

China's Soaring Commercial and Financial Power: How it is affecting the US and the World

By Charles W. McMillion
MBG Information Services
Washington, DC



**Prepared under contract for the
US-China Economic and Security Review Commission
Washington, DC**

June 2009



China' Soaring Commercial and Financial Power: How it is affecting the US and the World

Charles W. McMillion

Executive Summary

US trade and economic policies toward China are undermining US economic and military security. They urgently need fundamental reform.

China's successful, fundamentally protectionist policies have changed US-China trade patterns in dramatic and deeply troubling ways since China's 2001 admission to the WTO. The most productive sectors of US industry have been broadly undermined by record trade losses with China and others, and unprecedented US foreign borrowing and asset sales have undermined US financial independence, accumulating massive future obligations, particularly with China.

At the same time, fueled by record global surpluses of production and trade, particularly with the US, China's modern productive and financial capacities soared, becoming far more diversified and less dependent on the US or on any set of industries. Even as China's economy grew at record rates, four times faster than the US since 2001, China became the world's largest exporter of manufactured goods, with record surpluses in virtually all modern manufacturing sectors.

Indicating its surging value-added, the ratio of China's manufactured exports to imports soared from 1.15 to 1.66 even during this period of double-digit domestic demand growth. China's global trade surplus for manufactured goods rocketed to a world record \$539 billion in 2008 alone and total \$1.6 Trillion since 2001.

China also has begun reducing its tiny global payment deficits for intellectual property and professional services even as Chinese tourists and business travelers began roaming the world in search of key assets to buy in the current global downturn. The \$2 Trillion war chest of foreign currencies created by China's trade surpluses and other activities already generates six times as much for China's politically potent US investments -- currently mostly low-yielding US Treasury bonds -- as all earnings for US-incorporated companies and investors in China.

Despite unprecedented increases in US domestic and foreign debt, a record \$4.5 Trillion in global current account losses -- \$2.9 Trillion in manufacturing alone -- led to the worst record of stagnation for US production and jobs since the 1930s. \$1.5 Trillion in current account losses with China alone -- \$1.3 Trillion in manufacturing -- costs the US almost two million jobs, with over one million additional job losses just since 2001.

Every US manufacturing sector lost a substantial portion of its jobs as did virtually every sector that is exposed to imports from China or offshore outsourcing. US job losses were most severe for producers of motor vehicles and parts, which lost -43% of their jobs since 2001, communications equipment, 47% of jobs lost, and textile mills, which lost 63% of their jobs. Meager US job growth came only in industries with lower productivity and generally lower wages but that face little or no competition from imports or offshoring, particularly health care, education, bars and restaurants, and local government agencies.

The US lost its traditional, global surplus in Advanced Technology Products for the first time in 2002 with losses worsening since then. ATP deficits with China account for more than the total US losses and are also larger than the total global surplus in Intellectual Property royalties and fees of all US-incorporated firms.

China has a rapidly increasing dominance with the US for ATP trade in the largest, fastest-growing sectors of electrical and non-electrical equipment, including all information technologies. Traditional US strengths in aerospace production are now threatened and even semiconductor production -- one of China's key technology weaknesses -- is now quickly migrating to China.

Along with loss of its relative scale, the relative diversity of US ATP production appears to be declining. The number of distinct ATP in which US-based producers enjoy a surplus with China declined from 287 in 2001 to 225 in 2008; the number of Chinese-produced ATP with surpluses increased from 312 in 2001 to 328 in 2008.

The broad, once incomparable and dynamic US supply chain of manufactured goods and services is clearly weakening and shifting quickly to China. It is this vital supply chain decline in the US, and the shift to China, rather than concerns about any single product or group of products -- for which substitutes may or may not be readily available -- that is the most urgent challenge to US economic and military security.

China is now, by far, the largest exporter of manufactured goods to the US. However, in 2008 the EU-27 became China's largest manufacturing export market; developing countries with key natural resources are China's fastest growing export markets.

The EU's manufacturing trade deficits with China soared since 2001 and now rival the US deficits with China. Japan also has continued to face small manufacturing trade deficits with China. Nonetheless, despite deficits with China, both the EU and Japan have maintained substantial global surplus in manufacturing trade; among the major powers, only the US has a manufacturing trade deficit.

Although these also are changing rapidly, China maintains large, politically significant trade and investment deficits with Taiwan and other Asian neighbors.

Despite assurances from the US Farm Bureau and others that WTO membership would lead to booming US grain sales to China, except for soybeans, US grain sales to China have virtually vanished while China regularly has a global trade surplus in grain and in most food products where it suppresses third-country US agricultural exports and prices.

China is now deploying its vast new wealth to protect its economy from the current, severe global downturn. It is also carefully and patiently considering ways to take advantage of distressed prices for global oil and gas reserves, critical iron and copper ore, key patents, talent, brands, distribution networks and other vital assets. Unlike in 2001, China now has the assistance of its own, state-owned (although publicly traded) network of global companies including the world's largest banks and insurance operations.

US economic and trade policies toward China need urgent and fundamental reform.

Charles W. McMillion is President and Chief Economist of MBG Information Services. He is a former Associate Director of the Johns Hopkins University Policy Institute and a former Contributing Editor of the Harvard Business Review. 202.544.6490 or cwm@mbginfosvcs.com

Table of Contents

Page

1-2 Executive Summary

3-4 Table of Contents

5-8 Introduction

Part I:

9-11 Rapid Global Changes in China's Trading Patterns

12 Components of the Current Accounts

12-15 Manufacturing

16 Mineral Fuels, Mineral Ores and the Traded Goods Totals

16-17 International Services, Investments and Transfers

Part II:

18-22 China's Rapid Industrial Diversification of Traded Goods

23-24 China's Rapid Modernization of Traded Goods

24-29 Optical Equipment, Aircraft, Semiconductors, Motor Vehicles and Food

30-31 Soaring Scope and Scale of China's US Trade in Advanced Technology Products

32-36 China's Rapid Modernization of Services and Strategic Global Investments

37 Conclusions

Appendix 1

Appendix 1 Page

1 Major Elements of China's Global Current Account Balances: 1999 to 2008
Major Elements of US Current Account Balances With China: 1999 to 2008

2 China's Global Current Account Balances: 1990 to 2008

3 Details of US Current Accounts With China: 2001 and 2008

4 US Jobs Lost in Each State from Imbalanced Trade With China: 2001 and 2008

5 US Industrial Production: 1929 to 2009

6 US Manufacturing Production: 1929 to 2009

7 Total Hours Worked By All US Nonfarm Workers: 1956 to 2008

8 US Total Job Growth: 1947 to 2009

9 US Private Sector Job Growth: 1947 to 2009

10 US Manufacturing Sector Jobs: 1947 to 2009

11 US Private Sector Services Sector Jobs: 1947 to 2009

12-15 Industry table of US Job Gains and Losses: 2001 to 2009

16 US Household and Federal Debt Outstanding: 1945 to 2008

17 US Household and Federal Debt as Percent of GDP: 1945 to 2008

18 China's War Chest of Foreign Currency Reserves: 1993 to 2008

19 China's Global Balances in Traded Goods and Manufacturing: 1996 to 2008

20 US, EU & Japan's Manufacturing Trade Balances, China and the World: 1999-'08

Appendix 1 continued

Appendix 1 Page

- 21 US Global Trade Balances in Advanced Technology Goods: 1990 to 2008
- 22 US ATP Exports and Imports With China as Share of Global Totals: 1992 to 2008
- 23 US ATP Trade Deficits with China, Japan, Korea and Taiwan: 2001 to 2008
- 24-25 China's Soaring Ratios of Exports-to-Imports in Global Trade: 2001 and 2008
- 26-28 China's Industry-by-Industry Global Balances in Goods Trade: 2001 to 2008
- 29-31 China's Industry-by-Industry Global Exports in Goods Trade: 2001 to 2008
- 32-34 China's Industry-by-Industry Global Imports in Goods Trade: 2001 to 2008
- 35-37 US Industry-by-Industry Balances in Goods Trade With China: 2001 to 2008
- 38-40 US Industry-by-Industry Exports in Goods Trade With China: 2001 to 2008
- 41-43 US Industry-by-Industry Imports in Goods Trade With China: 2001 to 2008
- 44-46 US Industry-by-Industry Global Balances in Goods Trade: 2001 to 2008
- 47-49 US Industry-by-Industry Global Exports in Goods Trade: 2001 to 2008
- 50-52 US Industry-by-Industry Global Imports in Goods Trade: 2001 to 2008

Appendix 2

Appendix 2 Page

- 1 US Total Exports and Imports of ATP With China: 1996 to 2008
- 2 US Exports and Imports of Inorganic Chemicals ATP With China: 2001 to 2008
- 3 US Exports and Imports of Organic Chemicals ATP With China: 2001 to 2008
- 4 US Exports and Imports of Pharmaceuticals ATP With China: 2001 to 2008
- 5 US Exports and Imports of Doped Chemicals ATP With China: 2001 to 2008
- 6 US Exports and Imports of Non-Electric Machinery ATP With China: 2001 to 2008
- 7 US Exports and Imports of Electric Machinery ATP With China: 2001 to 2008
- 8 US Exports and Imports of Aerospace ATP With China: 2001 to 2008
- 9 US Exports and Imports of Medical Equipment ATP With China: 2001 to 2008
- 10 US Exports and Imports of Armament ATP With China: 2001 to 2008
- 11-19 US 10-Digit Product Balances in All ATP Trade With China: 2002 to 2008
- 20-28 US 10-Digit Product Exports in All ATP Trade With China: 2002 to 2008
- 29-37 US 10-Digit Product Imports in All ATP Trade With China: 2002 to 2008

China' Soaring Commercial and Financial Power: How it is affecting the US and the World

Charles W. McMillion

Introduction:

Economic and trade conditions have changed dramatically since China was admitted to the World Trade Organization at the end of 2001. Then, many prominent authorities including the US Department of Defense' Office of Net Assessment and the Rand Corporation warned of China's imminent collapse. Similarly, prominent forecasts, including the then-Chairman of the Federal Reserve, Alan Greenspan, assured that the US was on the verge of paying off its federal government debt too quickly so that major tax cuts were urgently needed.¹

Now, with vast wealth including the world's largest bank, largest insurance firm, largest telecommunications firm, second largest oil company -- by market capitalization although all are state owned -- and the largest reserves of foreign currencies, China is often held out as the best hope to avoid an even more severe global downturn. Its leaders have begun lecturing the US on economic management. At the close of its March 2009 annual National People's Congress, Premier Wen Jiabao referred to China's holdings of more than \$1 Trillion in US Treasury bonds:

“We have lent a huge amount of money to the United States. Of course we are concerned about the safety of our assets. To be honest, I am a little bit worried. I request the US to maintain its good credit, to honour its promises and to guarantee the safety of China's assets.”²

This unusually blunt language comes days after five armed Chinese ships confronted and halted an unarmed US Navy ship in international waters in the South China sea in an eerie reprise of China's downing of a Navy EP-3 surveillance airplane in April 2001. It also comes at a time when China has greatly elevated its rhetoric about US economic “protectionism.” This refers to US criticism of China's managed and vastly undervalued currency and passage of a modest “Buy America” provision as part of a US taxpayer-financed stimulus plan.³

The US entered recession in December 2007 and China's GDP growth decelerated sharply from 13.0% in 2007 to 6.8% at the end of 2008.⁴ Certainly the global economic crisis

¹ See, for example, Charles Wolf, Jr.; K. C. Yeh; Benjamin Zycher; Nicholas Eberstadt; Sung-Ho Lee, Fault Lines in China's Economic Terrain, particularly Chapter 7, (Santa Monica, CA; Rand Corporation, 2003.) Also, Andrew W. Marshall, China Da Luan (Catastrophe) Scenarios, (Washington, DC: Office of the Secretary of Defense, 2007.) Alan Greenspan, Testimony of Chairman Alan Greenspan: Outlook for the federal budget and implications for fiscal policy, (Washington, DC: Committee on the Budget, US Senate, January 25, 2001.)

² “China's global elite,” *The Financial Times*, March 16, 2009. Geoff Dyer and Alan Beattie, “Wen calls for US fiscal guarantees,” *The Financial Times*, March 14, 2009.

³ One of many: *Xinhua*, “China 'deeply concerned' over trade protectionism,” February 16, 2009.

⁴ The nation's new intelligence chief, Dennis Blair, warns that the global economic crisis is the

creates both short and long term opportunities as well as dangers. But dangers and opportunities are starkly different for countries that previously relied on massive and accelerating debts and asset appreciation to provide growth when compared with those countries that produced in excess and saved. China, of course, is the world's leading excess producer and saver while the US is the world's leading under-producer and, when both public and household debts are considered, the world's largest debtor.

Along with the many benefits, China's massive excess manufacturing capacity does also create severe vulnerabilities at a time when the global economy may contract in 2009 for the first time since World War II and global trade may decline by the most since 1929.⁵ The immediate challenge is to maintain and accelerate already fast-growing domestic demand and to shift excess production to domestic purposes, including for import substitution. Indeed, the localizing of modern supply chains, reducing dependence on imports, has been a key, very successful objective of China's policies at least since its 8th Five-year Plan began in 1990.⁶

China's rapidly accelerating ratios of manufactured exports to imports even as GDP growth averaged over 10% per year since 2001 indicates this shift is already very successfully underway. Now, with growth slowing sharply, in the 12 months ending in January 2009 China's global manufactured exports rose 13.2%, barely half the 25.9% rise the year before; imports were up just 2.7% compared with 17.6% one year earlier. Still -- at least through January 2009 -- this allowed China's ratio of exports to imports to continue to increase and its world record manufactured trade surplus to continue to soar, providing a cushion in the slowdown.

Importantly, the global economic crisis also is sharply lowering China's massive import bill for mineral fuels, iron and copper ore, and for other commodities. China's global trade deficits for mineral fuels, iron and copper ore totaled \$12.4 billion in the 12 months ending in January 2002, \$133.4 billion in the 12 months ending in January 2008 and peaked at a deficit of \$213.7 billion in the 12 months ending in October 2008. Since peaking, China's trade deficit for these commodities has fallen at an accelerating rate, aiding China's overall trade and current account balances and sharply reducing inflationary pressures that were a concern one year ago.

Finally, China's immense accumulation of wealth from trade surpluses since 2001, massive foreign investment in China, and its rapid financial modernization provide unparalleled opportunities both at home and abroad. This is particularly true now, when many of the world's leading companies desperately need substantial outside capital to survive and most countries are struggling to finance assistance to their industries and workers. There is significant concern both that China may aggressively buy-up key worldwide resources and assets at fire sale prices...and that it may not.⁷

For the US, unprecedented current account deficits and foreign borrowing since 2001 hollowed out its once unrivaled productive capacity even as it obligated future, constrained

most serious security peril facing the United States. See Greg Miller, "Global economic crisis called biggest U.S. security threat," *The Los Angeles Times*, February 13, 2009.

⁵ "Crisis Reveals Growing Finance Gaps for Developing Countries," *The World Bank*, March 8, 2009. China is assisting its producers to expand linkages with retailers in China to reroute exports to local sales for both import substitution and demand growth. "Exporters find new market at home." *China Daily*, March 13, 2009.

⁶ A detailed discussion of this earlier period is provided in Charles W. McMillion, *China's Very Rapid Economic, Industrial and Technological Emergence*, US-China Security Review Commission, June 2002.

⁷ Rick Carew, "Will Beijing Buy the World?," *The Wall Street Journal*, March 11, 2009

production to pay interest on foreign debts. Now, urgent cost-cutting pressures in the economic crisis provide further incentives for US consumers, businesses and government agencies to displace domestic production with cheaper imports or offshore outsourcing even as debt soars.

The massive US auto industry, for example, (including transplants) suffered over \$1 Trillion in global trade deficits -- underproduction -- over the past eight years. Even now, as General Motors receives substantial US taxpayer subsidies to avoid collapse, it is expanding production, research and development in China as it reduces US production and exports. China surpassed the US as the world's largest auto market in January 2009 and also may surpass Japan in 2009 as the world's largest auto producer.⁸ Present trends suggest that by 2010 the US will trail far behind China in both auto production and sales with the gap growing rapidly thereafter.

As a result of this hollowing-out of production, total US industrial output in February 2009 plunged to levels -3.0% lower than in February 2000 for the first nine-year decline since the period from November 1929 to November 1938. There were fewer private sector jobs in the US in February 2009 than there were in February 2001 for the first eight year decline in private sector jobs since 1927-1935. Even including households that have prospered enormously in recent years, total inflation-adjusted net worth per capita in the US declined by an unprecedented -6.2% from 2000-Q4 to 2008-Q4. US Federal debt subject to statutory limitations is planned to soar by \$2.72 Trillion just this year -- roughly three times the total federal debt accumulated in its entire history (including the Civil War, depressions, and two world wars) before 1980.⁹

Yet, even in the current severe crisis of production, jobs, income and tax revenue, US public policy is limited in its response by warnings against "protectionism" from global importers and even from China. It is, perhaps, understandable that large, self-interested global firms -- wherever they are incorporated -- champion unregulated commerce and finance.¹⁰ But China's recent, elevated rhetoric aimed at the US is especially hypocritical.

Indeed, vigorous "protectionism" is the very core of China's public policies and of its remarkable recent success. It is the reason China devalued its currency by 50% in January 1994, why it has so carefully managed its currency ever since and how it has amassed \$2 Trillion in foreign currency reserves since the Asian financial crisis of 1998. Protectionism is why China maintains strict government ownership of its banking and financial firms, even as they have gained access to world equity and bond markets.

Protectionism is why China has foregone most of the global, third-generation revolution in telecommunications, refusing to issue licenses for global standards in the world's largest telecommunications market -- even to its own, state-owned service-providers -- while working to perfect its own, government-owned TD-SCDMA wireless standard. It is why China refuses to allow any of the world's non-Chinese auto producers to produce in China unless they accept a Chinese firm as controlling partner, agree to transfer technology, perform R&D in China and

⁸ Norihiko Shirouzu and Patricia Jiayi Ho "GM Opens China Plant," *The Wall Street Journal*, December 17, 2008. Norihiko Shirouzu, "China Tops U.S. in Auto Sales for First Time," *The Wall Street Journal*, March 5, 2009.

⁹ See appendix and [A New Era of Responsibility: Renewing America's Promise](#), (Washington, DC: Office of Management and Budget, February 2009.) Summary Tables page 133.

¹⁰ For two decades now large global firms like General Electric, General Motors, American International Group and Citigroup -- and their associations -- have very actively financed and promoted "research" attempting to ridicule regulation and to glorify various forms of arbitrage for global production and debt. A recent example is, Francesco Guerrera and Tom Braithwaite, "US group backs role of global companies" *The Financial Times*, March 15, 2009.

localize parts and service providers. Protectionism is why China refuses to depend on Boeing, Airbus and others to provide it with thousands of new aircraft over the next twenty years but rather, has launched an expensive effort to localize parts production, design and build its own large and mid-sized Chinese state-owned commercial airplanes.¹¹ The same protectionist process led to China's recent contracting of \$5.7 billion -- that "does not include any foreign parties" -- with state-owned CNR Corporation to initiate production of 100 high-speed trains.¹²

And this is only part of the larger context to view China's more recent large, relatively effective actions to protect its economy in the current global crisis. Like virtually every country other than the US, China's producers pay a value-added tax which the WTO allows to be rebated on exports and imposed in exactly the same way as a tariff on imports. Export rebates in China were increased to 17% in January 2009 for industrial robots, inertial navigation systems for aviation and 551 other types of high tech and high value-added electrical and non-electrical machinery and parts and to 14% on exported motorcycles and various appliances.¹³

Together with tax cuts for exports, China considered but delayed or canceled increased taxes on imports in preference for policies to lower costs for domestic producers. For producers of aluminum or other nonferrous metals, for example, China developed a program of direct subsidies and plans large purchases for state reserves to improve scale economies. Producers also will be allowed to buy energy directly from state-owned generators at discounted prices and state-owned banks are providing large-scale funding for attempts of foreign asset acquisitions -- \$19.5 billion for state-owned Aluminum Corporation of China -- Chinalco. Although China's banks insist that their rapidly increased lending is determined by market rather than political factors, they nonetheless acknowledge that their lending "...will concentrate on supporting Chinese' companies expansion."¹⁴

China's broad 2009 spending plans for economic stimulus, \$586 billion announced thus far, and its separate stimulus plans for 10 industries, have carefully avoided mention of explicit domestic preferences.¹⁵ But programs to subsidize the purchase of home appliances, cars and motorcycles appear targeted at domestic producers and brands. And although there is rapid proliferation of Chinese construction crews engaged in large scale projects around the world, it is very unlikely that a foreign construction crew could win a contract for a substantial infrastructure project in China.

¹¹ The state-owned Bank of China and nine other state-owned Chinese banks extended a total \$26 billion line of credit to China's massive, recently restructured, state-owned Aviation Industry Corporation on February 5, 2009 along with a pledge to develop a "long term strategic partnership" to assist AVIC "expand overseas." *Xinhua*, "Bank of China extends 60 bln yuan credit line for state aircraft firm," February 7, 2009.

¹² *Xinhua*, "China to purchase 350km/h high-speed trains for 39.2b yuan," March 16, 2009.

¹³ *Xinhua*, "China to raise export tax rebates for machinery products," December 30, 2008.

¹⁴ Fu Chenghao and Wang Weini, "Support plan focuses on metals, logistics," *Shanghai Daily* February 26, 2009. "Aluminum firms to get direct power supply," *China Economic Net*, March 7, 2009. Hu Yuanyuan, "Bank of China to help Chinalco invest in Rio Tint," *China Daily*, March 6, 2009. *China Daily*, "BOC: Lending is determined by market," March 17, 2009

¹⁵ The 10 industries with industrial stimulus plans thus far included: auto, steel, shipbuilding, textile, machinery-manufacturing, electronics and information industries, the light industry and petrochemical sectors, nonferrous metals and logistics.

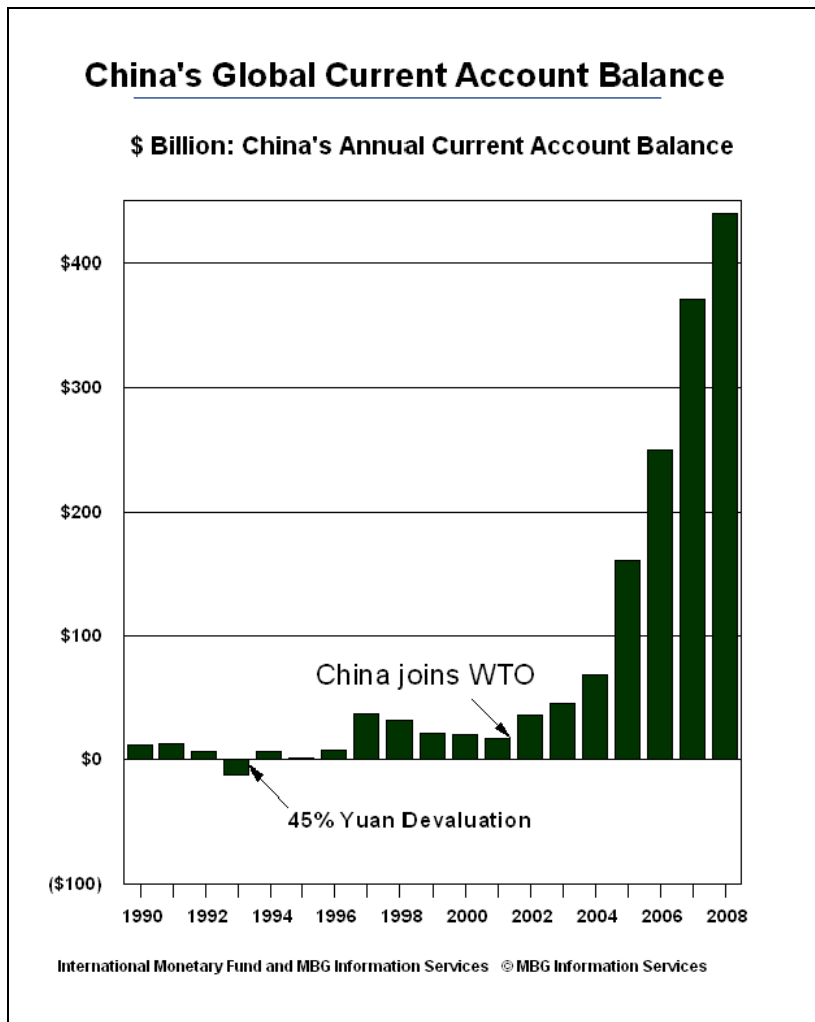
Part 1: Rapid global changes in China's trading patterns:

China's admission to the World Trade Organization on December 11, 2001 marked a dramatic turning point in China's economic and trade modernization and performance. During the seven years before WTO membership, China achieved real average GDP growth of 8.9% -- a pace many claimed to be unsustainable and, indeed, many claimed was grossly overstated by Chinese authorities.¹

However, in the seven years since joining the WTO, China's GDP soared by an average 10.5% per year in terms of its own currency, the Yuan, and by nearly 12% per year calculated in depreciating United States Dollars.² That is, from 2002 to 2008 China grew three times the rate of the global economy and four times the 2.4% average annual rate of US growth.

Countries growing faster than the world economy generally are expected to face current account deficits as imports grow faster than exports. Yet during the past seven years of soaring GDP growth, China not only retained its current account surplus but that annual surplus rocketed from \$17 billion in 2001 to \$440 billion in 2008, even as world markets sank. Averaging 63% growth each year, China's current account surplus soared from 1.3% of GDP in 2001 to 11% in 2007 -- even as GDP growth rocketed by 13% -- and eased only slightly to 10.4% in 2008 despite the price surge for imported oil and iron ore, and the global slowdown.³

Along with adding massively to China's productive capacity and modernization, these past seven years



¹ The Rand Corporation and others expected China's economic growth to slow to 5% with major risks of an even more abrupt slowdown. MIT's Lester Thurow claimed that China's GDP growth was only half the reported rate. See Anil Bamezai, Charles Wolf Jr., K. C. Yeh, Benjamin Zycher, Asian Economic Trends and Their Security Implications, (Santa Monica, Rand; 2000) pp. 34-42. Lester Thurow, "A Chinese Century? Maybe It's the Next One," The New York Times, August 19, 2007.

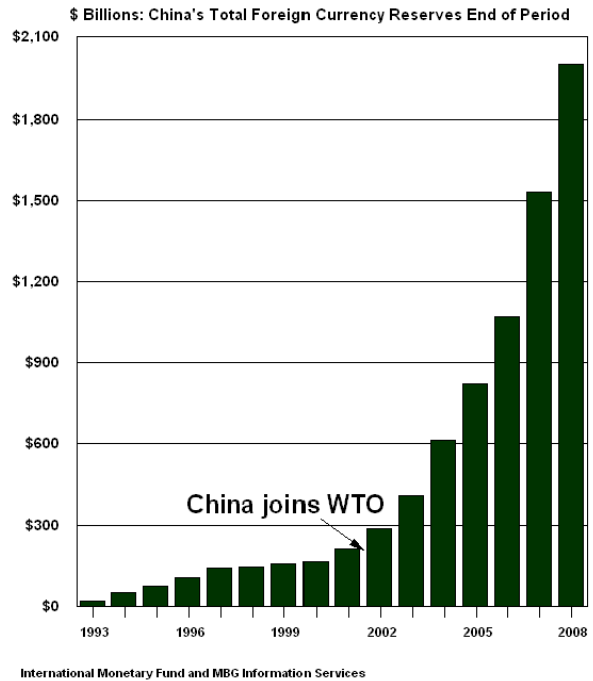
² China devalued the Yuan by 45% on January 1, 1994 and kept it pegged closely to the US Dollar until July 22, 2005 when the Yuan was allowed to slowly appreciate against the Dollar, rising 17.4% by August 22, 2008 at which point the tight peg was reimposed. Importantly, because the weak Dollar fell much more against other currencies (by 67% against the Euro from January 2001 to August 2008,) this had the effect of sharply devaluing the Yuan, too, against the Euro and those other currencies, sharply aiding China's exports outside the US.

³ Reflecting a flood of prominently-sourced misinformation in the major media, a Nobel economist prominently insisted in 2007 that China's global current account surplus remained less than 5% of GDP. Michael Spence, "We are all in it together," The Wall Street Journal, January 5, 2007.

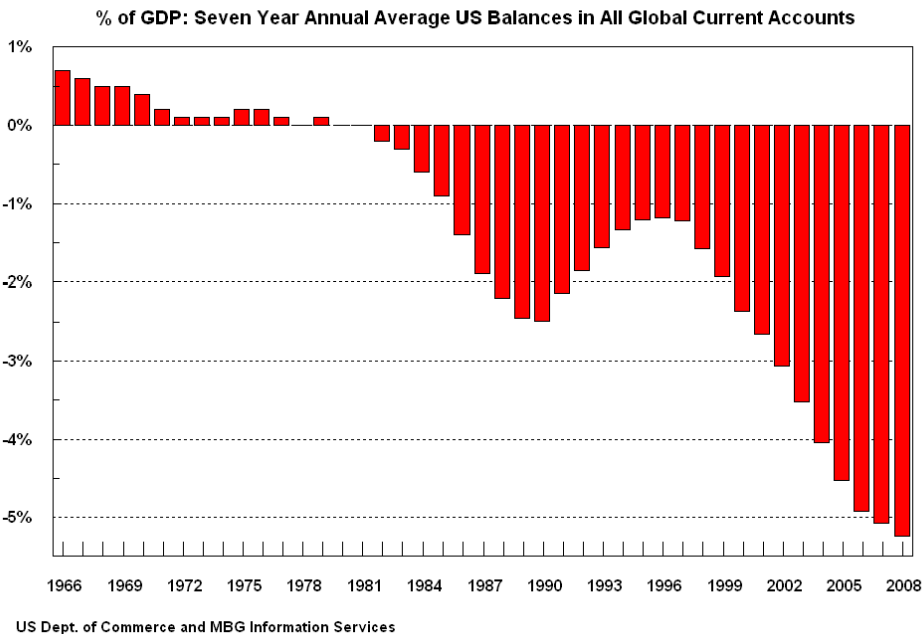
of surpluses earned China \$1.39 Trillion in foreign currency reserves that were supplemented by world-leading foreign direct and portfolio investment.⁴ This allowed China's official war chest of foreign currency to soar from \$215.6 billion in 2001, to near \$2 Trillion at the end of 2008 with policy changes also swelling private holdings of foreign currencies.⁵ During April 2008, China's foreign currency reserves grew by over \$100 million each hour. These are the funds now available for global acquisitions.

During this period, although the US' economy grew at barely half the rate of the global economy, the US accumulated record current account deficits -- debt and wealth transfers -- with China and the world. From 2002 through 2008, the US suffered global current account deficits of \$4.53 Trillion with annual losses averaging 5.2% of GDP. Before the year 2000, the worst US current account deficit on record was 3.4% of GDP in 1987 and the worst 7-year period of deficits averaged 2.5% from 1984 to 1990.

China's War Chest of Foreign Currency Reserves



US Current Account Balances: Worst Ever Since 2001



Annual US current account losses to China more than tripled after China joined the WTO, worsening every year from \$88.7 billion in 2001 to \$306.4 billion in 2008 and totaling \$1.49 Trillion for the seven-year period. Those claiming that US trade losses to China merely offset US losses from other countries have no factual basis for their claims whatsoever.

These dramatic changes shape the scope and nature of the US and global economic crisis that began in 2008.

⁴ For a discussion of China's sudden, immense wealth and initial strategies for its best use, see my earlier report, Charles W. McMillion, China's Soaring Financial, Industrial and Technological Power, (Washington, DC: US-China Economic and Security Review Commission, July 2007.)

⁵ *Shanghai Daily*, "Rule change boosts forex buys," August 17, 2007.

China's Global Current Account Balances

Nearing \$1.4 Trillion in Surpluses since 2002

\$Millions	Goods	Services	Investments	Transfers	Current Account
1999	\$35,982	-\$5,341	-\$14,470	\$4,944	\$21,115
2000	34,474	-5,600	-14,666	6,311	20,519
2001	34,017	-5,933	-19,175	8,492	17,401
2002	44,167	-6,784	-14,946	12,984	35,422
2003	44,652	-8,573	-7,838	17,634	45,875
2004	58,982	-9,699	-3,523	22,898	68,659
2005	134,189	-9,391	10,635	25,386	160,818
2006	217,746	-8,834	15,156	29,199	253,267
2007	315,381	-7,905	25,689	38,668	371,833
2008e	356,000	-7,000	36,000	55,000	440,000
Seven Year Post-WTO Membership Totals: 2002 to 2008e					
2002-8	\$1,171,117	-\$58,185	\$61,173	\$201,770	\$1,375,875

International Monetary Fund and MBG Information Services

U.S. Current Account Balances With China

\$ Millions Each Year: Near -\$1.5 Trillion in Deficits since 2002

\$Millions	Goods	Services	Investments	Transfers	Current Account
1999	-\$68,793	\$1,334	-\$4,120	-\$1,164	-\$72,743
2000	-83,971	1,946	-4,718	-1,300	-88,043
2001	-83,295	2,005	-5,993	-1,374	-88,657
2002	-103,276	1,888	-6,984	-1,523	-109,894
2003	-124,384	2,038	-8,067	-1,399	-131,812
2004	-162,335	1,783	-10,253	-1,769	-172,574
2005	-202,087	2,437	-17,106	-1,851	-218,607
2006	-233,087	3,639	-26,695	-2,065	-258,207
2007	-256,612	5,414	-36,083	-2,422	-289,703
2008	-266,681	6,172	-43,152	-2,707	-306,368
Seven Year Post-WTO Membership Totals: 2002 to 2008					
2002-8	-\$1,348,462	\$23,371	-\$148,340	-\$13,736	-\$1,487,165

US Department of Commerce and MBG Information Services

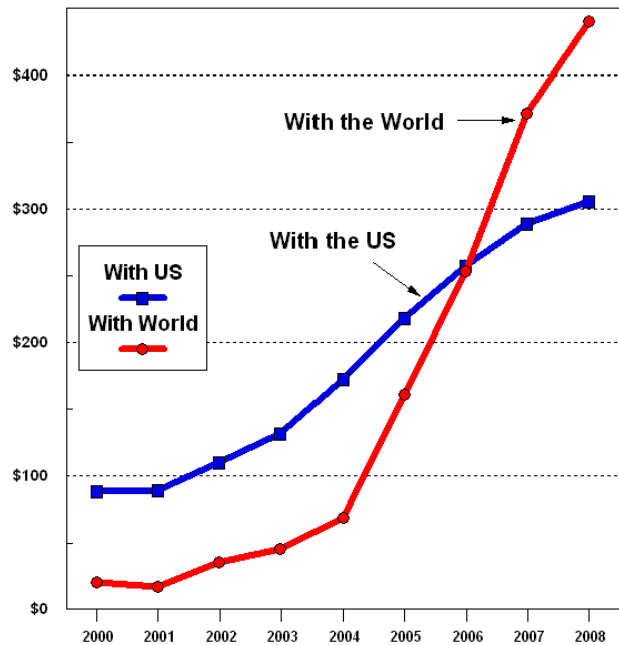
Components of the Current Accounts

China's external commercial surplus not only rocketed ahead over the past seven years, it also intensified and spread to other countries and regions, especially to the European Union. While China maintained a global current account surplus every year since it devalued the Yuan by 45% against the Dollar on January 1, 2004, that surplus was solely dependent on the US until 2007. That is, in 2001, excluding the US, China had a current account deficit of \$71.3 billion, a substantial 5.4% of its GDP. By 2008, China's non-US current accounts were in surplus by about \$135 billion, 3.2% of GDP.

An important part of China's surging trade surpluses with the EU-27 is due to currency developments. From 2002 until recent months, the Euro appreciated sharply against the Dollar, and most other currencies including the Dollar-linked Chinese Yuan. The result is Euro-denominated

China's Current Account Surplus

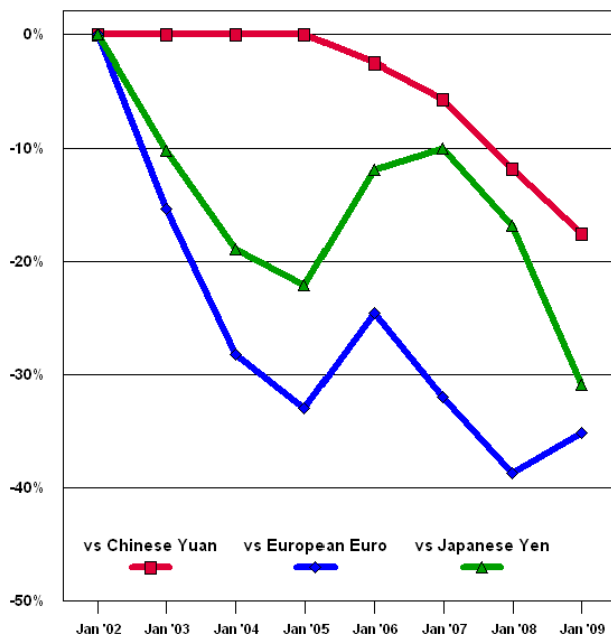
\$ Billion: China's Annual Current Account Balances



International Monetary Fund, US Dept. of Commerce and MBG Information Services

The Global Value of the \$US

% Decline in Exchange Value of \$US Since Jan 2, 2002



US Federal Reserve Board and MBG Information Services

exports became far more expensive in China while Chinese imports into the Euro zone became much cheaper. Be aware, too, that data and trends appear different when measured in different currencies.

Manufacturing

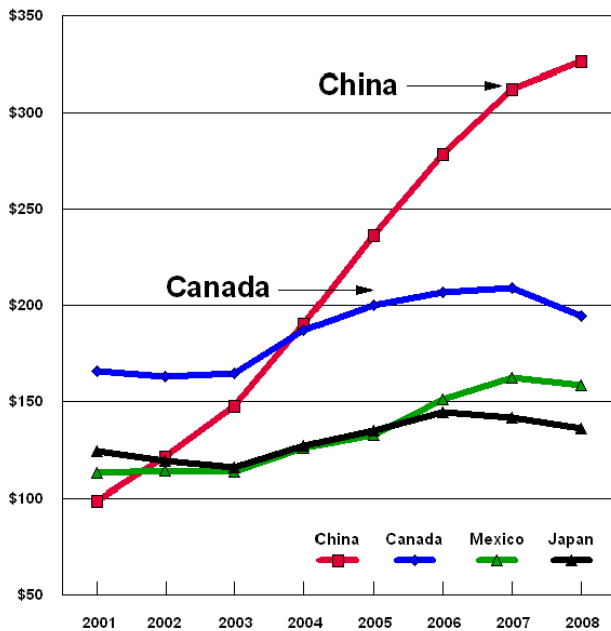
The overwhelming source of China's soaring commercial surpluses with the US, with the EU and with the world is manufactured goods trade.⁶ China's global manufacturing exports soared from \$240.4 billion in 2001 to \$1.352 Trillion in 2008, an average yearly gain of 28.1% and a near six-fold increase in seven years. (See Appendix for details.) China replaced Germany as the world's leading exporter of manufactured goods in 2007 and extended that lead in 2008 with 16.9% export growth.

In 2001, US manufactured imports from China totaled \$99.3 billion, 10.4% of the US total US and far less than manufactured imports from Canada (\$165.8 billion,) Japan (\$124.3 billion,) or

⁶ Throughout this report I define "Manufacturing" as those industries described in Chapters 28-96 of the International Harmonized Tariff Schedule. See United States International Trade Commission, <http://www.usitc.gov/tata/hts/bychapter/index.htm>

US Imports of Manufactured Goods

\$ Billions: Annual US Imports of Manufactured Goods



US Dept. of Commerce and MBG Information Services

Mexico (\$113.4 billion.) But US imports from China surpassed those from Japan and Mexico in 2002 and surpassed those from Canada in 2004. Last year, the \$326.6 billion of US manufactured imports from China were 68% more than from Canada and 22% of all US manufactured imports.

Nonetheless, the EU-27 displaced the US as China's largest manufactured goods export market in 2008, according to EU and US import data. China's own data, thought to be reliable in the totals, are suspect for individual countries and regions for several reasons including the treatment of large transshipments through ports in Hong Kong. China reports a 2008 manufacturing trade surplus with Hong Kong of \$171 billion, almost \$25,000 per capita. For this reason, when available for bilateral trade, I refer to the official data of the US, the EU and Japan.

Data sources vary but it is clear that in the past seven years China's manufacturing exports rocketed even more rapidly to less

developed than to advanced countries. China's own data show manufactured exports to Central and South America soaring since 2001 by a factor of 8.6, reaching \$65.5 billion in 2008.

China's data also show its manufactured exports to Africa and to the former Soviet republics rising by a factor of 9.2 and 19.1, reaching \$48.5 billion and \$64.5 billion, respectively, in 2008. This rapid, global diversification of China's export markets has a number of important consequences that are discussed below. Here, it is important to note only that China's relative dependence on the US export market has been sharply reduced since 2001 and that China is rapidly capturing third country markets from exporters in the US and elsewhere.

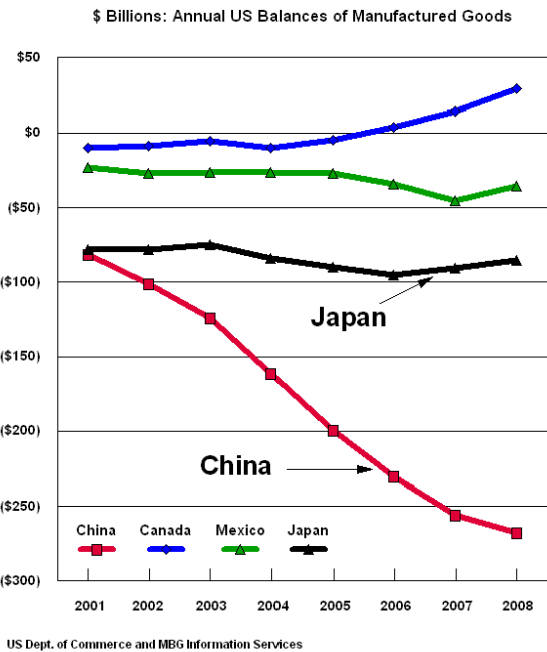
This remarkable 28.1% average annual growth in China's manufactured exports for the last seven years was accompanied by a strong 21.8% average annual growth of imports. The result is that China's global manufacturing surplus rocketed from \$30.9 billion before admission to the WTO to a remarkable \$539 billion in 2008 -- 12.7% of GDP and the largest of any country in history -- for a seven-year total surplus of \$1.56 Trillion.

Over this period, the annual US global deficit in manufactured goods trade soared from \$282.0 billion in 2001 to a world record deficit of \$484.4 billion in 2006 before easing to a deficit of \$389.8 billion in 2008 as the US slid from slow growth back into recession in December 2007. The seven year total of US deficits in global manufacturing trade reached a world record \$2.93 Trillion.

Importantly, while the US faced record global deficits in manufacturing trade that compounded its worsening deficits for mineral fuels and ores, the EU and Japan raced to record manufacturing surpluses that offset some or all of their deficits for fuels and ores. The EU's global trade surplus in manufactured goods increased 3.5-fold, from \$69.7 billion in 2001 to a record surplus of \$247.2 billion in 2008. Japan's global surplus doubled from \$164.4 billion in 2001 to a record \$337.5 billion in 2008.

Over the past seven years, the US borrowed from foreign interests and transferred \$2.9 Trillion of its demand for manufactured production offshore while the EU earned \$1.1 Trillion from producing more than its manufacturing demand required; Japan earned \$1.8 Trillion, China earned \$1.6 Trillion.

US Manufactured Goods Balances



The importance of this dramatic contrast in experiences and current conditions for manufacturing and indebtedness in the world's major economies can hardly be overstated.

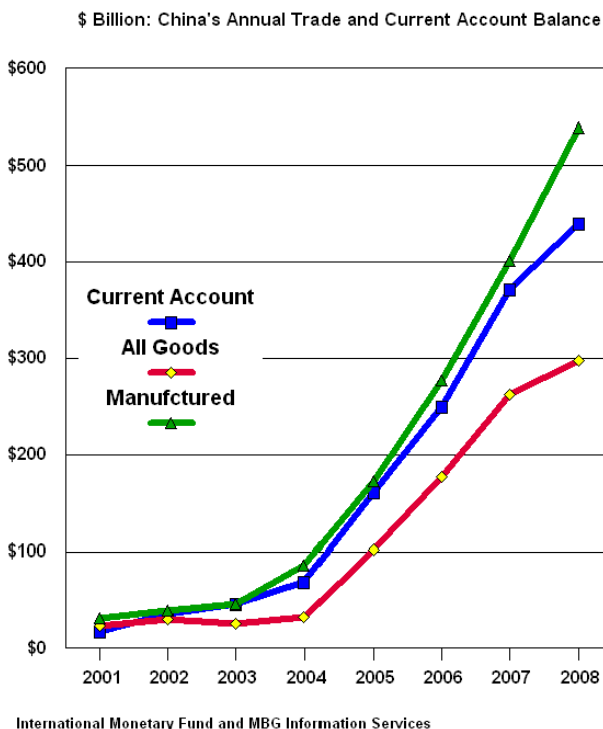
The annual US manufacturing trade deficit with China worsened every year for a 3-fold increase, from \$81.6 billion in 2001 to \$267.5 billion in 2008 and a total 7-year deficit of \$1.3 Trillion. Because China imports so little from the US, in 2001 it was already the largest single source of the US' global deficit in manufactured goods, just worse than Japan, accounting for 28.9% of the total \$282.0 billion deficit. But in 2008, the US manufacturing deficit with China was far larger than with any other country or region, accounting for 68.6% of the total \$389.8 billion US manufacturing deficit.

The EU's annual deficit in manufactured trade with China also worsened every year, almost 6-fold for the period, from \$43.3 billion in 2001 to \$240.7 billion in 2008, with total deficits of \$964 billion. Japan's manufacturing trade with China remained in deficit during the period but was relatively small, totaling \$109 billion. Combined, over the past seven years, the US, the EU and Japan have transferred \$2.4 Trillion to China in net payments for manufactured goods at least partially produced in China.

Similar to the increasingly diversified patterns in the full current accounts, until 2006 the US accounted for more than China's entire global surplus in manufacturing trade. In 2006 and 2007, the US and the EU together accounted for much more than China's entire global manufacturing surplus. However, for the first time in 2008, China's global manufacturing surplus was larger (\$539 billion vs. \$525 billion) than its surplus with the US, the EU and Japan combined.

China maintains a politically and economically very significant \$76 billion manufacturing deficit with Taiwan and significant deficits with most -- but not all -- of its other Asian neighbors. But China's manufacturing trade surpluses are surging with the former Soviet

China's Soaring Global Trade Surplus



republics, Central and South America, Africa and the Middle East. That is, China's record surplus in traded manufactured goods is now far more global and diversified than it was in 2001 and is far less dependent on the US.

Manufacturing Trade Balances With China

\$Millions	US	EU-27	Japan	Totals
2001	-\$81,583	-\$43,342	-\$18,957	-\$143,882
2002	-101,167	-50,444	-14,832	-166,442
2003	-124,146	-70,963	-10,925	-206,035
2004	-161,256	-96,528	-12,282	-270,066
2005	-199,548	-130,340	-20,969	-350,857
2006	-230,156	-160,649	-18,872	-409,677
2007	-255,593	-214,555	-14,642	-484,790
2008	-267,486	-240,697	-16,811	-524,994
----- Balance Totals: 2002 to 2008 -----				
	-\$1,339,351	-\$964,176	-\$109,334	-\$2,412,861

Global Trade Information Services and MBG Information Services

Global Balances in Manufacturing Trade

\$Millions	US	EU-27	Japan	China
2001	-\$282,027	\$69,746	\$164,394	\$30,858
2002	-336,630	103,487	184,039	38,886
2003	-369,258	110,115	209,270	46,598
2004	-434,470	139,997	254,379	86,185
2005	-469,141	161,973	257,579	172,773
2006	-484,360	152,707	274,896	277,250
2007	-450,839	168,249	310,510	401,376
2008	-389,825	247,215	337,514	538,960
----- Balance Totals: 2002 to 2008 -----				
	-\$2,934,523	\$1,083,743	\$1,828,187	\$1,562,028

Global Trade Information Services and MBG Information Services

Mineral Fuels, Mineral Ores, Foods and the Traded Goods Totals

China's very rapid GDP growth required sharp increases of imported mineral fuels, particularly crude oil, and various mineral ores, particularly iron ore. Skyrocketing prices for these commodities in recent years -- and precipitous price declines since August/September 2008 -- have had dramatic, potentially misleading effects on the value of trade.

China's net import bill for mineral fuels exploded from \$9.1 billion in 2001 to \$137.2 billion in 2008. Its net import bill for mineral ores surged from \$4.1 billion in 2001 to \$84.3 billion in 2008. That is, these two categories of vital commodities offset \$13.2 billion of China's manufacturing surplus in 2001 but they offset \$225.5 billion in surpluses in 2008. Soaring prices for some foods during 2008, together with a severe drought and earthquake, also sharply raised the price of China's food imports -- especially soybeans -- creating a very unusual deficit in foods trade of \$11.6 billion.

These key commodities -- mineral fuels, ores and foods -- account for virtually all of the gap between China's world record 2008 global manufacturing trade surplus of \$539 billion and its \$297.4 billion surplus in all traded goods. This also helps to explain China's very special recent economic interests in those that control these key commodities especially in (for fuels) Saudi Arabia, Angola, Iran, Russia, Oman, Sudan, Venezuela, Kazakhstan and (for ores) Australia, Brazil, India, Chile, South Africa and Peru.

The EU faced a 2008 record global net import bill of \$598.5 billion for these commodities but its large surplus in global manufactured trade reduced the over goods trade deficit to \$355.3 billion. Similarly, Japan's net import bill for these commodities in 2008 soared to a record \$340 billion but its large surplus in global manufactured trade allowed Japan to register a \$20.4 billion surplus in overall goods trade. Repeating a worsening, now 26-year old pattern that is unique among major economies, the \$415 billion 2008 US deficit in these commodities was compounded by a similar deficit in manufacturing trade leaving the US with a deficit of \$800 billion for all goods trade.

I should also note that extreme volatility of prices for these commodities during 2008 drove wide swings in trade balances. With commodity prices soaring, China's overall global balance in goods trade was down 22% yr/yr to June 2008 but after prices plunged, China's trade balance soared again to new records in November 2008 was up 72% yr/yr in December. There were similar, if less dramatic, swings in trade balances among all the major economies during 2008. This is not to diminish the very serious economic and trade challenges now facing China and the world but to note the important effects of sharp changes in prices and the importance of detailed data.

International Services, Investments and Transfers

Since being admitted to the WTO, China's policy makers rapidly used its soaring strength in manufacturing, and the remarkable new wealth this provides, to strengthen its services sectors and to take advantage of other global financial and commercial opportunities. Whereas China's global current account balance was always far less than its balance in goods trade, this began to change immediately. Since 2003, China's global current account surplus has been larger than its surplus for goods alone.

Chinese working abroad have long sent money back home to support their families providing China with a net surplus in the global "transfer" of funds. But until recent years these transfers were only a small fraction of China's far larger net payments to global lenders and investors in China and for globally traded services ranging from tourism, education and banking to industrial engineering, patent royalties and franchise fees.

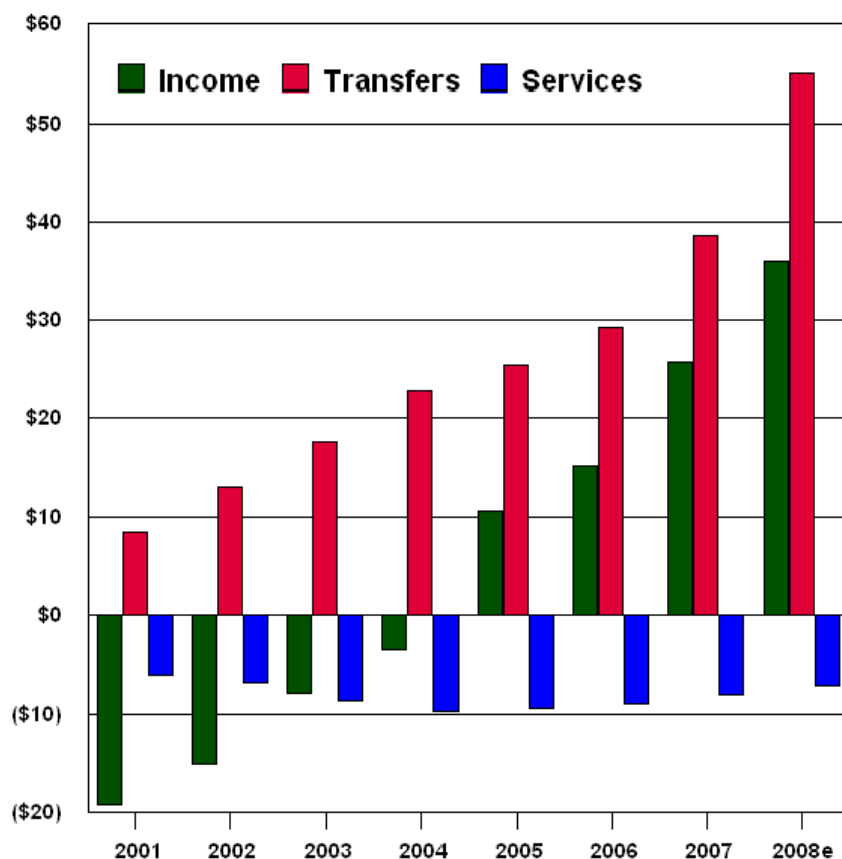
Because of China's soaring wealth and foreign investing, its 2001 net payment of \$19.2 billion to global investors and lenders became net earnings of \$25.7 billion in 2007 and rose to an estimated \$36 billion in 2008.⁷ That is, in 2008 China earned about \$36 billion more in interest, dividends and

⁷ China reported its 2008 total current account surplus as \$440 billion but to this date has not reported

profits on its foreign lending and investments than all foreign corporations and others earned in profits, dividends and interest on their investments and lending in China. Bilateral current account data are only available for the US and China but it should be noted that China's net receipts on investments come entirely from US net payments to China of \$36.1 billion in 2007 and \$43.2 billion in 2008.

China's Global Services and Investments

\$ Billion: China's Annual Global Balance



International Monetary Fund and MBG Information Services

China's global deficit in services trade rose from \$5.9 billion in 2001 to \$9.7 billion in 2004 but declined slightly in 2005, 2006 and in 2007 to \$7.9 billion. My very rough estimate is that this deficit continued to fall in 2008 to about \$7 billion.

Global transfers remain the largest component of China's non-goods global accounts surplus soaring from \$8.5 billion in 2001 to \$38.7 billion in 2007 and an estimated \$55,000 in 2008.

Few details are available for these transfers but they appear to reflect the vastly increased activities of Chinese construction and other contract work crews operating abroad.

Far more attention should be given to this increasingly substantial component of global transactions.

the components which I have estimated based on other available information. Note, also that current account data are always presented on a balance of payments basis that differ from the detailed customs data used for goods trade. See *Xinhua*, "China BOP surplus growth slows in '08," February 18, 2009.

Part 2: China's Rapid Industrial Diversification of Traded Goods

Unprecedented US trade deficits and soaring domestic and foreign debt were urgent concerns even before the current, unprecedented economic crisis. The broad failure of US production over the past eight years to keep pace even with relatively sluggish demand growth led to a doubling of federal and household debt. Last September, this unsustainably soaring, combined debt reached \$25 Trillion, 171% of GDP, far larger even than the 130% at the end of World War II.

Even with this massive new borrowing, private sector jobs in January 2009 were virtually unchanged from eight years earlier and industrial production actually declined; both are the worst record since the early 1930s. Every manufacturing industry suffered severe, often unprecedented, job losses over the past eight years: communications equipment producers lost 47% of their jobs, auto and parts producers lost 43% of their jobs and textile mill manufacturers lost 63% of their jobs. The very few industries creating jobs in recent years are only those such as local governments and private health care that are less productive and lower wage than those losing jobs, contributing less to tax revenues and consumer sales, are virtually unable to export but are protected from import competition.⁸

China accounts for 68.4% of the US trade deficit in manufactured goods but also for 44% of the full current account deficit and ongoing foreign borrowing requirements. US production lost to the trade deficit with China now costs the US almost two million higher-wage jobs with over one million of those job losses occurring since China's 2001 admission to the WTO.

The details are far more troubling for the US even than the broad outlines. In 2001, including all foreign transplants, the US produced more than its own domestic market purchased -- had global trade surpluses -- in only 32 of the 97 goods-producing industries that comprise the entire Harmonized Tariff Series (HS.) This was virtually unchanged in 2008, with 33 industries in surplus aided by a boost in agricultural and commodity prices while 64 industries produced less than needed in the US market. Of the 68 industries classified as manufacturers, only 22 produced surpluses while 46 suffered global deficits in both 2001 and 2008.

Reflecting its rapid modernization, in 2001 China's producers -- including transnational firms -- in 58 of 97 industries produced more than China's fast-growing market purchased and enjoyed global trade surpluses. By 2008, 65 of China's industries produced more than was needed for domestic purposes and so had global trade surpluses while 32 industries faced deficits. In China's manufacturing sector, 39 industries had surpluses in 2001 and 50 had surpluses in 2008 as only 18 faced net imports, most for basic commodities such as cork, woodpulp, rubber, crude plastic, etc.

In total bilateral goods trade between the US and China, US producers enjoyed surpluses with China in only 27 industries in 2001 -- suffering deficits in 70 -- but it was far worse in 2008 with US surpluses in only 20 industries and deficits in 77. It is worse among manufacturers where US producers enjoyed surpluses with China in only 16 industries in 2001 -- suffering deficits in 52. By 2008 only 13 US manufacturing industries had surpluses with China while 55 industries faced net losses from China. (full 2001-2008 industry tables of trade balances, exports and imports are provided in Appendix 1.)

Another indicator often cited of China's rapid modernization and localization of diverse industry supply-chains, is China's value added to imports. China's global imports of all merchandise, including mineral fuels and ores, totaled \$243.6 billion in 2001 and \$1.1315 Trillion in 2008. China's global exports sold for \$266.4 billion in 2001 and \$1.4289 Trillion in 2008. If all of China's imports -- from crude oil and soybeans to semiconductor chips and Boeing passenger jets -- were used exclusively to produce exports, China would have earned -- added value -- of only nine cents per dollar of export in 2001 and twenty-one cents for each dollar of export in 2008. (One dollar minus the result when the value of all imports is divided by the value of all exports.) This method is simple but wrong.

⁸ Charles W. McMillion, "The Economic State of the Union: 2009," *Manufacturing and Technology News*, January 16, 2009. Updated graphics are available in the Appendix to this report pp. XXX.

US Trade Balances With China Worsened in 77 of 98 Industries Since China's WTO Admission

Industries: \$Millions	Before China's WTO Admission			Three Most Recent Years			Three Year Totals		3-YEAR CHANGE	
	1999	2000	2001	2006	2007	2008	1999-2001	2006-2008	\$Millions	Percent
Manufacturing Totals: HS28-96 less raw cotton..	-\$67,117	-\$82,103	-\$81,583	-\$230,156	-\$255,593	-\$267,486	-\$230,803	-\$753,235	-\$522,432	-226.4%
Merchandise Totals.....	-68,668	-83,810	-83,096	-232,589	-256,207	-266,333	-235,574	-755,128	-519,554	-220.5%
Machinery/Computers: HS 84-85	-20,669	-26,794	-25,963	-109,277	-121,202	-124,362	-73,425	-354,841	-281,416	-383.3%
Textiles and Apparel HS50-63 less raw cotton....	-7,207	-7,818	-8,017	-25,711	-30,387	-30,597	-23,041	-86,694	-63,653	-276.3%
Agriculture Totals: HS01-24	-332	214	115	-6	1,604	4,593	-2	6,191	6,193	N/A
Agriculture Totals: HS01-24 less Soybeans.....	-679	-793	-896	-2,518	-2,492	-2,655	-2,368	-7,665	-5,297	-223.7%
85 Electrical Machinery.....	-\$13,067	-\$16,869	-\$16,295	-\$54,717	-\$66,026	-\$68,964	-\$46,230	-\$189,707	-\$143,477	-310.4%
84 Machinery/Computers.....	-7,602	-9,925	-9,668	-54,560	-55,176	-55,398	-27,195	-165,134	-137,939	-507.2%
94 Furniture And Bedding.....	-5,485	-7,118	-7,404	-19,235	-20,195	-19,222	-20,006	-58,652	-38,646	-193.2%
95 Toys, Video Games, Sports Equip.....	-11,041	-12,352	-12,186	-20,845	-26,048	-27,113	-35,579	-74,006	-38,427	-108.0%
62 Woven Apparel.....	-3,746	-4,164	-4,126	-11,847	-13,394	-13,304	-12,036	-38,544	-26,509	-220.3%
73 Iron/Steel Products.....	-1,301	-1,800	-2,020	-7,969	-9,208	-11,185	-5,120	-28,362	-23,242	-453.9%
61 Knit Apparel.....	-2,022	-2,033	-2,273	-8,002	-10,547	-10,668	-6,328	-29,217	-22,889	-361.7%
64 Footwear.....	-8,393	-9,151	-9,710	-13,830	-14,096	-14,442	-27,254	-42,367	-15,113	-55.5%
63 Misc Textile Articles.....	-960	-1,096	-1,201	-4,614	-5,118	-5,149	-3,257	-14,881	-11,624	-356.9%
42 Leathr Art;Saddlry;Bags.....	-3,002	-3,828	-3,898	-6,825	-7,212	-7,365	-10,728	-21,402	-10,674	-99.5%
87 Vehicles, Not Railway.....	-857	-1,752	-1,299	-3,843	-4,117	-4,506	-3,907	-12,466	-8,559	-219.1%
39 Plastic.....	-1,949	-2,185	-2,398	-4,751	-4,648	-5,100	-6,532	-14,499	-7,967	-122.0%
83 Misc Art Of Base Metal.....	-715	-836	-963	-2,909	-3,309	-3,250	-2,515	-9,468	-6,953	-276.5%
O Specl Impr Provisions.....	-586	-759	-784	-2,502	-2,776	-2,966	-2,129	-8,245	-6,115	-287.2%
40 Rubber.....	-366	-413	-403	-2,029	-2,521	-2,681	-1,182	-7,231	-6,049	-512.0%
44 Wood.....	-540	-657	-701	-2,447	-2,526	-2,358	-1,899	-7,331	-5,433	-286.1%
71 Precious Stones, Metals.....	-491	-669	-803	-2,217	-2,276	-2,303	-1,963	-6,796	-4,833	-246.3%
48 Paper, Paperboard.....	-132	-219	-306	-1,398	-1,597	-1,760	-657	-4,755	-4,098	-623.9%
82 Tool, Cutlry, Of Base Mtls.....	-740	-877	-941	-1,980	-2,252	-2,348	-2,557	-6,580	-4,023	-157.3%
49 Book+Newspapr;Manuscrpt.....	-203	-326	-378	-1,330	-1,621	-1,674	-908	-4,626	-3,718	-409.6%
29 Organic Chemicals.....	-305	-190	-317	-836	-735	-2,889	-812	-4,460	-3,647	-449.0%
96 Miscellaneous Manufacturing.....	-751	-740	-841	-1,566	-1,794	-1,848	-2,332	-5,208	-2,876	-123.3%
70 Glass And Glassware.....	-258	-312	-440	-1,040	-1,142	-1,147	-1,010	-3,330	-2,320	-229.6%
69 Ceramic Products.....	-762	-869	-864	-1,550	-1,624	-1,634	-2,495	-4,809	-2,313	-92.7%
20 Preserved Food.....	-119	-126	-143	-533	-888	-1,186	-388	-2,606	-2,218	-571.9%
65 Headgear.....	-285	-324	-334	-1,000	-1,009	-1,028	-943	-3,037	-2,094	-222.1%
03 Fish And Seafood.....	-267	-383	-446	-987	-1,023	-1,157	-1,095	-3,167	-2,071	-189.1%
31 Fertilizers.....	931	661	398	185	-104	-151	1,989	-70	-2,059	-103.5%
27 Mineral Fuel, Oil Etc.....	-126	-670	-292	-963	-363	-1,615	-1,087	-2,941	-1,853	-170.4%
68 Stone, Plastr, Cement, Etc.....	-414	-565	-601	-1,074	-1,162	-1,037	-1,579	-3,274	-1,695	-107.3%
90 Optic, Nt 8544; Med Instr.....	-1,510	-2,002	-1,510	-1,835	-2,241	-2,416	-5,022	-6,492	-1,470	-29.3%
16 Prepared Meat, Fish, Etc.....	-70	-50	-87	-464	-399	-433	-207	-1,296	-1,088	-525.1%
98 Special.....	-129	-158	-224	-478	-595	-506	-511	-1,579	-1,068	-208.9%
67 Artif Flowers, Feathers.....	-869	-927	-958	-1,202	-1,265	-1,228	-2,754	-3,694	-940	-34.1%
25 Salt; Sulfur; Earth, Stone.....	-211	-226	-223	-683	-435	-332	-661	-1,451	-790	-119.6%
33 Perfumery, Cosmetic, Etc.....	-74	-86	-132	-272	-363	-416	-292	-1,051	-759	-259.8%
92 Musical Instruments.....	-266	-306	-317	-535	-530	-582	-888	-1,647	-759	-85.4%
72 Iron And Steel.....	-85	-125	261	-409	127	-323	51	-605	-656	-1280.1%
07 Vegetables.....	-56	-45	-55	-217	-278	-265	-156	-761	-605	-388.6%
58 Spcl Woven Fabric, Etc.....	-48	-51	-49	-237	-246	-260	-147	-743	-595	-403.8%
66 Umbrella, Wlk- Sticks, Etc.....	-183	-216	-234	-346	-380	-402	-633	-1,128	-496	-78.4%
57 Textile Floor Coverings.....	-188	-213	-214	-338	-358	-349	-615	-1,044	-429	-69.8%
54 Manmade Filament, Fabric.....	1	-7	3	-91	-136	-184	-3	-410	-407	-11720.0%
97 Art And Antiques.....	-156	-162	-153	-258	-347	-268	-471	-873	-402	-85.3%
60 Knit, Crocheted Fabrics.....	1	1	5	-113	-136	-144	7	-393	-400	-6092.6%
86 Railway; Trf Sign Eq.....	-42	-45	-24	-137	-223	-130	-111	-490	-379	-342.7%
23 Food Waste; Animal Feed.....	26	51	42	-76	-73	-92	119	-242	-361	-303.3%
93 Arms And Ammunition.....	-8	-10	-15	-120	-112	-121	-33	-353	-320	-962.8%
46 Straw, Esparto.....	-196	-213	-229	-326	-317	-298	-639	-941	-302	-47.2%
05 Other Of Animal Origin.....	-94	-150	-131	-210	-251	-213	-375	-674	-298	-79.5%
59 Impregnated Text Fabrics.....	9	6	6	-70	-63	-95	21	-227	-248	-1182.8%
89 Ships And Boats.....	-14	-19	-51	-98	-124	-102	-84	-323	-239	-285.9%
17 Sugars.....	-8	-7	-4	-69	-84	-103	-19	-256	-237	-1243.8%
53 Other Veg Textile Fiber.....	-26	-29	-16	-63	-83	-135	-70	-281	-211	-300.8%
36 Explosives.....	-128	-118	-130	-208	-197	-176	-375	-581	-206	-54.8%
91 Clocks And Watches.....	-579	-641	-603	-688	-680	-650	-1,823	-2,019	-196	-10.7%
09 Spices, Coffee And Tea.....	-43	-44	-46	-89	-105	-132	-133	-326	-193	-144.4%
19 Baking Related.....	-23	-19	-22	-70	-82	-95	-65	-246	-182	-281.3%
28 Inorg Chem; Rare Erth Mt.....	-295	-249	-324	-272	-234	-532	-869	-1,038	-169	-19.5%
55 Manmade Staple Fibers.....	24	29	56	-53	-0	11	110	-42	-152	-138.0%
10 Cereals.....	40	28	21	-6	-27	-15	89	-47	-136	-153.4%
30 Pharmaceutical Products.....	-118	-136	-27	-92	-66	-245	-281	-402	-121	-43.2%
35 Albumins; Mod Strch; Glue.....	5	18	35	13	-21	-46	58	-54	-111	-193.0%
18 Cocoa.....	-15	-10	-5	-35	-27	-54	-30	-115	-85	-279.8%
13 Lac; Vegetabl Sap, Extrct.....	-45	-39	-30	-57	-62	-65	-114	-185	-70	-61.5%
21 Miscellaneous Food.....	-17	2	23	-5	-26	-30	9	-61	-70	-793.8%
22 Beverages.....	-7	-13	-18	-95	-8	3	-38	-100	-62	-162.3%
45 Cork.....	-0	-1	-1	-17	-19	-25	-3	-61	-58	-1991.8%
08 Edible Fruit And Nuts.....	-31	6	7	-3	-45	-25	-18	-72	-55	-308.9%
50 Silk; Silk Yarn, Fabric.....	-66	-57	-37	-75	-70	-67	-160	-212	-52	-32.5%
32 Tanning, Dye, Paint, Putty.....	-56	-30	6	-60	-54	-17	-80	-131	-52	-64.9%
06 Live Trees And Plants.....	-4	-6	-9	-17	-21	-21	-18	-58	-40	-221.1%
01 Live Animals.....	4	4	3	-12	-15	-0	10	-27	-37	-364.0%
14 Other Vegetable.....	0	6	4	-7	-11	-11	2	-29	-31	-1396.0%
11 Milling; Malt; Starch.....	-1	-0	2	-12	-3	-7	0	-22	-22	-12558.4%
80 Tin + Articles Thereof.....	-90	-91	-82	-80	-114	-75	-264	-269	-5	-1.9%

US Trade Balances With China Worsened in 77 of 98 Industries Since China's WTO Admission

Industries: \$Millions	Before China's WTO Admission			Three Most Recent Years			Three Year Totals		3-YEAR CHANGE	
	1999	2000	2001	2006	2007	2008	1999-2001	2006-2008	\$Millions	Percent
51 Animal Hair+Yarn,Fabrc.....	-8	-5	-3	-8	-4	-8	-15	-20	-5	-32.0%
78 Lead.....	-23	-33	-16	-51	-2	0	-73	-53	19	26.7%
56 Wadding,Felt,Twine,Rope.....	-18	-21	-24	15	-13	-13	-63	-12	52	81.7%
43 Furskin+Artificial Fur.....	-41	-73	-87	-88	-67	44	-201	-111	90	44.6%
79 Zinc+Articles Thereof.....	-101	-65	-73	-25	-27	1	-240	-51	189	78.8%
15 Fats And Oils.....	68	13	8	48	141	138	90	327	237	263.9%
24 Tobacco.....	-3	-18	-24	51	49	96	-45	197	241	540.2%
37 Photographic/Cinematogr.....	27	38	36	67	127	196	102	390	289	284.5%
04 Dairy,Eggs,Honey,Etc.....	-15	-14	4	50	100	124	-25	274	299	1197.0%
75 Nickel+Articles Thereof.....	5	11	17	74	136	178	33	388	355	1072.7%
81 Other Base Metals, Etc.....	-124	-110	-107	396	-100	-280	-342	16	358	104.8%
34 Soap,Wax,Et,Dental Prep.....	-122	-139	-133	-51	-26	43	-395	-34	361	91.4%
76 Aluminum.....	33	132	85	124	130	413	249	668	418	167.8%
38 Misc. Chemical Products.....	95	125	133	274	492	487	353	1,253	900	255.2%
41 Hides And Skins.....	126	270	428	831	932	879	823	2,642	1,818	220.9%
26 Ores,Slag,Ash.....	1	9	5	398	842	617	14	1,858	1,844	13223.0%
02 Meat.....	58	62	66	353	711	974	186	2,038	1,852	996.4%
74 Copper+Articles Thereof.....	-32	143	140	1,027	1,359	1,149	251	3,535	3,284	1310.1%
52 Cotton+Yarn,Fabric.....	-174	-132	-101	1,844	1,239	1,398	-407	4,481	4,888	1201.1%
47 Woodpulp, Etc.....	193	276	329	1,471	2,046	2,270	798	5,787	4,989	625.2%
12 Soybeans, Misc Grain,Seed,Fruit.....	288	968	964	2,454	4,031	7,159	2,220	13,644	11,424	514.5%
88 Aircraft,Spacecraft.....	2,290	1,657	2,389	5,956	7,006	4,916	6,336	17,879	11,542	182.2%

US Department of Commerce and MBG Information Services

1.94 Million More US Jobs Lost than Gained From Trade Imbalance With China

States	Population		Trade Deficits With China*		Jobs Lost to China Deficits**		
	2001	2008	2001	2008	2001	2008	Change
			<i>\$Millions</i>				
US Totals.....	285,039,803	304,059,724	-\$83,096	-\$266,333	-889,127	-1,936,239	-1,047,112
Alabama.....	4,462,832	4,661,900	-1,301	-4,083	-13,921	-29,687	-15,766
Alaska.....	633,160	686,293	-185	-601	-1,975	-4,370	-2,395
Arizona.....	5,303,632	6,500,180	-1,546	-5,694	-16,544	-41,393	-24,849
Arkansas.....	2,689,601	2,855,390	-784	-2,501	-8,390	-18,183	-9,793
California.....	34,507,030	36,756,666	-10,060	-32,196	-107,638	-234,065	-126,427
Colorado.....	4,431,918	4,939,456	-1,292	-4,327	-13,825	-31,454	-17,630
Connecticut.....	3,428,208	3,501,252	-999	-3,067	-10,694	-22,296	-11,602
Delaware.....	794,498	873,092	-232	-765	-2,478	-5,560	-3,082
District of Columbia..	577,678	591,833	-168	-518	-1,802	-3,769	-1,967
Florida.....	16,340,734	18,328,340	-4,764	-16,054	-50,972	-116,714	-65,742
Georgia.....	8,418,592	9,685,744	-2,454	-8,484	-26,260	-61,678	-35,418
Hawaii.....	1,217,955	1,288,198	-355	-1,128	-3,799	-8,203	-4,404
Idaho.....	1,320,732	1,523,816	-385	-1,335	-4,120	-9,704	-5,584
Illinois.....	12,510,596	12,901,563	-3,647	-11,301	-39,024	-82,157	-43,132
Indiana.....	6,123,942	6,376,792	-1,785	-5,586	-19,102	-40,607	-21,505
Iowa.....	2,929,294	3,002,555	-854	-2,630	-9,137	-19,120	-9,983
Kansas.....	2,701,346	2,802,134	-788	-2,454	-8,426	-17,844	-9,418
Kentucky.....	4,066,442	4,269,245	-1,185	-3,740	-12,684	-27,186	-14,502
Louisiana.....	4,460,395	4,410,796	-1,300	-3,864	-13,913	-28,088	-14,174
Maine.....	1,284,663	1,316,456	-375	-1,153	-4,007	-8,383	-4,376
Maryland.....	5,375,659	5,633,597	-1,567	-4,935	-16,768	-35,874	-19,106
Massachusetts.....	6,407,269	6,497,967	-1,868	-5,692	-19,986	-41,379	-21,393
Michigan.....	10,004,341	10,003,422	-2,917	-8,762	-31,207	-63,701	-32,495
Minnesota.....	4,982,339	5,220,393	-1,452	-4,573	-15,541	-33,243	-17,702
Mississippi.....	2,853,061	2,938,618	-832	-2,574	-8,900	-18,713	-9,813
Missouri.....	5,641,994	5,911,605	-1,645	-5,178	-17,599	-37,645	-20,046
Montana.....	905,854	967,440	-264	-847	-2,826	-6,161	-3,335
Nebraska.....	1,717,705	1,783,432	-501	-1,562	-5,358	-11,357	-5,999
Nevada.....	2,093,973	2,600,167	-610	-2,278	-6,532	-16,558	-10,026
New Hampshire.....	1,256,625	1,315,809	-366	-1,153	-3,920	-8,379	-4,459
New Jersey.....	8,490,942	8,682,661	-2,475	-7,605	-26,486	-55,291	-28,805
New Mexico.....	1,828,330	1,984,356	-533	-1,738	-5,703	-12,636	-6,933
New York.....	19,088,220	19,490,297	-5,565	-17,072	-59,542	-124,113	-64,571
North Carolina.....	8,199,913	9,222,414	-2,390	-8,078	-25,578	-58,728	-33,150
North Dakota.....	636,211	641,481	-185	-562	-1,985	-4,085	-2,100
Ohio.....	11,391,298	11,485,910	-3,321	-10,061	-35,533	-73,142	-37,609
Oklahoma.....	3,463,387	3,642,361	-1,010	-3,190	-10,803	-23,194	-12,391
Oregon.....	3,470,716	3,790,060	-1,012	-3,320	-10,826	-24,135	-13,309
Pennsylvania.....	12,284,522	12,448,279	-3,581	-10,904	-38,319	-79,270	-40,951
Rhode Island.....	1,058,065	1,050,788	-308	-920	-3,300	-6,691	-3,391
South Carolina.....	4,061,844	4,479,800	-1,184	-3,924	-12,670	-28,527	-15,857
South Dakota.....	758,705	804,194	-221	-704	-2,367	-5,121	-2,754
Tennessee.....	5,753,497	6,214,888	-1,677	-5,444	-17,947	-39,576	-21,629
Texas.....	21,333,928	24,326,974	-6,219	-21,309	-66,547	-154,913	-88,366
Utah.....	2,291,066	2,736,424	-668	-2,397	-7,147	-17,425	-10,279
Vermont.....	612,134	621,270	-178	-544	-1,909	-3,956	-2,047
Virginia.....	7,188,251	7,769,089	-2,096	-6,805	-22,422	-49,473	-27,051
Washington.....	5,987,181	6,549,224	-1,745	-5,737	-18,676	-41,705	-23,029
West Virginia.....	1,798,540	1,814,468	-524	-1,589	-5,610	-11,554	-5,944
Wisconsin.....	5,408,061	5,627,967	-1,577	-4,930	-16,869	-35,839	-18,969
Wyoming.....	492,924	532,668	-144	-467	-1,538	-3,392	-1,854

* trade balances are estimated as portion of population ** job losses are calculated from lost value added
 US Department of Commerce and MBG Information Services

The error is easy to understand when this method -- sometimes promoted by China's authorities and others⁹ -- is applied to the US which paid \$2.1 Trillion for global imports in 2008 and earned \$1.3 Trillion from exports. This same methodology would suggest that the US lost 62 cents on every dollar

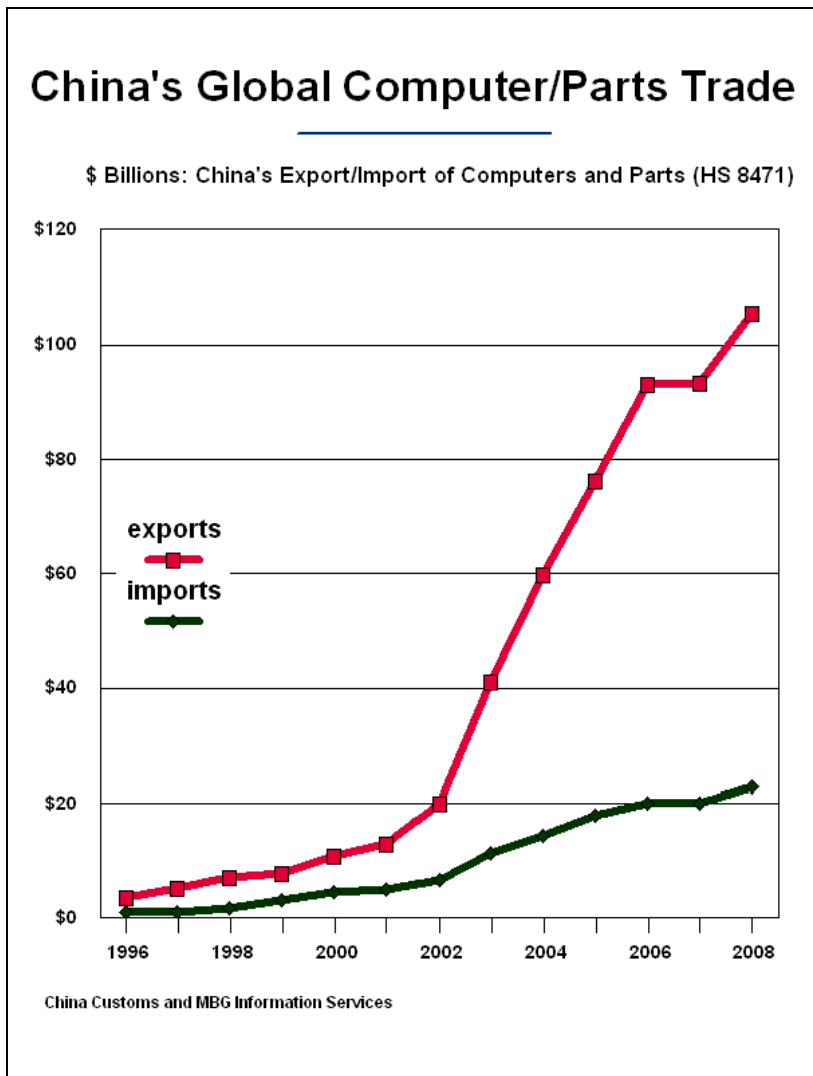
of export. Clearly, a very substantial majority of imports into China as well as into the US is bought by domestic end-users whether consumers, business or government agencies.

It should also be noted that -- contrary to constant media suggestion -- China's domestic spending by consumers, business and government each grew in the range of 20% in each of the past seven years, vastly outpacing US spending growth. Most recently, US retail spending declined by 0.4% in 2008 as China's slowing retail sales still rose by 21.6%.¹⁰

A serious study of the value added in China's exports is not now possible with the very poor quality and unverifiable nature of detailed input/output data for China's industries. What is clear is that, along with its soaring growth of domestic demand growth and record global trade surpluses, China's simple ratios of exports-to-imports soared for virtually all modern manufacturing industries. It's export/import ratio for all manufactured goods rose from 1.15 in 2001 to 1.66 in 2008.

Although, for example, China's

domestic market for computers -- the world's second largest only to the US -- grew by more than 20% per year until a slowdown in 2008, yet China's global surplus in computers and parts (HS 8471) soared from \$8.1 billion in 2001 to \$82.8 billion in 2008. China has become the world's dominant producer of computers and parts while its ratio of imports to exports has soared from 2.6 to 4.6. That is, despite surging domestic sales, China now receives \$4.60 for its exports of computers and parts for every \$1.00 it pays to import these items. A table of China's evolving export/import ratios for each 2-digit industry is available in Appendix 1.

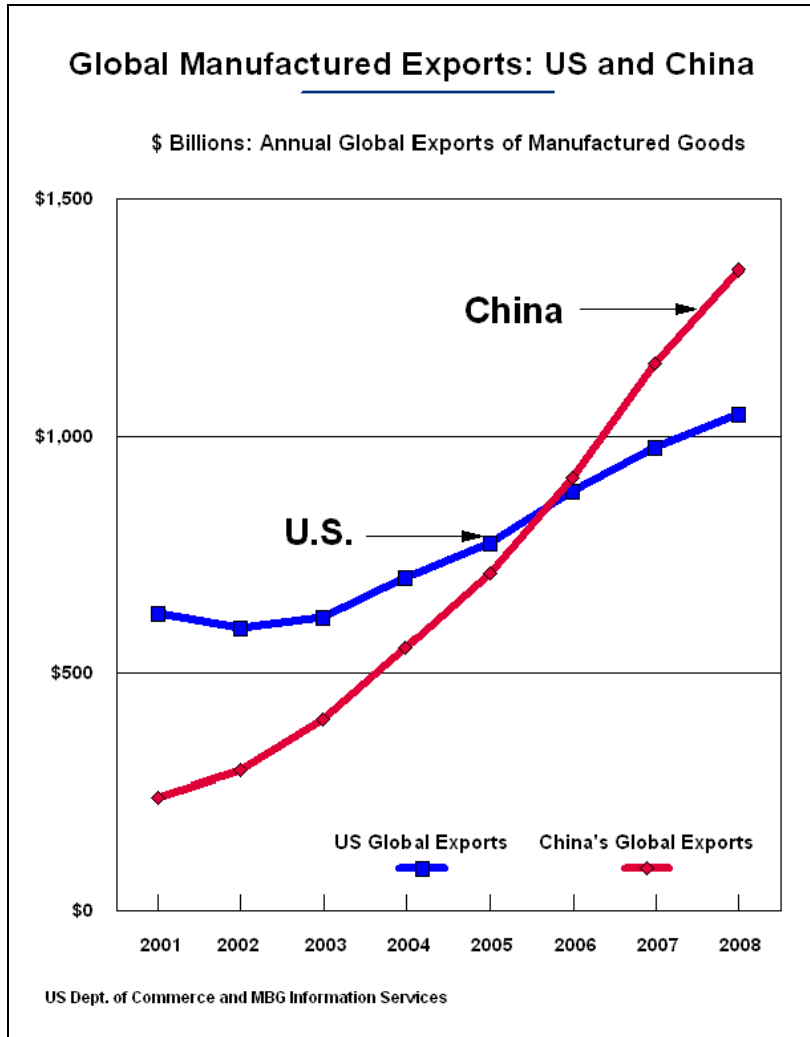


⁹ Recently announcing another record surplus in China's electronics exports, a spokesman for the Ministry of Industry and Information Technology is officially quoted claiming that "... more than 80 percent of the exports in terms of value were only processed or assembled in China with materials supplied by overseas clients..." *Xinhua*, "China's trade of electronics, information products total \$885 bln last year," February 19, 2009

¹⁰ *Xinhua*, "China's 2008 retail sales up 21.6% but slow throughout 2H," January 22, 2009.

China's Rapid Modernization of Traded Goods

When China was admitted to the WTO, the global US exports of manufactured goods were 2.6 times the value of China's manufactured goods; in 2008, US exports were worth only 78% of China's now world leading totals. As China's economy grew three times the US rate, its manufactured exports averaged 28% annual growth over the past seven years as US exports averaged growth of only 7.8%.



But far more important that the remarkably strong growth and diversification of China's manufactured exports and surpluses is their rapid modernization. Since 2001, 94% of China's global exports have been manufactured goods. Reflecting the vast improvements in China's industrial supply chains, 45% of China's manufacturing export growth has been in electrical and non-electrical machinery and parts -- including computers, HS 85 and 84. This contrasts sharply with other, more traditional manufactured exports such as textile and apparel, HS 50-63, which have also soared but account for only 15% of exports since 2002 and for only 13% in 2008.

Machinery and parts are major traded industries for many countries including the US where they long have been the dominant export, accounting for 37% of manufactured exports since 2002. But US export growth for machinery and parts averaged just 4.8% over the past seven years. Global US exports of machinery and parts plunged from 3.1 times the size of

China's machinery exports in 2001 to less than 60% of China's export size in 2008.

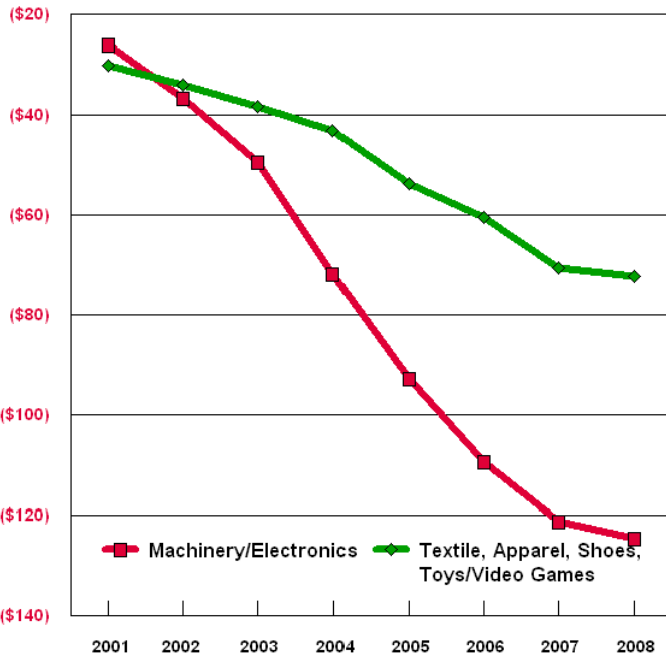
Machinery and parts are so very diverse, with such short product cycles, they are also the major import of China, the US and most countries. Since 2002, machinery and parts account for 50% of China manufactured imports. But because imports did not keep up with booming exports, China moved from an \$11.6 billion global deficit in machinery and parts in 2001 to a \$205.5 billion surplus in 2008. That is, China moved from a global deficit in machinery and parts in 2001 that was even worse than its \$9.1 billion fuel oils deficit to the largest machinery and parts surplus the world has ever know in 2008. For many types of machinery, China's domestic market is also now the world's largest.

Reflecting China's 2001 trade deficit in global machinery trade, in that year its export/import ratio for machinery was 0.88. By 2008 that export/import ratio soared to 1.51. China's world record surplus in global machinery trade first surpassed its world record surplus in textiles and apparel in 2007 and vastly extended that lead in 2008. China's global machinery exports have exceeded its textile and apparel exports since 1998. Now, despite the fastest growing domestic market, it's global surplus for machinery is also larger (by 30%) than its textile and apparel surplus.

US Trade Deficits With China

The Rapidly Changing Composition

\$ Billions: Annual US Trade Deficits With China



US Dept. of Commerce and MBG Information Services

During these seven years the US' global deficit in machinery worsened badly, from \$48.6 billion in 2001 to a record deficit of \$151.3 billion in 2007 that eased with the recession of 2008 to a deficit of \$135.3 billion. All of the worsening in the US global deficit in machinery was the result of the US deficit with China soaring from \$26 billion in 2001 to a deficit of \$124.4 billion in 2008.

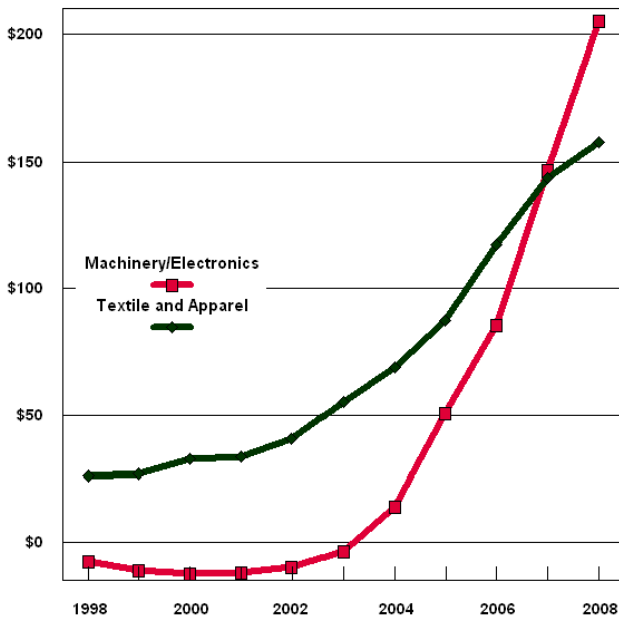
Japan has maintained its surplus in global machinery trade rising to a near record \$153.4 billion in 2008 and remained near balance in its machinery trade with China. The EU greatly extended its global machinery surplus, to a record \$95.6 billion in 2008, even as its deficit in machinery trade with China worsened by a factor of six, to a record 2008 deficit of \$108.7 billion. (detailed US and China export, import and trade balance data for machinery are available in the Appendix.)

Almost all of the industries in which China now has low global ratios of export/import and significant trade deficits are agricultural or commodity industries; mineral fuels, ores, plastic/packing materials, organic chemicals, copper, soybeans, wood pulp, fats and oils, hides and skins, etc. China has very aggressively sought to secure long term access to these commodities at favorable prices. Those activities are far more aggressive and even more successful with China's vast wealth at a time the US and others face massive debts.

China's Global Manufacturing Trade

The Rapidly Changing Composition

\$ Billions: China's Annual Global Trade Balances



China Customs and MBG Information Services

Optical and Medical Equipment, Aircraft, Semiconductors, Motor Vehicles and Food

There are three key areas of modern manufacturing in which China continues to face large global deficits and another vital area for both the US and China -- autos -- that deserve special attention.

China's global imports and deficits in HS 90, optical and medical equipment, have soared since the pace of modernization accelerated with WTO admission. The industry accounts for China's largest non-commodity manufacturing deficits which are now more than four times the size of the next largest industry deficit, aircraft, HS 88. First, it should be noted that the medical equipment portion of the industry (mostly HS 9018) improved steadily from a small, \$524 million global deficit in 2001 to a small, \$569 million surplus in 2008. The industry's deficits are concentrated in the optics segments of the industry, including fiber optics cable but particularly in various types of optics equipment (mostly HS 901380) which are almost entirely imported -- according to China Customs -- from Taiwan, South Korea and Japan. This more specialized equipment is used for semiconductor production and in a wide range of liquid crystal and laser devices, optical microscopes and eyeglasses.

For the US, optical and medical equipment is second only to the aircraft industry for having the largest global manufacturing trade surplus, with a record \$13.3 billion surplus in 2008 and \$64.3 billion in global surpluses since 2002. The largest portions of this global US surplus come from medical and telecommunications segments of the industry. However, over the period, the US suffered constantly worsening deficits with China in this industry overall, with deficits in the seven years totaling \$13.1 billion. The US maintains a very small surplus with China in medical equipment -- \$88 million in 2008 -- and in 11 other 4-digit segments of the industry, but the US has deficits with China in 20 other industry segments dominated by optics -- especially eyeglasses -- and telecommunications.

As in every other major industry, despite well-publicized concerns for intellectual property protection, China is increasingly successful drawing the world's largest and most advanced companies to produce optical and medical equipment in China. The US Corning corporation's web site notes:¹¹

Our growth in China has been extraordinary. As recently as 1998, the China operation had fewer than 100 employees and no manufacturing plants. To date, Corning has invested more than US\$3 billion in Greater China, with eight manufacturing plants and 3,000 employees focused in the telecommunications, information display and automotive industries.

Global firms are aggressively moving into high-end production in China including the Dutch conglomerate Philips which, with its Chinese joint venture partner began in 2007 producing MRI, CT scan, ultrasound and X-ray equipment.¹² GE Healthcare recently formed a 49/51 joint venture with a Chinese partner to develop and produce X-ray equipment in China. This is GE Healthcare's fourth joint venture to produce medical equipment in China. It is part of a larger GE strategy to add \$2 billion to its investments in China between 2008 and 2010, import less into China and export much more from China to more than double its revenue from its many China operations to \$10 billion by 2010. Chen Xiangli, president of GE's China Technology Center indicated that China is "GE's second home."¹³

Vital for national military security, the aircraft industry also has been, by far, the main source of US net exports for decades with a near record global surplus of \$50.4 billion in 2008 and \$263.6 billion in accumulated surpluses since 2002. In recent years, including in 2008, the European Airbus sold and delivered more large commercial airplanes than Boeing but the EU's global surplus in the aircraft industry has never approached US levels.¹⁴ China, as the world's second largest commercial aircraft market -- after the US -- has taken expert advantage of this competition between Boeing, Airbus and others, requiring increasingly sophisticated offsets in exchange for orders. Most recently, in

¹¹ See http://www.corning.com/cn/en/about_us/corning_in_china.aspx

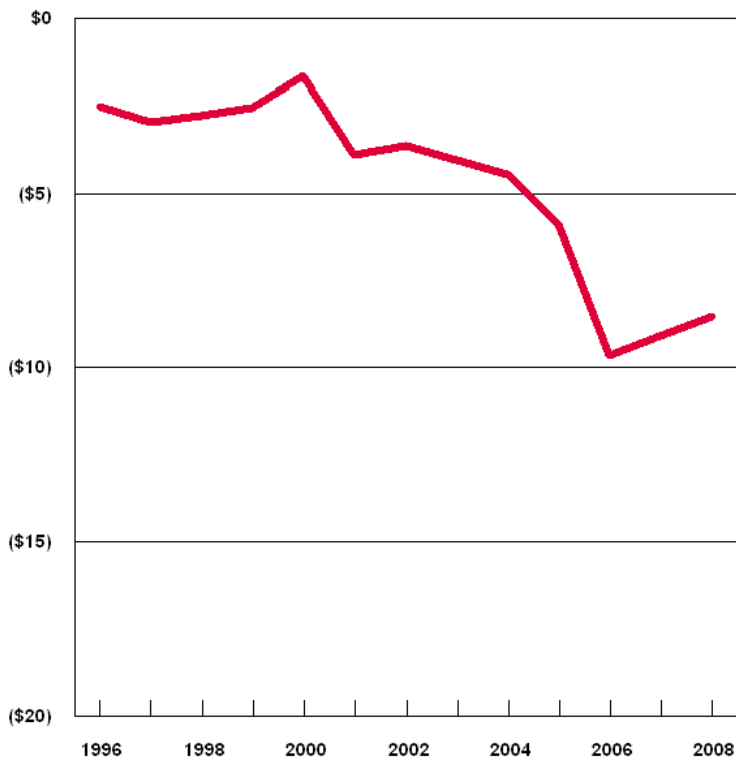
¹² Bruce Einhorn, Chinese MRIs, Coming to Your Hospital, *Business Week*, April 23, 2008.

¹³ Li Fangang, "GE, Shinva set up healthcare joint venture," *China Daily*, December 25, 2008 and Geoff Dyer and Peter Marsh, "GE to invest \$2bn in China," *Financial Times*, April 15, 2008.

¹⁴ "Airbus takes top planemaker spot," *BBC News Online*, January 15, 2009. Eurostat reports that the EU's record global surplus for aircraft/spacecraft and parts was set at \$15.4 billion in 2008.

China's Global Deficits in Aerospace

\$ Billions: China's Global Trade Deficits in Aircraft and Spacecraft



China Customs and MBG Information Services

joint venture with China's massive AVIC, Airbus has begun assembling the A320 in Jianjin and formed a separate joint venture for the A320's wing assembly.¹⁵

China's vast aerospace and aircraft industry has made major advances in recent years including various lunar missions, a spacewalk and becoming only the fourth country to develop its own advanced fighter aircraft.¹⁶ China produces its own midsize commercial airplanes including a new version that has won significant orders for future export. A major, very ambitious nationalist goal of China's current 11th 5-Year Development Plan is to spare no expense to develop, produce and promote sales of its own, fully proprietary large commercial jetliner by 2014.¹⁷

China's current trade data for aircraft must be understood in this context of what appears to be an industry nearing very rapid expansion of production. Despite 16-18% annual growth of China's commercial passenger travel, China's global trade

deficit in aircraft peaked in 2006 at \$9.6 billion and declined slightly in each of the last two years of rising exports and falling imports. China's global surplus for ships and boats is now twice as large as its aircraft deficit. The export/import ratio for China's aircraft industry was only 0.16 in 2008 but this should rise very rapidly. China's aerospace deficit should be expected to be quickly reduced or eliminated in coming years, with important consequences for the US, the EU and others.

Although China is the world's largest producer of semiconductors, mostly in facilities owned by foreign corporations, China is also the world-leading producer of products using semiconductors. Demand for semiconductors exploded so rapidly that until 2008 China's global trade deficit in semiconductors was even larger than its deficit for all mineral fuels. China's semiconductors trade deficits total \$507.2 billion over the past seven years compared with deficits for all mineral fuels of \$402.6 billion. This enormous and fast-growing market, together with strong financial and other incentives from China's government, provide powerful market pressures for locating new production in China despite ongoing and very serious intellectual property concerns.

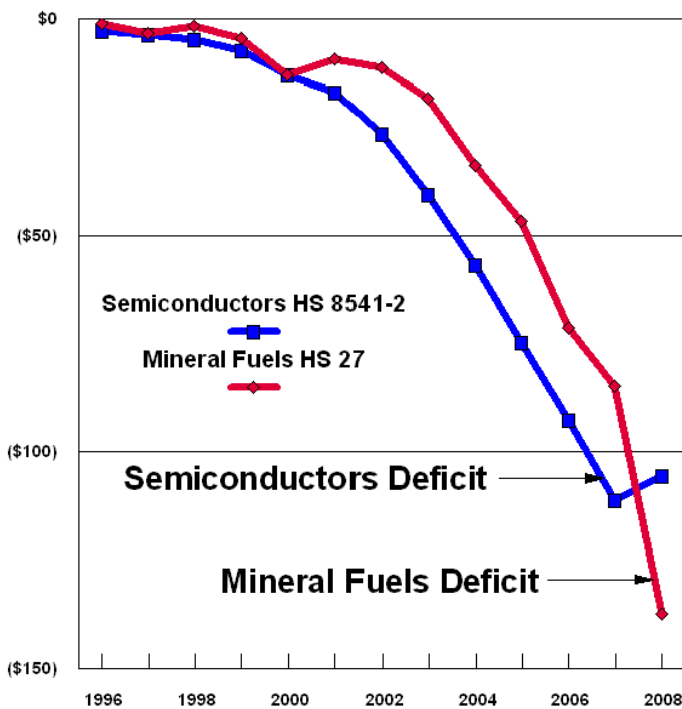
¹⁵ *Xinhua*, "A320 aircraft wing project starts in Tianjin," March 13, 2009.

¹⁶ *China Daily*, "China's landmark spacewalk mission ends," September 28, 2008. *Xinhua*, "China becomes world's 4th nation to develop advanced fighter planes," January 4, 2007.

¹⁷ GE Commercial Aviation Service places an order for 25 of the new jets at a key moment of global economic uncertainty. *Xinhua*, "China signs contracts for mass production of domestic regional jet," February 14, 2009 *China Daily*, "Chinese jumbos cleared for takeoff," November 4, 2008.

China's Worst Global Deficits

\$ Billions: China's Annual Global Trade Deficits



China Customs and MBG Information Services

Classified most broadly as HS 8541 and 8542, China's semiconductor deficit in 2008 was \$105.5 billion, down from a record \$111.1 billion in 2007 as imports slowed sharply and exports accelerated.

Semiconductors are a component of electrical machinery, HS 85. Without the huge semiconductor deficits, the remainder of China's electrical machinery industry saw its global surplus rocket from \$12.1 billion in 2001 to \$181.0 billion in 2008.

The US enjoyed rising global surpluses in semiconductor trade for a decade until they leveled-off over the past three years at \$25 billion per year. Yet only \$4.5 billion of China's \$105.5 billion global deficit for semiconductors in 2008 was attributed to the US. China's main supplier of semiconductor, Taiwan, accounts for \$27 billion of the 2008 deficit -- followed by South Korea (\$19 billion,) Japan (\$8 billion,) Malaysia, the Philippines and other, mostly Asian neighbors.

Intel's large new landmark semiconductor fabrication facility will begin production next year in Dalian, as Elpida Memory's even

larger new plant opens in Suzhou, and AMD along with most of China's Taiwanese and domestic chip producers upgrade and expand production despite the global downturn. China's banks are also supporting local attempts to acquire or relocate cash-strapped semiconductor firms.¹⁸ If, as appears likely, China's output of modern semiconductors continues to soar in 2009 and in coming years as global demand weakens from the global downturn, semiconductor production and producers outside China, including in the US, will be threatened.

China's motor vehicles industry, including autos, clearly demonstrates the remarkable growth of recent years, the threat that China's producers pose to producers elsewhere in the very near future, as well as the incomplete and sometimes misleading nature of aggregate trade data. China's domestic auto sales in January 2009 first surpassed US sales to become the world's leading auto market.¹⁹

It now seems likely that China's auto production will reach over 10 million units in 2009 and will surpass the slumping output of auto makers in the US and perhaps those in Japan as well to become the world's leading auto producer. The world's major auto makers are permanently closing existing production in the US and elsewhere, where they are unable to operate at a profit despite substantial taxpayer subsidies, and expanding production, research and development in China's extremely low cost and profitable, state-controlled facilities.²⁰

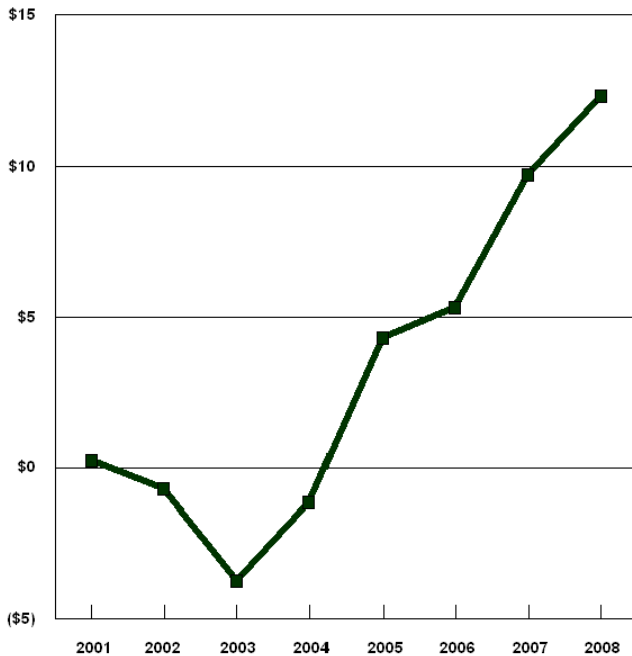
¹⁸ See, for example, Kathrin Hille and Gerrit Wiesmann, "China talks give hope to insolvent Qimonda," *Financial Times*, March 17, 2009.

¹⁹ Norihiko Shirouzu, "China tops US auto sales for first time," *Wall Street Journal*, February 5, 2009.

²⁰ Li Fangfang, "GM opens new factory in Shenyang," *China Daily*, December 17, 2008. GM began construction in Shanghai on September 15, 2008 for its new \$250 million Asia-Pacific headquarters and center for R&D focused on alternative fuels.

China's Global Vehicle Surplus

\$ Billions: China's Global Balance for Vehicles/Parts (HS 87)



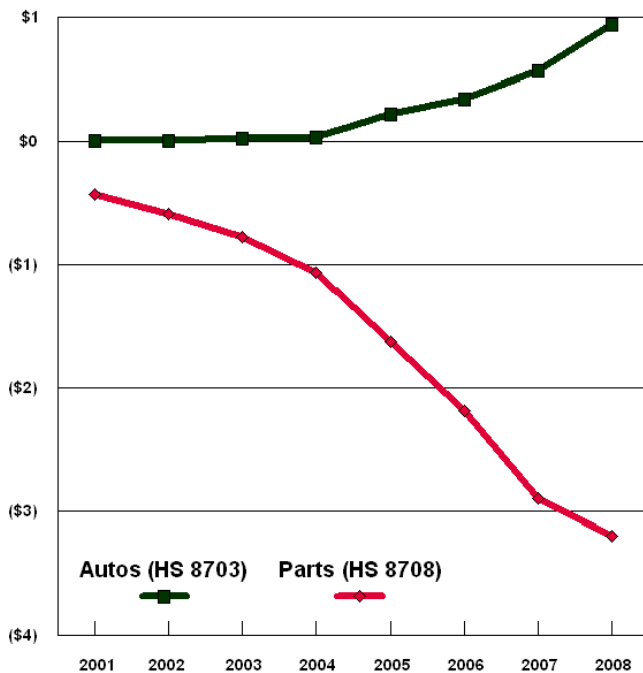
China Customs and MBG Information Services

It is important to appreciate that while China's auto production quadrupled since 2001, its domestic sales also quadrupled. Indeed, even as China's global balance for total "Vehicles" trade (HS 87) moved from tiny surplus in 2001 to a \$3.7 billion deficit in 2003 and rocketed to a \$12.4 billion surplus in 2008, so far China has faced ever worsening deficits in autos -- even with the US.

That is, while dominating production for its own rapidly growing domestic market, China moved quickly up the technology ladder in trade from bicycles to motorcycles to light trucks and now to auto parts. Again reflecting remarkably rapid localization and quality improvements in the supply chain for autos with soaring domestic demand, China's auto parts sector achieved a small trade surplus in 2007 and a \$3.5 billion surplus in 2008. This suggests, particularly with domestic demand growth slowing, China's auto parts surplus could continue expanding rapidly as its auto deficit is quickly reduced, soon also becoming a perhaps soaring surplus.

US Autos/Parts Trade With China

\$ Billions: US trade balance with China: Autos & Parts

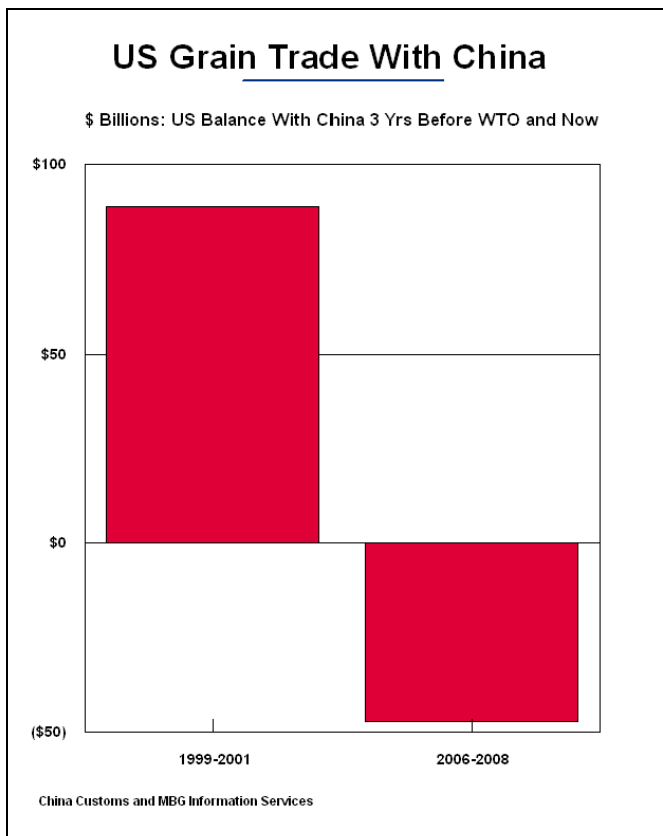


US Department of Commerce and MBG Information Services

With US auto production already largely unprofitable and in steep decline, an increasing flood of very cheap auto parts from China -- whether directly to the US or to third country markets such as Canada -- would be a serious threat to the viability of the remaining supply chain and therefore to the US-based industry. Add to this the expectation that auto exports from China will increase dramatically over the next three years -- many with international brands -- and the prospects for this vital US industry appear bleak indeed absent urgent and strong trade policy initiatives.

Finally, the foods portion of agricultural trade (HS 1-28) has always been vital to global commerce and to both the US and China where food self-sufficiency long has been a national policy priority. Despite decades of food self-sufficiency in China, and global food trade surpluses, its admission to the WTO were colored by powerful, outdated images of rural starvation. The US Farm Bureau, the US Department of Agriculture and others assured an export bonanza for US farmers when China was admitted to the WTO. Chinese delegations

joined Midwest politicians touring US farm communities implying that massive grain sales and rising commodity prices would certainly follow China's admission to the WTO. At USDA's 2000 Agricultural Outlook Forum the vice president of economic research at ConAgra indicated that with WTO membership China could import duty free an amount equal to one-fourth of all US wheat and corn exports.²¹



In fact, since 2001 US grain exports to China have fallen steadily with no US wheat exported to China in 2008 and the US suffering deficits in Cereals (HS 10) trade with China in each of the most recent three years. Indeed, whereas the US had trade surpluses with China in 10 of 24 food industries in 2001, the US now has surpluses in only 5 with deficits in the other 19 food industries.

US soybean and soy oil exports to China soared in recent years, with prices also increasing, raising the overall US foods trade surplus with China. However, excluding soybeans, the US deficit with China in foods trade worsened sharply and broadly since 2001 to a new record in 2008.

Globally, China's decades-old foods trade surplus plunged to an \$11.6 billion deficit in 2008 entirely as a result of soaring prices for soybeans and soy oil. Excluding soybeans, China continues to enjoy a substantial surplus in foods trade including surpluses in 14 of its 24 industries.

China's determination to maintain self-sufficiency in foods even as the country faces

severe water shortages, pollution, encroachment of industry in farm areas and other constraints has led to widening criminal activities as well as regulatory compromises on food safety. The result has been a wide range of health problems in China, the US and elsewhere related to foods produced in China.²²

But China is far from alone; life-threatening food safety problems -- from Mad Cow disease to spinach and peanuts -- have also originated in the US over recent years as food chain regulations were weakened and inspections less frequent. The result has been a new food safety commission and law in China and a promise of a complete overhaul of US food safety and inspection by the new Obama Administration which has also just established a new food safety commission.²³

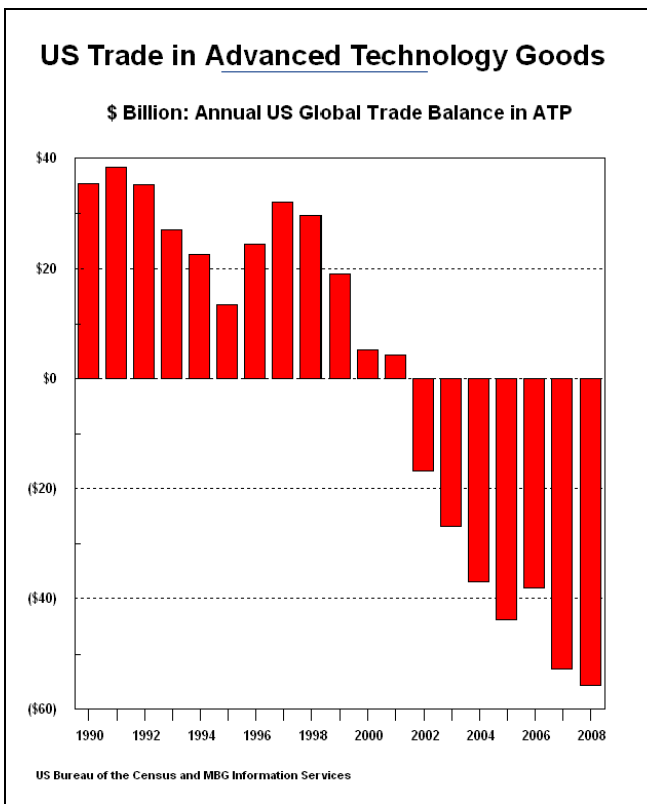
²¹ For the most extreme warnings, see Lester Russell Brown, *Who Will Feed China?* (New York: Norton, 1995.) One of the most widely cited forecasts of soaring US grain exports is John Skorburg, "Analysis: China and the WTO," American Farm Bureau, April 9, 1999. Agriculture Secretary Glickman echoing this forecast in a February 11, 2000 White House meeting with agri-business lobbyists supporting China's admission to the WTO. "US' Glickman sees up to \$2 bln/yr boost to farm export from China WTO bid," *AFX News, Asia*, February 11, 2000. The Conagra claim is reported in "In Boost for PNTR, Pomeroy Swings to Supporters' Side," *CongressDaily*, February 28, 2000.

²² Chinese and international concerns arose late in 2008 over milk and milk products tainted with melamine. Chinese authorities blamed the incident on fraud, sentenced two to death, gave a life sentence to the chairwoman of the Sanlu dairy at the heart of the scandal and sold Sanlu to another dairy. "China: No melamine found in Wyeth infant formula," *Associated Press*, February 26, 2009.

²³ Donald G. McNeil Jr, "Testing Changes Ordered After U.S. Mad Cow Case," *New York Times*, June 25, 2005. Michael Moss, "Peanut Case Shows Holes in Safety Net," *New York Times*, February 9, 2009.

Soaring Scope and Scale of China's US trade in Advanced Technology Products

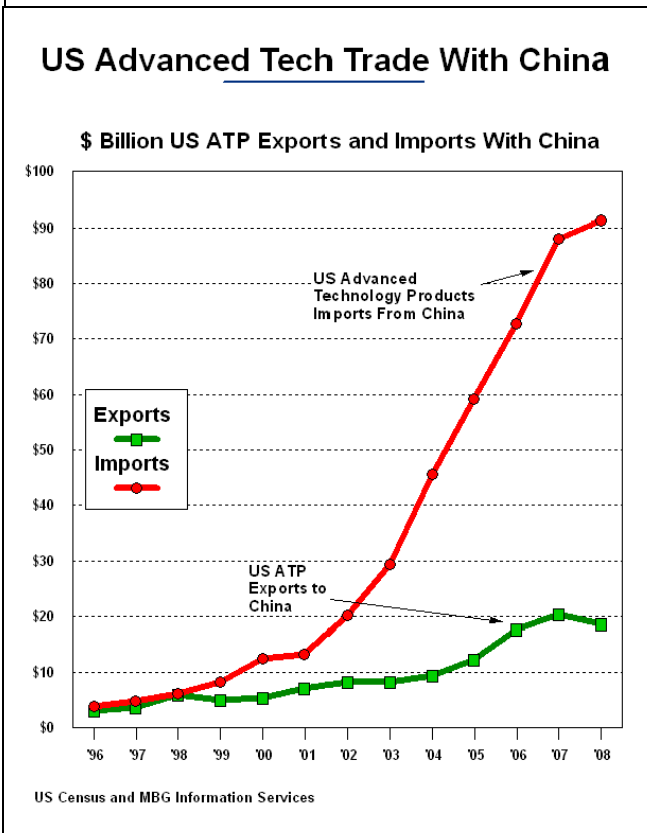
Perhaps the best measure of China's pervasive success in economic modernizing is demonstrated by its affect on US trade in Advanced Technology Products. ATP trade was one of the few remaining areas of US surpluses amid the chronic US trade deficits that first began in 1982.



Through the 1980s and 1990s, ATP surpluses were sighted by theorists claiming that importing what others produce more cheaply allows a country to concentrate on what it makes best, the sales of which will pay for imports and raise living standards for all. The hope was that ATP surpluses would eventually pay for a significant share of the US net imports of oil, apparel, autos and other products of mature manufacturing industries.

In the event, the US began suffering deficits in ATP trade with China in 1995 and with the world in 2002. Indeed, since 2002 global US deficits for manufactured ATP have been roughly the same size as the entire US global surplus from all so-called Intellectual Property fees and royalties, including franchise fees on McDonalds and Starbucks.

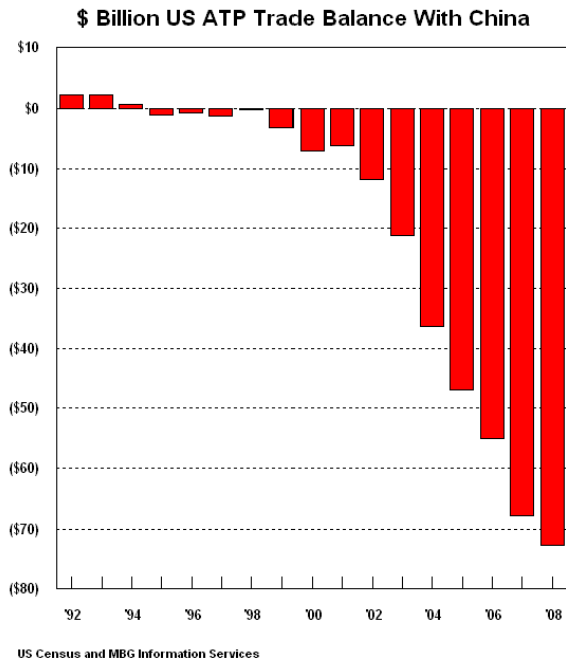
That is, for the past seven years the US surplus in global high technology trade for both goods AND services is an average of just \$3.4 billion per year -- including deficits in 2004 and 2005. Indeed, outside of the aerospace sector (HS 88) which added \$96.5 billion in surpluses to the global US ATP balance in just the last two years, US technology trade -- goods AND services -- is itself deeply in deficit, producing less than the US itself requires, forcing foreign borrowing and asset sales.



China accounts for 28% of US' ATP imports and only 7% of exports. It also accounts for more than the total US global ATP deficit with the gap between US exports and imports rocketing since 2001. In 2001, US producers earned 54 cents from ATP exports to China for every \$1.00 the US spent importing ATP from China; in 2008 US producers earned just 20 cents on every \$1.00. As a result, the US ATP deficit with China has soared every year from \$6.1 billion in 2001 to \$72.7 billion in 2008 -- 9.1 times the amount of the US ATP deficit with Japan.

The US Department of Commerce constantly updates the ATP list as new products are introduced and others become obsolete. (The full listing of ATP products in US-China trade from 2001 to 2008 are available in Appendix 2, including exports, imports and balances.) Through this dynamism, the ATP list was shortened from 599 to 533 by 2008.

US Advanced Tech Trade With China

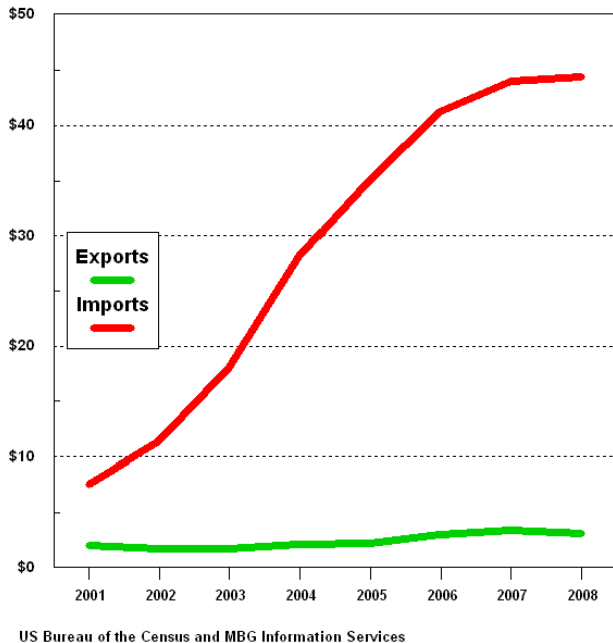


While the number of distinct ATP in which US producers enjoy a surplus declined from 287 in 2001 to 225 in 2008, the number of Chinese producers with surpluses increased from 312 in 2001 to 328 in 2008. Indeed, the number of ATP exported from the US to China fell from 367 in 2001 to 328 in 2008 while the number exported from China to the US declined only from 435 to 431. Those that claim producers in China compete with only a limited number of producers in the US have the reality reversed; it is US producers that are competing with less and less of the technology produced in China.

ATP are distributed very unevenly within nine two-digit HS industry categories: HS 28, 29, 30, 38, 84, 85, 88, 90 and 93 along with a very few imports from China classified as HS 98, miscellaneous manufactured goods. However, 86% to 90% of US ATP exports to China from 2001 and 2008 were within only three of these broad industries -- HS 84 Non-electrical machinery, computers and parts, HS 85 Electrical machinery, semiconductors, communications equipment and parts, and HS 88 Aircraft, spacecraft and parts. During this period, 95% to 98% of US ATP imports from China were in just two broad industries -- HS 84 and HS 85 -- which also account for more than the entire US ATP deficit with China and with the world.

US ATP Trade With China HS 84: Non-Electrical Machinery, Computers, Parts

\$Billion: US Exports and Imports to China, HS 84



The US ratio of imports from China to exports for HS 84 ATP soared from 3.8 in 2001 to 14.2 in 2008 and the US deficit soared from \$5.6 billion to \$41.3 billion. The US deficit for HS 85 ATP soared from \$3.2 billion to \$36.5 billion and the ratio of US imports to exports rose from 2.6 to 5.4. These large and rapidly worsening imbalances for advanced machinery cover virtually the entire field of information technology, from wireless communications to computing. They therefore poses urgent and quickly escalating threats to US economic and military security. This threat is not principally from an inability to obtain or substitute for one or more critical components -- although that threat exists. Rather, the threat that China's rapid technological advances pose is that the US is quickly losing the superior products and supply chains that alone can compensate for China's far lower costs of production and far larger population.

China's Rapid Modernization of Services and Strategic Global Investments

For the first time, modernization of the services sector became an explicit and elaborate priority of China's leadership in the 11th Five-Year Development Plan that went into effect in 2006.²⁴ The result has been further enhancement of productivity throughout the economy and, with its focus on becoming a global hub for outsourcing, a reduction in China's already small global deficits in services. China's services trade deficit peaked at \$9.7 billion in 2004 and declined to perhaps \$7 billion in 2008.

The tiny size of these now declining services deficits should be emphasized, especially for theorists and self-interested lobbyists who continue to claim a postindustrial "new paradigm," with services or "intellectual property" (IP) dominating global commerce. China's entire 2008 global deficit in services trade was offset -- paid for -- in three months by its global surplus in footwear alone or by less than three weeks of its surplus in non-electrical machinery and computers.

China does not provide details of its global services trade and, importantly, US bilateral trade data have moved in the opposite direction as China's reported global trend. That is, the small US surplus in services trade with China fell from \$2 billion in 2001 to \$1.8 billion in 2004 but expanded

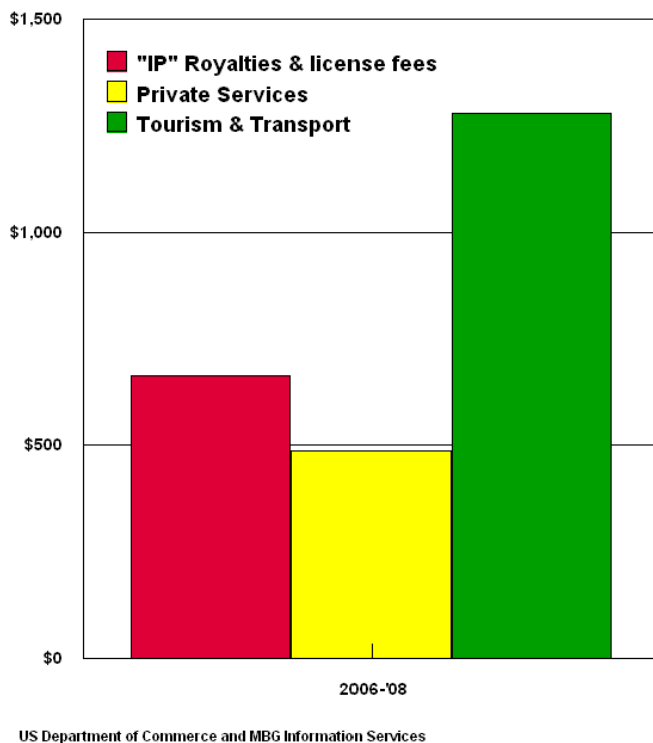
slightly each year since then to reach \$6.2 billion in 2008. The composition of this small US surplus is quite different from what is widely believed. Firms incorporated in the US, have long provided themselves and the US with substantial net foreign earnings through international services trade including tourism and transport.

The fastest rising components of the US surplus in services trade in recent years -- both globally and with China -- have been from a soaring "surplus" of foreign tourist spending in the US and a sharp reduction in the US deficit in passenger fares and other transportation costs, mostly related to port facilities.

The global US balance for tourism and transportation surged from a deficit of \$10.8 billion in 2006 to a surplus of \$17.7 billion in 2008. Although the US remains in overall deficit with China in tourism and transport, the deficit improved from \$1.534 billion in 2006 to a deficit of \$253 million in 2008 -- an improvement of \$1.3 billion. For the first time on record, in 2008 -- even with the Olympic celebrations in China --

US Services Trade Gains With China

\$Millions: Change in US balance with China, 2006-'08



Chinese visitors to the US spent more than US visitors to China.

Certainly the weakened value of the US dollar, asset deflation and the long, deepening recession has inhibited recent US tourist and business spending abroad, thereby aiding the sharp improvement in tourism and transport. But the surging size and prosperity of China's businesses and its middle class have spurred a massive increase in Chinese traveling abroad, including to the US.²⁵

²⁴ "China to promote outsourcing biz," Commerce Ministry of China, September 5, 2006.

²⁵ Li Xiang and Maggie Lee, "Group tour travelers set their sights on the US," *China Daily*, June 17,

Globally, although not yet with the US, the cost of China's soaring tourist spending abroad is more than offset by reductions in China's net payments for IP royalties and fees and other private services -- including education, finance, insurance, telecommunications, advertising, engineering, etc. Again, because China does not make available the details of its services trade, this can only be broadly deduced from the decline in its overall services deficit despite an evident surge in its foreign tourism and travel spending.

This key, global shift in IP and professional services earnings for China is the result of the increasing sophistication of China's large firms and their operations both within China and abroad. Chinese state-owned firms now have joint ventures to build, launch and manage vital communications and other satellites for countries key to US security: Nigeria, Brazil, Venezuela, Iran and Pakistan, and may soon be involved with a French satellite project.²⁶ The rapidly globalizing Industrial and Commercial Bank of China (ICBC,) now -- by far -- the world's largest bank by market capitalization, had 126 branches in 15 countries as of June 2008.²⁷ The Bank of China and others also now have a large, fast-growing and profitable presence abroad. China's telecommunications giant, Huawei, registered 1500 international patents in 2008, the most of any company in the world in route to \$22 billion in annual revenue -- 75% of which came from outside China.²⁸

As with other large, sophisticated Chinese firms, Huawei's strong growth has displaced sales and IP royalties from foreign-owned firms both inside China and abroad. Also as most other large Chinese companies that have followed policy encouragement to "go global," Huawei has won important contracts in Japan, the EU and the US but they are particularly focused in less-developed countries where their very low prices -- financing and *other* considerations -- have overcome the usual barriers to entry as they build up their brand along with the scope and level of their services. Even when China's large, newly sophisticated firms have not displaced foreign-owned firms, they often succeed in forcing those firms to dramatically lower their prices and IP fees, and/or to transfer more sophisticated products and services.

Because the data are unavailable it is not possible to be more precise about China's rapidly emerging global strength in IP and other professional services. But this is a vitally important area of US economic and military security that deserves significant, urgent attention.

For the US, net IP earnings from China, while very small, have continued rising each year from \$570 million in 2001 to \$1.5 billion in 2006 and \$2.1 billion in 2008. This is at least partially the automatic translation from a slightly weakening US dollar against the Yuan. It should also be noted that US net IP earnings worldwide in 2008 was \$63.3 billion of which China accounts for only 3.4%. As mentioned above, the US deficit with China for Advanced Technology Products in 2008 was \$72.7 billion so the combined US deficit with China in technology goods *and* services was \$70.6 billion.

For the first time on record, the small US surplus with China in business services other than tourism and transport declined in 2008 to \$4.3 billion from \$4.8 billion in 2007. Details are not yet available but this decline is likely due to large losses in insurance and finance which seem likely to worsen as Chinese insurance and finance expands rapidly in the US and US-based financial institutions such as A.I.G. and Citibank are forced to sell-off or greatly reduce their activities in China. Similar concerns exist for US firms providing telecommunications, engineering, management consulting, legal and other professional services and IP in China. The 2008 decline in these other business services earnings in China were greater than the gain in IP earnings. The rapid rise of China's IP and in these key business services deserve very significant ongoing attention.

2008. China permitted its first travel groups to begin visiting the US in the summer of 2008.

²⁶ Andy Pasztor, "China Nears Rocket Deal: Launch of Satellite for European Firm Is Likely to Vex U.S.," *Wall Street Journal*, February 24, 2009.

²⁷ *Xinhua*, "ICBC opens first branch in U.S.," October 16, 2008.

²⁸ Kathrin Hille and Andrew Parker, "Upwardly mobile -- Huawei," *Financial Times*, March 20, 2009.

Annual US Current Accounts With China Since China's WTO Admission
Soaring Debt Service Pmts Alone Far Exceed Small Gains for Intellectual Property

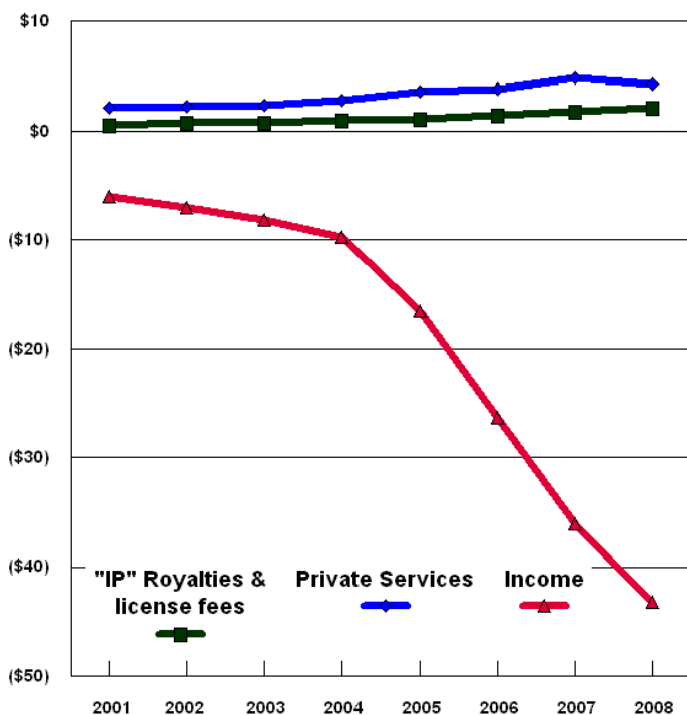
\$ Millions	2001	2008	Change
Balances on goods & services and income receipts.....	-\$87,283	-\$303,661	-\$216,378
Balances on goods and services.....	-81,290	-260,509	-179,219
Goods, balance of payments basis.....	-83,295	-266,681	-183,386
Services.....	2,005	6,172	4,167
Travel.....	-214	258	472
Passenger fares.....	133	202	69
Other transportation.....	-626	-713	-87
Royalties and license fees.....	570	2,121	1,551
Other private services.....	2,150	4,326	2,176
U.S. government miscellaneous services.....	-3	-6	-3
Income receipts/payments.....	-5,993	-43,152	-37,159
Income balances on assets.....	-5,758	-42,760	-37,002
Direct investment receipts/payments.....	1,610	6,139	4,529
Other private receipts/payments.....	-908	-3,117	-2,209
U.S. government receipts/payments.....	-6,460	-45,782	-39,322
Compensation of employees.....	-235	-392	-157
Unilateral current transfers, net.....	-1,374	-2,707	-1,333
U.S. government grants.....	0	-12	-12
U.S. government pensions and other transfers.....	-29	-8	21
Private remittances and other transfers.....	-1,345	-2,687	-1,342
Balance on current account.....	-\$88,657	-\$306,368	-\$217,711

US Department of Commerce, BEA and MBG Information Services

China's world record \$1.4 Trillion current account surpluses since 2001 has given it financial power far beyond now having the world's largest financial institutions. As now Secretary of State Hillary Clinton recently remarked regarding US relations with China, "...how do you get tough on your banker?"²⁹ Indeed, China's trade surpluses have provided enough accumulated foreign currency that even with an investment strategy clearly not intended to maximize short term returns, China now earns far more on its foreign investments than all foreign-owned companies and investors earn in China. In 2001 China's meager foreign investments earned \$19.2 billion less than was earned by foreign-based companies and investors in China. This changed quickly after joining the WTO with China recording its first global investment "surplus" of \$10.6 billion in 2005 and, soaring every year since, reached \$25.7 billion in 2007 and perhaps \$36 billion in 2008.

US-China Services & Investments

\$Billions: US balance of receipts & payments with China



US Department of Commerce and MBG Information Services

Even in 2001, US companies and investors in China earned \$6.0 billion less than Chinese investments earned in the US. But as China bought an estimated \$1 Trillion in low-yielding US Treasury bonds -- at least partially to support low US interest rates and to prevent further US dollar weakening -- the imbalance in investment earnings has worsened quickly. In 2008, US companies and investors earned a total of \$8.9 billion in China while Chinese investments and companies in the US earned \$52.0 billion -- six times more -- leaving the US with a record bilateral investment "deficit" of \$43.2 billion.

China's investment surplus with the US is larger than its global surplus as China has large and politically useful net investment payments to Taiwan and others.

As its capabilities have evolved, and now the global debt crisis offers China vast new opportunities, its investments -- always extremely secretive -- appear to be becoming far more active. Premier Wen Jiabao and other leaders have indicated that China, while patient and very cautious, will now begin to use its new wealth "more

efficiently," diversifying further out of US dollar assets and into more profitable ventures particularly related to nonrenewable natural resources and technology.³⁰

Many of China's key acquisitions -- particularly small strategic ones -- are unlikely to be reported. Nonetheless, in recent months, Chinese state-owned resources firms have begun to announce tens of billion of dollar in global investments and acquisitions of key reserves for oil, aluminum, iron

²⁹ Transcript, Sen. Clinton Addresses Democrats, *Washington Post*, February 5, 2007

³⁰ The best source to understand the scope and methods of China's investment policies remains the bipartisan US Congressional "Cox Commission" of 1998. See especially Chapter 1 available at <http://www.house.gov/coxreport/pdf/ch1.pdf> More recently, and far more narrowly, see Jamil Anderlini, "China forex fund finds safety in secrecy," *Financial Times*, March 15, 2009 and *Xinhua*, "China seeks 'more active' use of forex reserves," February 17, 2007.

ore, copper and other natural resources in Australia, the Middle East, Latin America and elsewhere. China's state-owned technology firms -- from semiconductors to telecom and from autos to aircraft -- have also stepped up their reported investment and acquisition efforts.³¹

Indeed, China has long sent delegations on "buying" missions to sign order contracts for carefully targeted goods and services in the US and elsewhere when trade deficits threatened to become a political issue. China now has begun to send out missions in search of investments and acquisitions. While many of China's acquisitions continue to be examined carefully for their longer term effects, in the current environment, companies and communities are often in such desperate need that immediate needs and political pressures preclude thoughtful assessment.³² As the scope and pattern of China's global acquisitions unfold over 2009 and beyond, it will be vitally important for US economic and military security that details become far more transparent and are widely known.

China's investment "surplus" is almost certain to soar even more rapidly in coming years than it has over the past seven years. This will add considerably to China's current account surplus -- and war chest of financial reserves -- or, at least offset part or all of any decline in China's massive trade surpluses. But far more important even than the amount of China's growth in net investment earnings is the strategic nature of those investments and the enhanced commercial and military power they convey.

Finally, China is accumulating massive net income, including perhaps \$55 billion in 2008 alone, from transactions described as "Transfers" in Current Accounts. Transfers are intended to represent funds sent home from immigrants working abroad, pensions sent to workers now living in another country, and government grants. Many Chinese working abroad long have sent part of their earnings to family still in China, providing China with an \$8.5 billion "surplus" of transfers in 2001. But this surplus soared to \$38.7 billion in 2007 and may have totaled \$55 billion in 2008.

Because there are no details available from China for these transactions, it is not possible to know precisely from where these transactions originate or what they entail. But China has become extremely active in recent years providing large construction crews and funding for massive projects abroad. For example, local businesses complained bitterly after four years of preparation for the 13th South Pacific Games that took place in Samoa in August 2007. "The entire games infrastructure has been designed by Chinese engineers, built by Chinese workers assisted by local Samoans with most building materials originating from China... Everything down to the chopsticks has been imported from China."³³ In recent years Chinese crews have designed and built a subway in Karachi, the tallest buildings in Moscow and Islamabad, the Prime Minister's office in Cambodia, 16 buildings for Saudi Arabia's King Khalid University in Riyadh, 20,000 homes in Venezuela, telecommunication networks, power stations and hundreds of miles of pipelines, roads and railroads in countries with key strategic importance to China.³⁴

³¹ David Barboza, "China Starts Investing Globally," *New York Times*, February 21, 2009. Kathrin Hille and Gerrit Wiesmann, "China talks give hope to insolvent Qimonda," *Financial Times*, March 16, 2009. Lex column, "China Mobile," *Financial Times*, March 19, 2009.

³² Lu Haoting, "Chinese firms seek to invest in Europe," *China Daily*, March 4, 2009 and "China as shopper: now it's companies," *Wall Street Journal*, March 5, 2009. China's attempt to buy a major interest in Australia's global mining conglomerate -- which also controls Kennecott Utah Copper -- faces major shareholder resistance. See Jeremy Lemer, Shyamantha Asokan and Steven Bernard, "Rio assets up for grabs?" *Financial Times*, February 12, 2009. There has been major disappointment that, thus far, China has refused immediately to buy major assets from A.I.G. See Sundeep Tucker, "China Life eyes AIG's Asian assets," *Financial Times*, February 26, 2009.

³³ Dev Nadkarni, "China aces Kiwis at South Pacific Games," *National Business Review: New Zealand*, August 24, 2007.

³⁴ A good overview is Jiang Wei, "Firms enter more business abroad," *China Daily*, April 6, 2006.

The very large scale and rapid growth of China's construction projects -- and work crews -- concentrated in countries of key strategic importance, also suggests the urgent need for more transparency and detailed information. These profitable projects not only add to China's soaring concentration of current financial resources but also could have significant effects on longer term US economic and military relations with key countries around the world.

Conclusions

Since China's accession to the WTO in 2001 there have been many profound and troubling changes in the pattern of US-China trade. Over the past seven years the most productive sectors of US industry have been broadly undermined by record trade losses, particularly with China, and unprecedented US foreign borrowing and asset sales has undermined current US financial independence, accumulating massive future obligations, particularly with China.

Despite soaring US domestic and foreign debt, global trade losses led to the worst record for production and jobs since the 1930s. Trade losses with China alone costs the US almost two million jobs, with over one million additional job losses just since 2001. Every US manufacturing sector lost a substantial portion of its jobs as did virtually every sector that is exposed to imports from China or offshore outsourcing. The US also lost its global surplus in Advanced Technology Products for the first time in 2002 with losses worsening since then. ATP deficits with China account for more than the total US losses and also for more than the total global surplus in Intellectual Property royalties and fees of US-incorporated firms.

At the same time, fueled by record global surpluses of production and trade, particularly with the US, China's modern productive and financial capacities soared, becoming far more diversified and less dependent on the US or on any set of industries. Even as China's economy grew at record rates four times faster than the US since 2001, it achieved record surpluses in virtually all modern manufacturing sectors.

China also began reducing its tiny global payment deficits for intellectual property and professional services even as Chinese tourists and business travelers began roaming the world in search of key assets to buy in the current global downturn. The war chest of foreign currencies created by China's trade surpluses and other activities already generates six times as much for China's investments in the US -- currently mostly low-yielding Treasury bonds -- as all earnings for US-incorporated companies and investors in China.

These development demonstrate clearly that the rapidly changing patterns of US-China trade since 2001 have already severely damaged US economic and military security interests and raise far more serious concerns for the immediate and longer-term future. US trade and economic policy toward China has made the US far less economically and militarily secure. These policies urgently need fundamental reform.

**China's Soaring Commercial and Financial Power:
How it is affecting the US and the World**

Charles W. McMillion

Appendix 1

China's Global Current Account Balances

Nearing \$1.4 Trillion in Surpluses since 2002

\$Millions	Goods	Services	Investments	Transfers	Current Account
1999	\$35,982	-\$5,341	-\$14,470	\$4,944	\$21,115
2000	34,474	-5,600	-14,666	6,311	20,519
2001	34,017	-5,933	-19,175	8,492	17,401
2002	44,167	-6,784	-14,946	12,984	35,422
2003	44,652	-8,573	-7,838	17,634	45,875
2004	58,982	-9,699	-3,523	22,898	68,659
2005	134,189	-9,391	10,635	25,386	160,818
2006	217,746	-8,834	15,156	29,199	253,267
2007	315,381	-7,905	25,689	38,668	371,833
2008e	356,000	-7,000	36,000	55,000	440,000
Seven Year Post-WTO Membership Totals: 2002 to 2008e					
2002-8	\$1,171,117	-\$58,185	\$61,173	\$201,770	\$1,375,875

International Monetary Fund and MBG Information Services

U.S. Current Account Balances With China

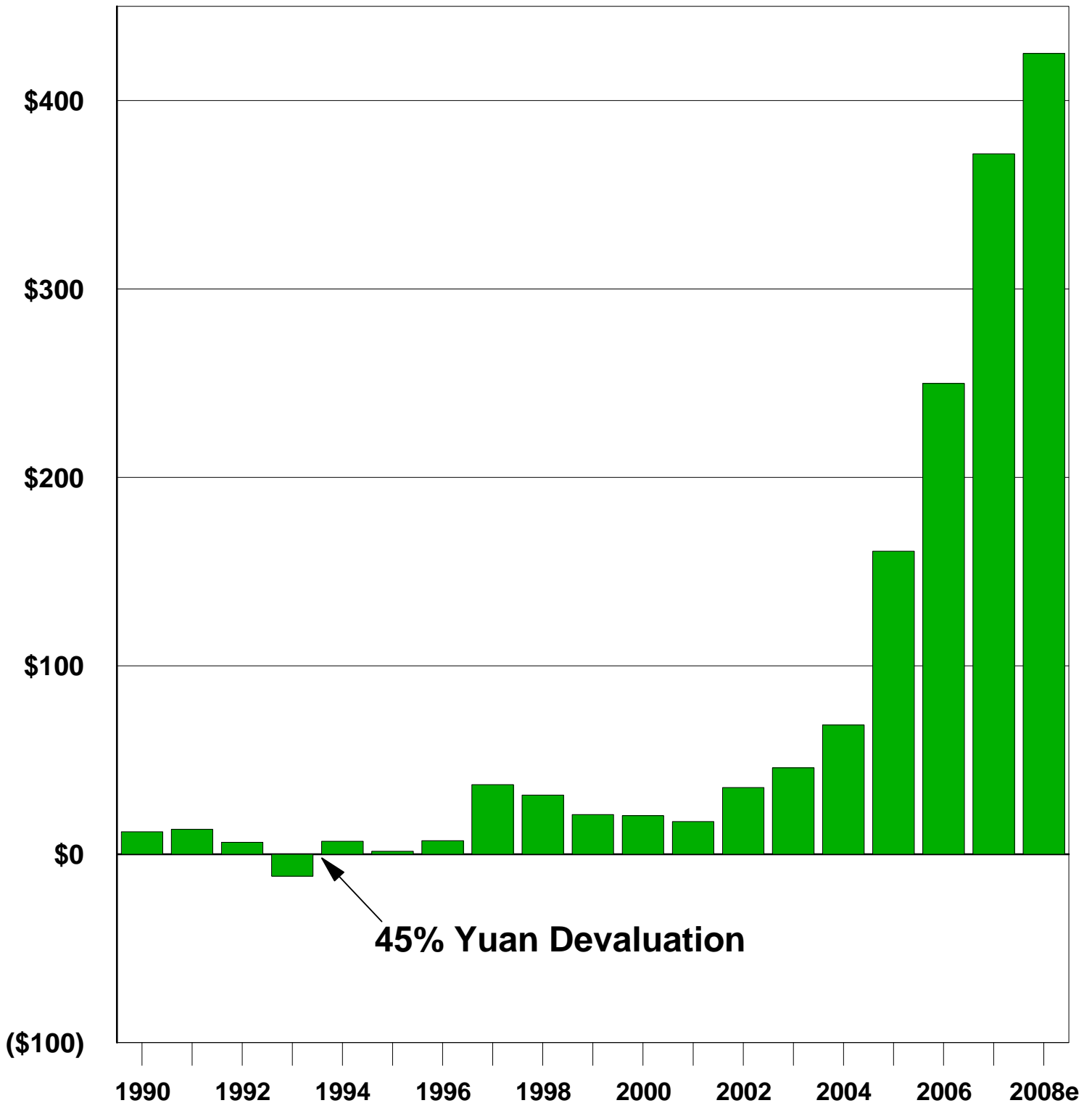
\$ Millions Each Year: Near -\$1.5 Trillion in Deficits since 2002

\$Millions	Goods	Services	Investments	Transfers	Current Account
1999	-\$68,793	\$1,334	-\$4,120	-\$1,164	-\$72,743
2000	-83,971	1,946	-4,718	-1,300	-88,043
2001	-83,295	2,005	-5,993	-1,374	-88,657
2002	-103,276	1,888	-6,984	-1,523	-109,894
2003	-124,384	2,038	-8,067	-1,399	-131,812
2004	-162,335	1,783	-10,253	-1,769	-172,574
2005	-202,087	2,437	-17,106	-1,851	-218,607
2006	-233,087	3,639	-26,695	-2,065	-258,207
2007	-256,612	5,414	-36,083	-2,422	-289,703
2008e	-266,333	5,000	-42,000	-3,200	-306,533
Seven Year Post-WTO Membership Totals: 2002 to 2008e					
2002-8	-\$1,348,114	\$22,199	-\$147,188	-\$14,229	-\$1,487,330

US Department of Commerce and MBG Information Services

China's Global Current Account Balance

\$ Billion: China's Annual Current Account Balance



Annual US Current Accounts With China Since China's WTO Admission
Soaring Debt Service Pmts Alone Far Exceed Small Gains for Intellectual Property

\$ Millions	2001	2008	Change
Balances on goods & services and income receipts.....	-\$87,283	-\$303,661	-\$216,378
Balances on goods and services.....	-81,290	-260,509	-179,219
Goods, balance of payments basis.....	-83,295	-266,681	-183,386
Services.....	2,005	6,172	4,167
Travel.....	-214	258	472
Passenger fares.....	133	202	69
Other transportation.....	-626	-713	-87
Royalties and license fees.....	570	2,121	1,551
Other private services.....	2,150	4,326	2,176
U.S. government miscellaneous services.....	-3	-6	-3
Income receipts/payments.....	-5,993	-43,152	-37,159
Income balances on assets.....	-5,758	-42,760	-37,002
Direct investment receipts/payments.....	1,610	6,139	4,529
Other private receipts/payments.....	-908	-3,117	-2,209
U.S. government receipts/payments.....	-6,460	-45,782	-39,322
Compensation of employees.....	-235	-392	-157
Unilateral current transfers, net.....	-1,374	-2,707	-1,333
U.S. government grants.....	0	-12	-12
U.S. government pensions and other transfers.....	-29	-8	21
Private remittances and other transfers.....	-1,345	-2,687	-1,342
Balance on current account.....	-\$88,657	-\$306,368	-\$217,711

US Department of Commerce, BEA and MBG Information Services

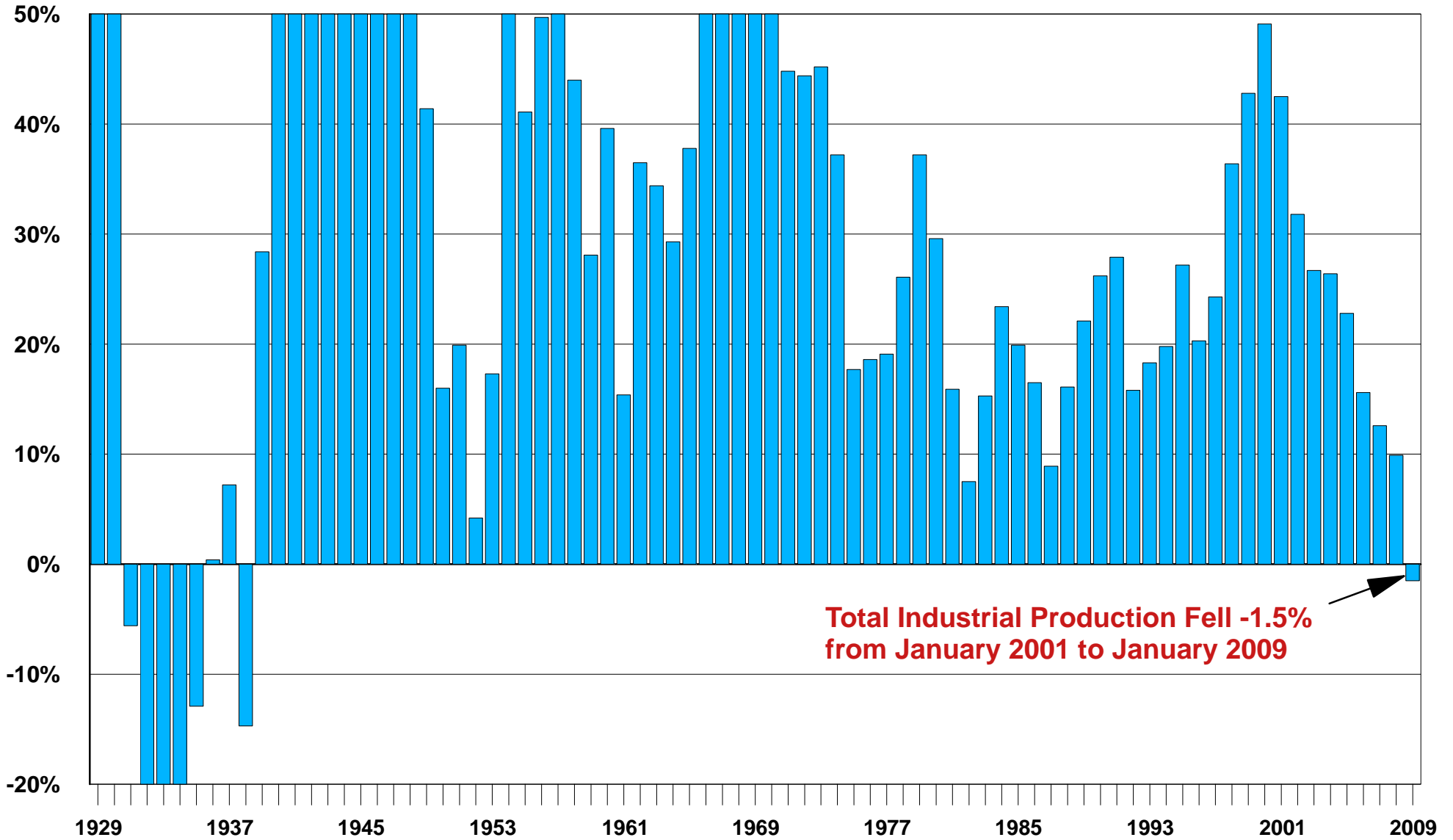
1.94 Million More US Jobs Lost than Gained From Trade Imbalance With China

States	Population		Trade Deficits With China*		Jobs Lost to China Deficits**		
	2001	2008	2001	2008	2001	2008	Change
			<i>\$Millions</i>				
US Totals.....	285,039,803	304,059,724	-\$83,096	-\$266,333	-889,127	-1,936,239	-1,047,112
Alabama.....	4,462,832	4,661,900	-1,301	-4,083	-13,921	-29,687	-15,766
Alaska.....	633,160	686,293	-185	-601	-1,975	-4,370	-2,395
Arizona.....	5,303,632	6,500,180	-1,546	-5,694	-16,544	-41,393	-24,849
Arkansas.....	2,689,601	2,855,390	-784	-2,501	-8,390	-18,183	-9,793
California.....	34,507,030	36,756,666	-10,060	-32,196	-107,638	-234,065	-126,427
Colorado.....	4,431,918	4,939,456	-1,292	-4,327	-13,825	-31,454	-17,630
Connecticut.....	3,428,208	3,501,252	-999	-3,067	-10,694	-22,296	-11,602
Delaware.....	794,498	873,092	-232	-765	-2,478	-5,560	-3,082
District of Columbia..	577,678	591,833	-168	-518	-1,802	-3,769	-1,967
Florida.....	16,340,734	18,328,340	-4,764	-16,054	-50,972	-116,714	-65,742
Georgia.....	8,418,592	9,685,744	-2,454	-8,484	-26,260	-61,678	-35,418
Hawaii.....	1,217,955	1,288,198	-355	-1,128	-3,799	-8,203	-4,404
Idaho.....	1,320,732	1,523,816	-385	-1,335	-4,120	-9,704	-5,584
Illinois.....	12,510,596	12,901,563	-3,647	-11,301	-39,024	-82,157	-43,132
Indiana.....	6,123,942	6,376,792	-1,785	-5,586	-19,102	-40,607	-21,505
Iowa.....	2,929,294	3,002,555	-854	-2,630	-9,137	-19,120	-9,983
Kansas.....	2,701,346	2,802,134	-788	-2,454	-8,426	-17,844	-9,418
Kentucky.....	4,066,442	4,269,245	-1,185	-3,740	-12,684	-27,186	-14,502
Louisiana.....	4,460,395	4,410,796	-1,300	-3,864	-13,913	-28,088	-14,174
Maine.....	1,284,663	1,316,456	-375	-1,153	-4,007	-8,383	-4,376
Maryland.....	5,375,659	5,633,597	-1,567	-4,935	-16,768	-35,874	-19,106
Massachusetts.....	6,407,269	6,497,967	-1,868	-5,692	-19,986	-41,379	-21,393
Michigan.....	10,004,341	10,003,422	-2,917	-8,762	-31,207	-63,701	-32,495
Minnesota.....	4,982,339	5,220,393	-1,452	-4,573	-15,541	-33,243	-17,702
Mississippi.....	2,853,061	2,938,618	-832	-2,574	-8,900	-18,713	-9,813
Missouri.....	5,641,994	5,911,605	-1,645	-5,178	-17,599	-37,645	-20,046
Montana.....	905,854	967,440	-264	-847	-2,826	-6,161	-3,335
Nebraska.....	1,717,705	1,783,432	-501	-1,562	-5,358	-11,357	-5,999
Nevada.....	2,093,973	2,600,167	-610	-2,278	-6,532	-16,558	-10,026
New Hampshire.....	1,256,625	1,315,809	-366	-1,153	-3,920	-8,379	-4,459
New Jersey.....	8,490,942	8,682,661	-2,475	-7,605	-26,486	-55,291	-28,805
New Mexico.....	1,828,330	1,984,356	-533	-1,738	-5,703	-12,636	-6,933
New York.....	19,088,220	19,490,297	-5,565	-17,072	-59,542	-124,113	-64,571
North Carolina.....	8,199,913	9,222,414	-2,390	-8,078	-25,578	-58,728	-33,150
North Dakota.....	636,211	641,481	-185	-562	-1,985	-4,085	-2,100
Ohio.....	11,391,298	11,485,910	-3,321	-10,061	-35,533	-73,142	-37,609
Oklahoma.....	3,463,387	3,642,361	-1,010	-3,190	-10,803	-23,194	-12,391
Oregon.....	3,470,716	3,790,060	-1,012	-3,320	-10,826	-24,135	-13,309
Pennsylvania.....	12,284,522	12,448,279	-3,581	-10,904	-38,319	-79,270	-40,951
Rhode Island.....	1,058,065	1,050,788	-308	-920	-3,300	-6,691	-3,391
South Carolina.....	4,061,844	4,479,800	-1,184	-3,924	-12,670	-28,527	-15,857
South Dakota.....	758,705	804,194	-221	-704	-2,367	-5,121	-2,754
Tennessee.....	5,753,497	6,214,888	-1,677	-5,444	-17,947	-39,576	-21,629
Texas.....	21,333,928	24,326,974	-6,219	-21,309	-66,547	-154,913	-88,366
Utah.....	2,291,066	2,736,424	-668	-2,397	-7,147	-17,425	-10,279
Vermont.....	612,134	621,270	-178	-544	-1,909	-3,956	-2,047
Virginia.....	7,188,251	7,769,089	-2,096	-6,805	-22,422	-49,473	-27,051
Washington.....	5,987,181	6,549,224	-1,745	-5,737	-18,676	-41,705	-23,029
West Virginia.....	1,798,540	1,814,468	-524	-1,589	-5,610	-11,554	-5,944
Wisconsin.....	5,408,061	5,627,967	-1,577	-4,930	-16,869	-35,839	-18,969
Wyoming.....	492,924	532,668	-144	-467	-1,538	-3,392	-1,854

* trade balances are estimated as portion of population ** job losses are calculated from lost value added
 US Department of Commerce and MBG Information Services

First 8-Year Loss of Industrial Production Since the Depression

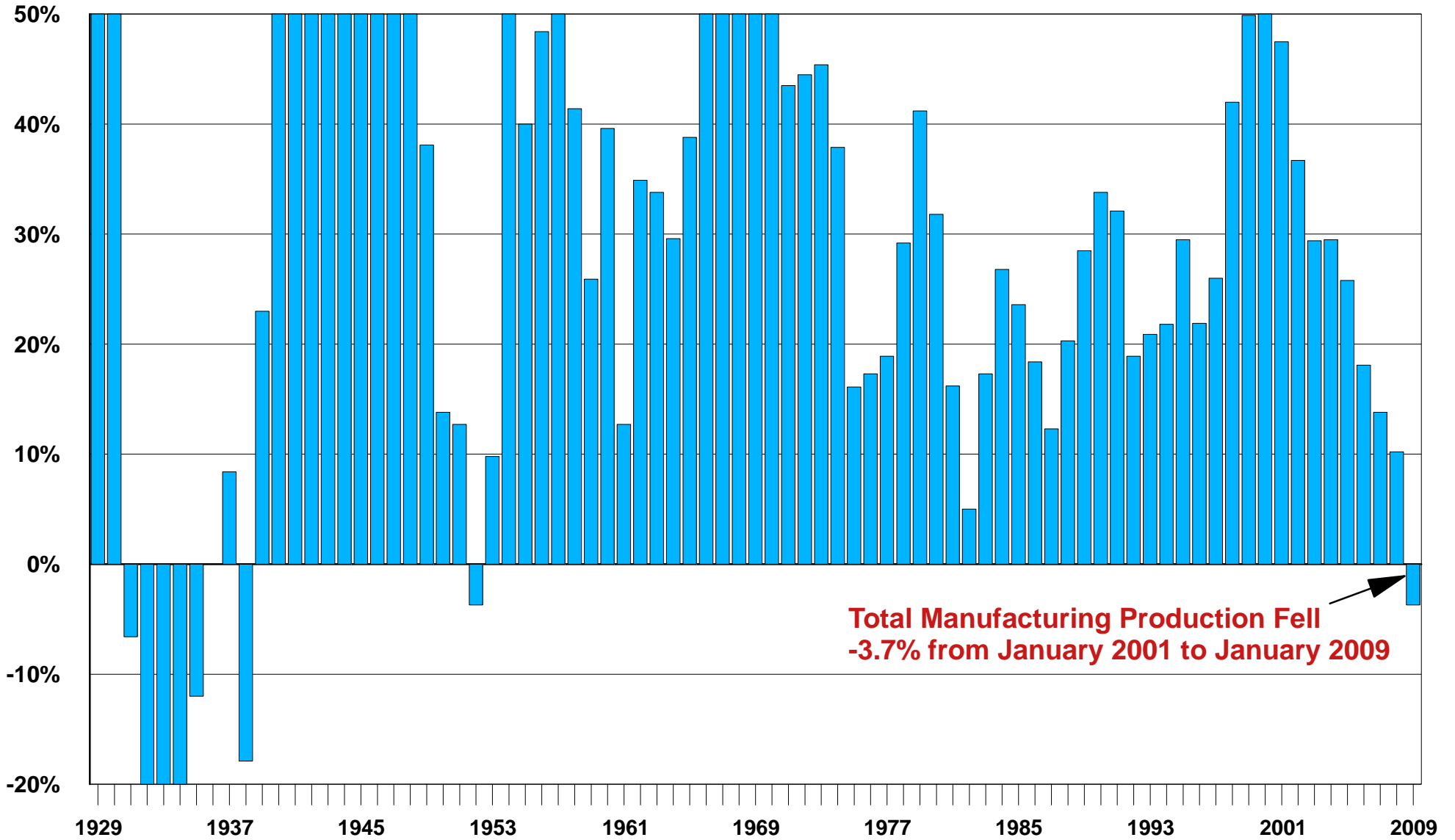
% Change in total Industrial Production: 8-Yrs Ending January each year



Total Industrial Production Fell -1.5% from January 2001 to January 2009

First 8-Year Loss of Manufacturing Production Since WWII's End

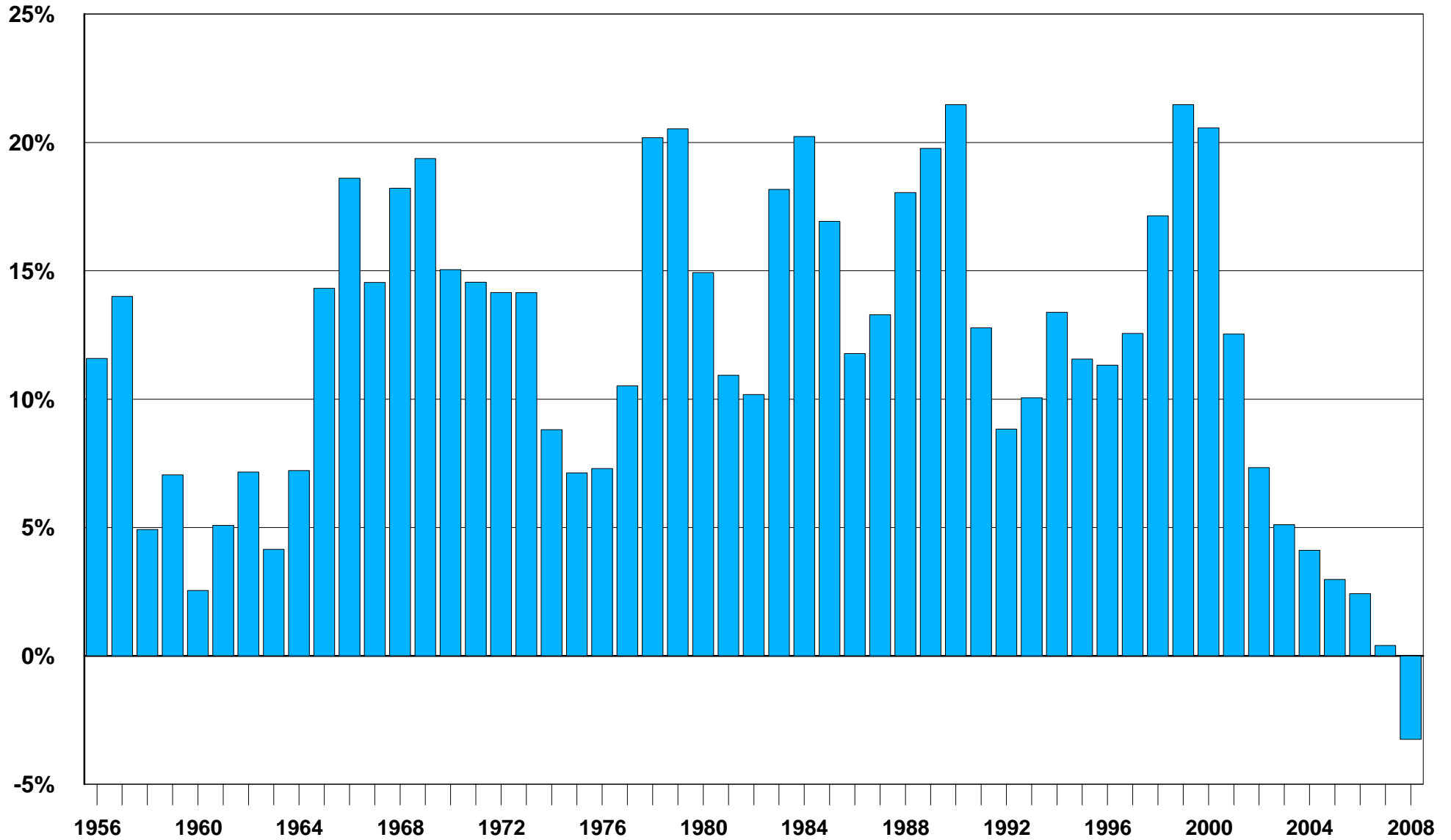
% Change in total Industrial Production: 8-Yrs Ending January each year



**Total Manufacturing Production Fell
-3.7% from January 2001 to January 2009**

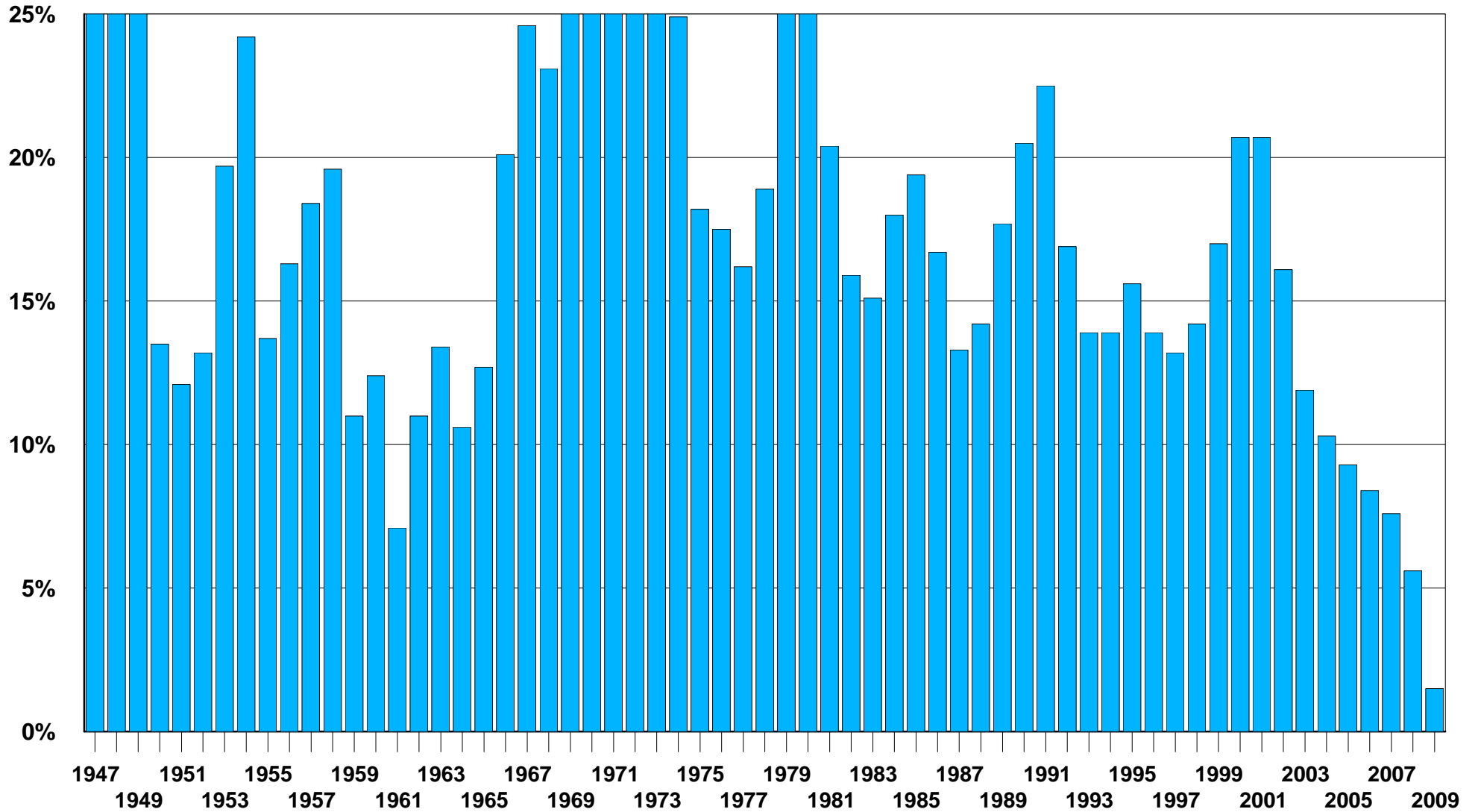
First 8-Year Decline in Total Hours Worked Since the Depression

% Change in total hours worked in non-farm business: eight years ending in Q4 of each year



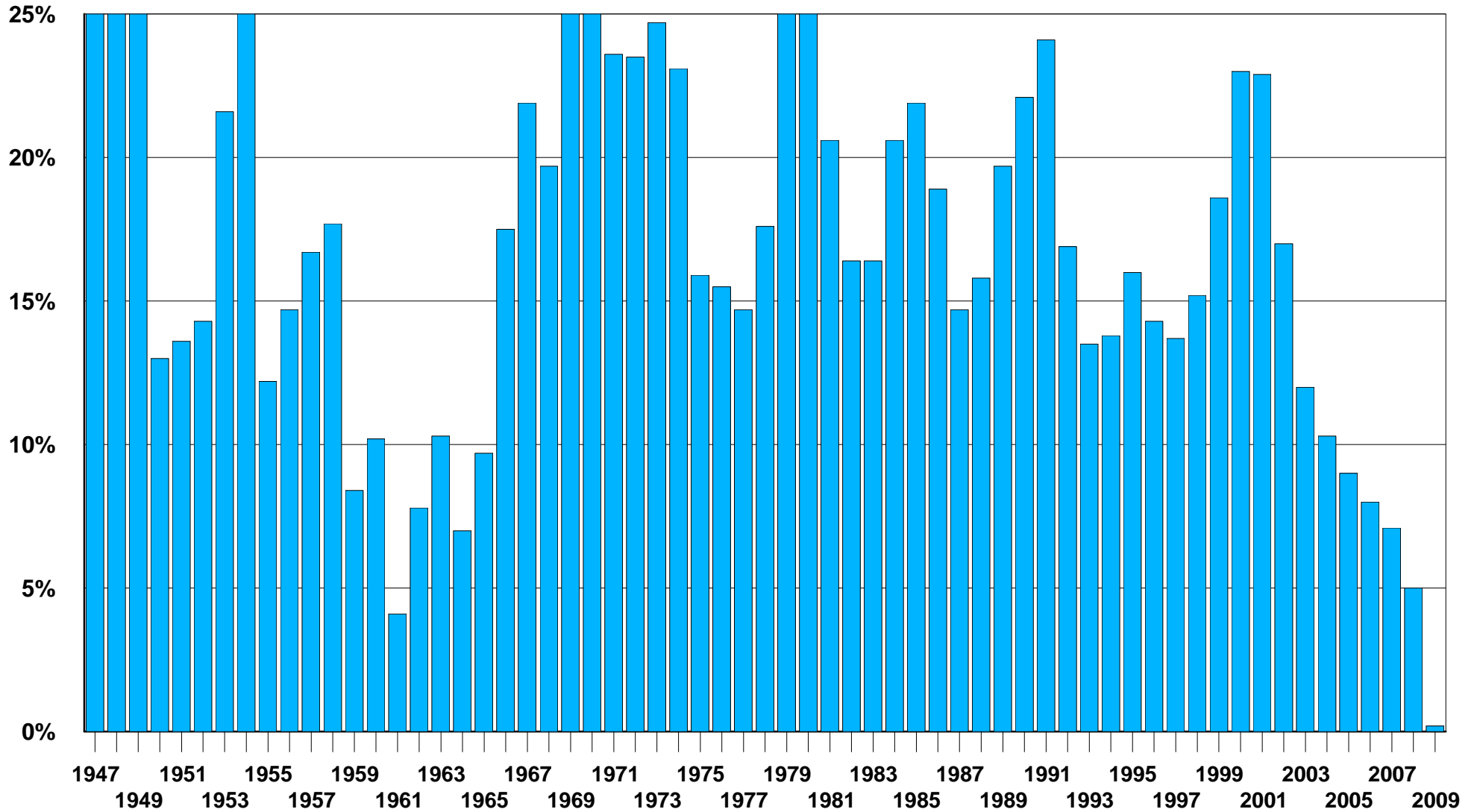
Worst 8-Year US Job Growth Since 1927-1935

% US Job Growth: Eight Years Ending January Each Year



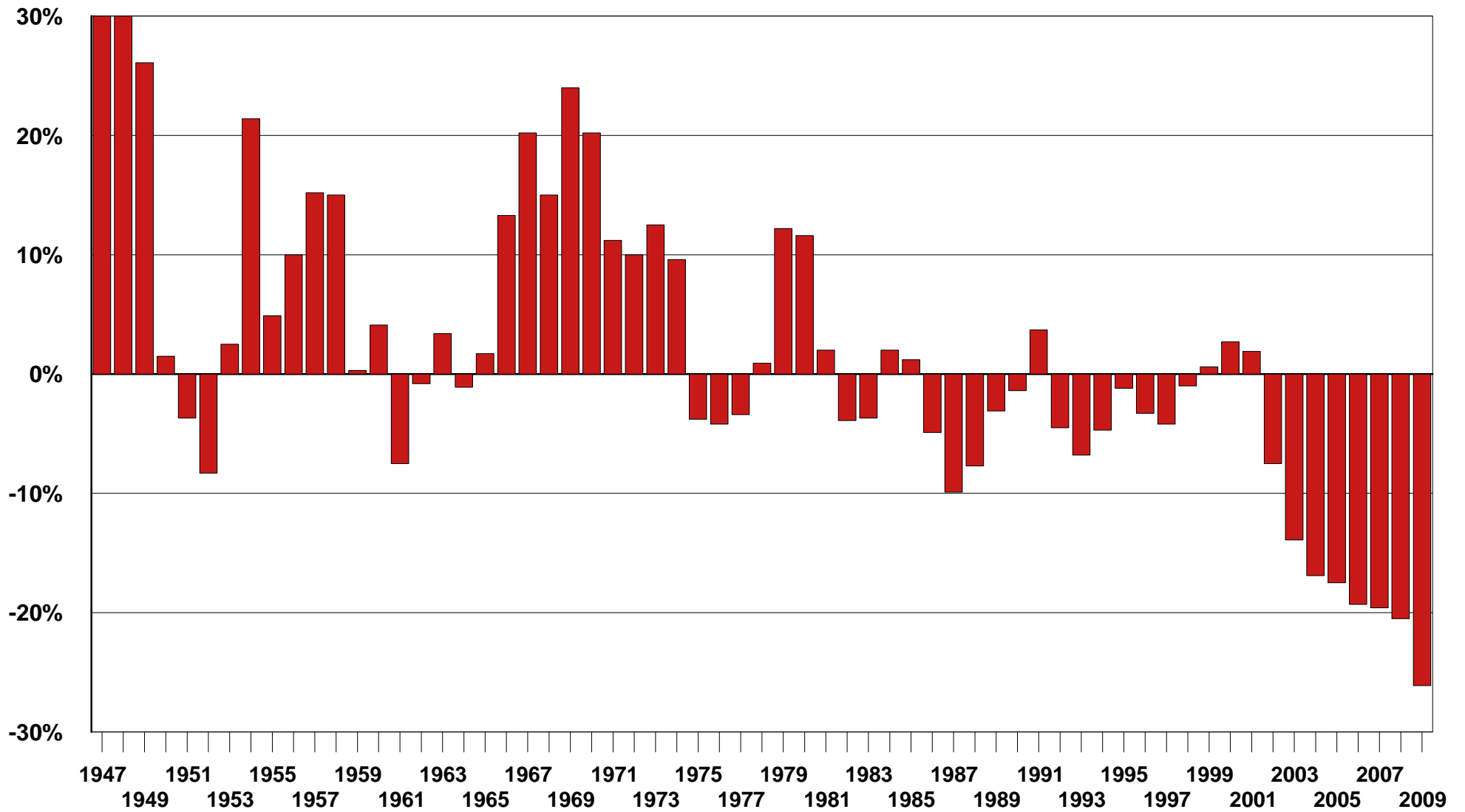
Worst 8-Year Private Sector Job Growth Since 1927-1935

% US Private Sector Job Growth: Eight Years Ending January Each Year



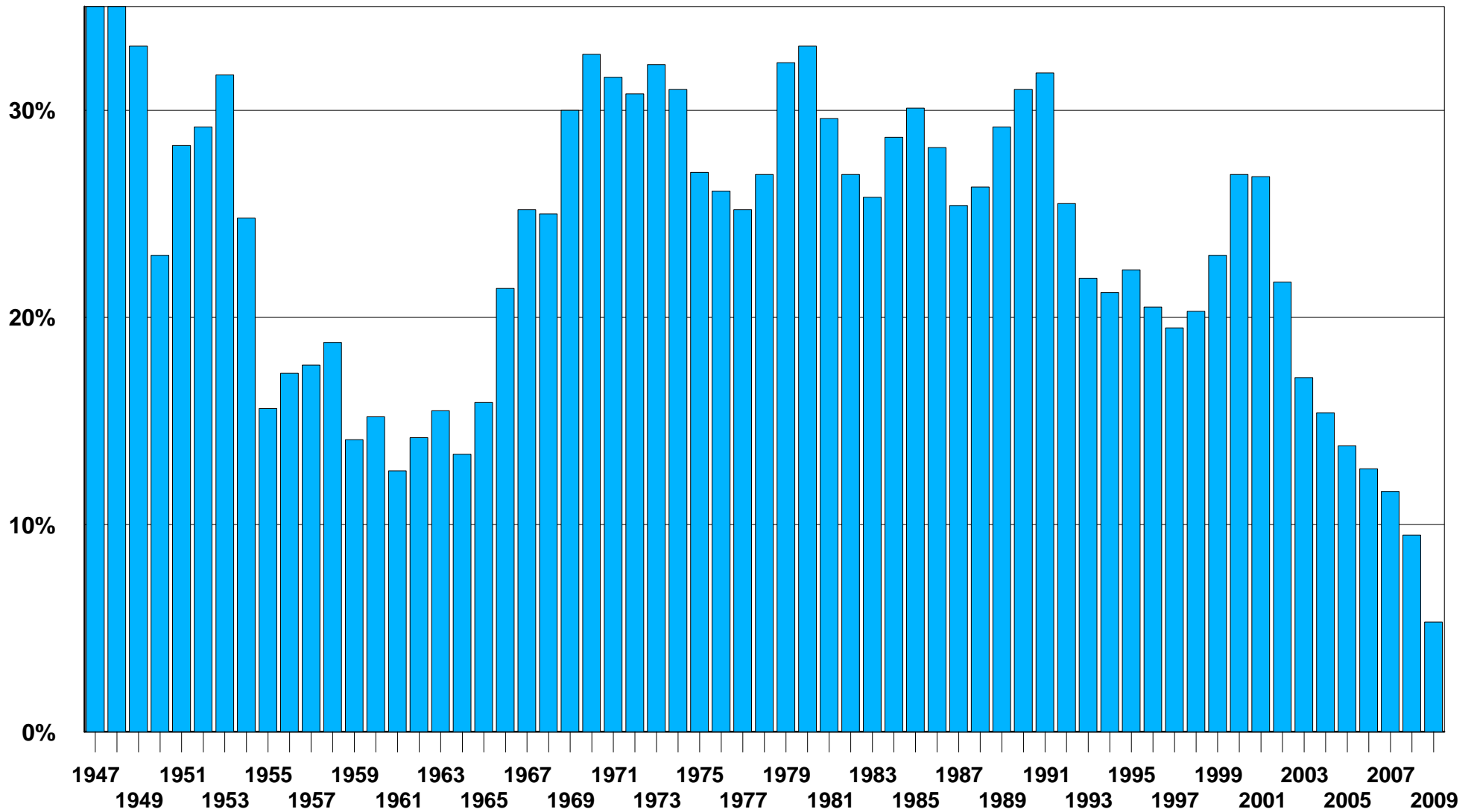
8-Year Plunge of Manufacturing Jobs; Worst Since 1933-Q1

% US Manufacturing Job Growth or Loss: Eight Years Ending January Each Year



Worst 8-Years For Private Sector Service Jobs Since 1927-1935

% Growth of US Jobs in Private Service Providing Sectors: Eight Years Ending January Each Year



© C. McMillion/MBG Information Services

The Last 8-year Had the Worst Jobs Record Since 1927-1935

Private Sector Added only 0.2 Million Jobs with the loss of -1.2 Million Supervisory Jobs

Industry: Nonfarm Jobs (1,000)	January 2001	January 2009	Change: Jan. 2001 to Jan. 2009 (Thousands)	(Percent)
Total nonfarm.....	132,469	134,419	1,950	1.5%
Total private.....	111,634	111,856	222	0.2%
Total private supervisory.....	20,875	19,673	-1202	-5.8%
Total private non-supervisory.....	90,759	92,183	1,424	1.6%
Goods-producing.....	24,543	20,153	-4390	-17.9%
Goods-producing supervisory.....	6,543	5,456	-1087	-16.6%
Goods-producing non-supervisory.....	18,000	14,697	-3303	-18.4%
Service-providing.....	107,926	114,266	6,340	5.9%
Private Service-providing.....	87,091	91,703	4,612	5.3%
Private Services supervisory.....	14,332	14,217	-115	-0.8%
Private Services non-supervisory.....	72,759	77,486	4,727	6.5%
Mining and logging.....	605.0	785	180	29.8%
Logging.....	76.3	56.4	-20	-26.1%
Mining.....	528.3	728.9	201	38.0%
Oil and gas extraction.....	123.5	168.7	45	36.6%
Mining, except oil and gas.....	219.2	228.1	9	4.1%
Coal mining.....	71.3	85	14	19.2%
Support activities for mining.....	185.6	332.1	147	78.9%
Construction.....	6,824.0	6,723	-101	-1.5%
Construction of buildings.....	1,594.5	1,535.1	-59	-3.7%
Residential building.....	782.8	753.9	-29	-3.7%
Nonresidential building.....	811.7	781.2	-31	-3.8%
Heavy & civil engineering construction.....	945.8	929	-17	-1.8%
Specialty trade contractors.....	4,283.3	4,258.7	-25	-0.6%
Residential specialty contractor.....	1,818.2	1,841.8	24	1.3%
Nonresidential specialty contractor.....	2,465.1	2,416.9	-48	-2.0%
Manufacturing.....	17,114.0	12,645	-4469	-26.1%
Supervisory workers.....	4,878.0	3,686	-1192	-24.4%
Non-supervisory workers.....	12,236.0	8,959	-3277	-26.8%
Durable goods.....	10,813.0	7,879	-2934	-27.1%
Supervisory workers.....	3,255.0	2,417	-838	-25.7%
Non-supervisory workers.....	7,558.0	5,462	-2096	-27.7%
Wood products.....	587.7	400.6	-187	-31.8%
Nonmetallic mineral products.....	556.0	433.5	-123	-22.0%
Primary metals.....	607.7	407.9	-200	-32.9%
Fabricated metal products.....	1,759.2	1,424.4	-335	-19.0%
Machinery.....	1,452.7	1,125.2	-328	-22.5%
Computer and electronic products.....	1,871.3	1,213.3	-658	-35.2%
Computer and peripheral equipment.....	304.6	180.4	-124	-40.8%
Communications equipment.....	246.0	129.6	-116	-47.3%
Semiconductors and electronic components...	714.0	410.5	-304	-42.5%

© C. McMillion/MBG Information Services

The Last 8-year Had the Worst Jobs Record Since 1927-1935

Private Sector Added only 0.2 Million Jobs with the loss of -1.2 Million Supervisory Jobs

Industry: Nonfarm Jobs (1,000)	January 2001	January 2009	Change: Jan. 2001 to Jan. 2009 (Thousands)	(Percent)
Electronic instruments.....	491.1	433.9	-57	-11.6%
Electrical equipment and appliances.....	582.6	407.4	-175	-30.1%
Transportation equipment.....	1,991.6	1,425.5	-566	-28.4%
Motor vehicles and parts.....	1,249.4	712.5	-537	-43.0%
Furniture and related products.....	676.6	428.9	-248	-36.6%
Miscellaneous manufacturing.....	727.5	612.0	-116	-15.9%
Nondurable goods.....	6,301.0	4,766	-1535	-24.4%
Supervisory workers.....	1,623.0	1,269	-354	-21.8%
Non-supervisory workers.....	4,678.0	3,497	-1181	-25.2%
Food manufacturing.....	1,554.2	1,472.7	-82	-5.2%
Beverages and tobacco products.....	209.6	194.0	-16	-7.4%
Textile mills.....	364.7	134.0	-231	-63.3%
Textile product mills.....	224.9	138.6	-86	-38.4%
Apparel.....	456.6	179.6	-277	-60.7%
Leather and allied products.....	63.4	32.4	-31	-48.9%
Paper and paper products.....	598.5	427.7	-171	-28.5%
Printing and related support activities.....	798.2	559.2	-239	-29.9%
Petroleum and coal products.....	121.4	114.2	-7	-5.9%
Chemicals.....	976.8	833.6	-143	-14.7%
Plastics and rubber products.....	932.3	680.1	-252	-27.1%
Trade, transportation, and utilities.....	26,259.0	25,739	-520	-2.0%
Wholesale trade.....	5,860.2	5,819.3	-41	-0.7%
Durable goods.....	3,201.5	2,957.8	-244	-7.6%
Nondurable goods.....	2,048.1	2,013.5	-35	-1.7%
Electronic markets; agents/brokers.....	610.6	848	237	38.9%
Retail trade.....	15,360.3	14,999.4	-361	-2.3%
Motor vehicle and parts dealers.....	1,856.2	1,731.6	-125	-6.7%
Automobile dealers.....	1,222.3	1,089.2	-133	-10.9%
Furniture and home furnishings stores.....	548.2	506.8	-41	-7.6%
Electronics and appliance stores.....	569.2	540.3	-29	-5.1%
Building material/garden supply stores.....	1,149.7	1,217.6	68	5.9%
Food and beverage stores.....	2,975.5	2,834.1	-141	-4.8%
Health and personal care stores.....	947.4	985.3	38	4.0%
Gasoline stations.....	931.9	833	-99	-10.6%
Clothing and accessories stores.....	1,333.0	1,449.3	116	8.7%
Sporting goods, hobby, book, music stores.....	698.4	620.3	-78	-11.2%
General merchandise stores.....	2,840.5	3,038.7	198	7.0%
Department stores.....	1,765.5	1,531.8	-234	-13.2%
Miscellaneous store retailers.....	1,013.7	820	-194	-19.1%
Nonstore retailers.....	496.6	422.4	-74	-14.9%

© C. McMillion/MBG Information Services

The Last 8-year Had the Worst Jobs Record Since 1927-1935

Private Sector Added only 0.2 Million Jobs with the loss of -1.2 Million Supervisory Jobs

Industry: Nonfarm Jobs (1,000)	January	January	Change: Jan. 2001 to Jan. 2009	
	2001	2009	(Thousands)	(Percent)
Transportation and warehousing.....	4,438.8	4,351.3	-88	-2.0%
Air transportation.....	631.8	476.8	-155	-24.5%
Rail transportation.....	229.1	227.5	-2	-0.7%
Water transportation.....	55.0	59.9	5	8.9%
Truck transportation.....	1,407.0	1,316.0	-91	-6.5%
Transit & ground passenger transport.....	372.3	408.4	36	9.7%
Pipeline transportation.....	46.0	43.2	-3	-6.1%
Scenic and sightseeing transport.....	30.2	26.9	-3	-10.9%
Support activities for transport.....	546.5	571.7	25	4.6%
Couriers and messengers.....	599.7	564.2	-36	-5.9%
Warehousing and storage.....	521.1	656.7	136	26.0%
Utilities.....	599.7	568.8	-31	-5.2%
Information.....	3,709.0	2,921	-788	-21.2%
Publishing industries, except Internet.....	1,045.7	848.4	-197	-18.9%
Motion picture and sound recording.....	384.1	373.3	-11	-2.8%
Broadcasting, except Internet.....	346.2	307	-39	-11.3%
Telecommunications.....	1,455.3	999.6	-456	-31.3%
Data processing, hosting and related.....	318.9	256.6	-62	-19.5%
Other information services.....	159.1	136	-23	-14.5%
Financial activities.....	7,755.0	7,958	203	2.6%
Finance and insurance.....	5,717.5	5,891.1	174	3.0%
Monetary authorities - central bank.....	22.8	21.1	-2	-7.5%
Credit intermediation and related.....	2,547.9	2,667.7	120	4.7%
Depository credit intermediation.....	1,677.3	1,800.4	123	7.3%
Commercial banking.....	1,240.6	1,348.5	108	8.7%
Securities, commodity, investments.....	838.1	824.1	-14	-1.7%
Insurance carriers, related activities.....	2,226.2	2,288.2	62	2.8%
Funds, trusts, other financial vehicles.....	82.5	90	8	9.1%
Real estate and rental/leasing.....	2,037.3	2,066.6	29	1.4%
Real estate.....	1,335.7	1,446.0	110	8.3%
Rental and leasing services.....	672.8	592.3	-81	-12.0%
Lessors of nonfinancial intangibles.....	28.8	28.3	-1	-1.7%
Professional and business services.....	16,828.0	17,222	394	2.3%
Professional and technical services.....	6,899.0	7,763.5	865	12.5%
Legal services.....	1,074.3	1,154.4	80	7.5%
Accounting and bookkeeping.....	878.1	923.2	45	5.1%
Architectural and engineering.....	1,272.8	1,413.3	141	11.0%
Computer systems design and related.....	1,328.4	1,463.6	135	10.2%
Management and technical consulting.....	712.9	1,026.6	314	44.0%
Management of companies and enterprises.....	1,804.9	1,875.8	71	3.9%
Administrative and waste services.....	8,124.0	7,582.7	-541	-6.7%
Administrative and support services.....	7,808.4	7,219.2	-589	-7.5%

© C. McMillion/MBG Information Services

The Last 8-year Had the Worst Jobs Record Since 1927-1935

Private Sector Added only 0.2 Million Jobs with the loss of -1.2 Million Supervisory Jobs

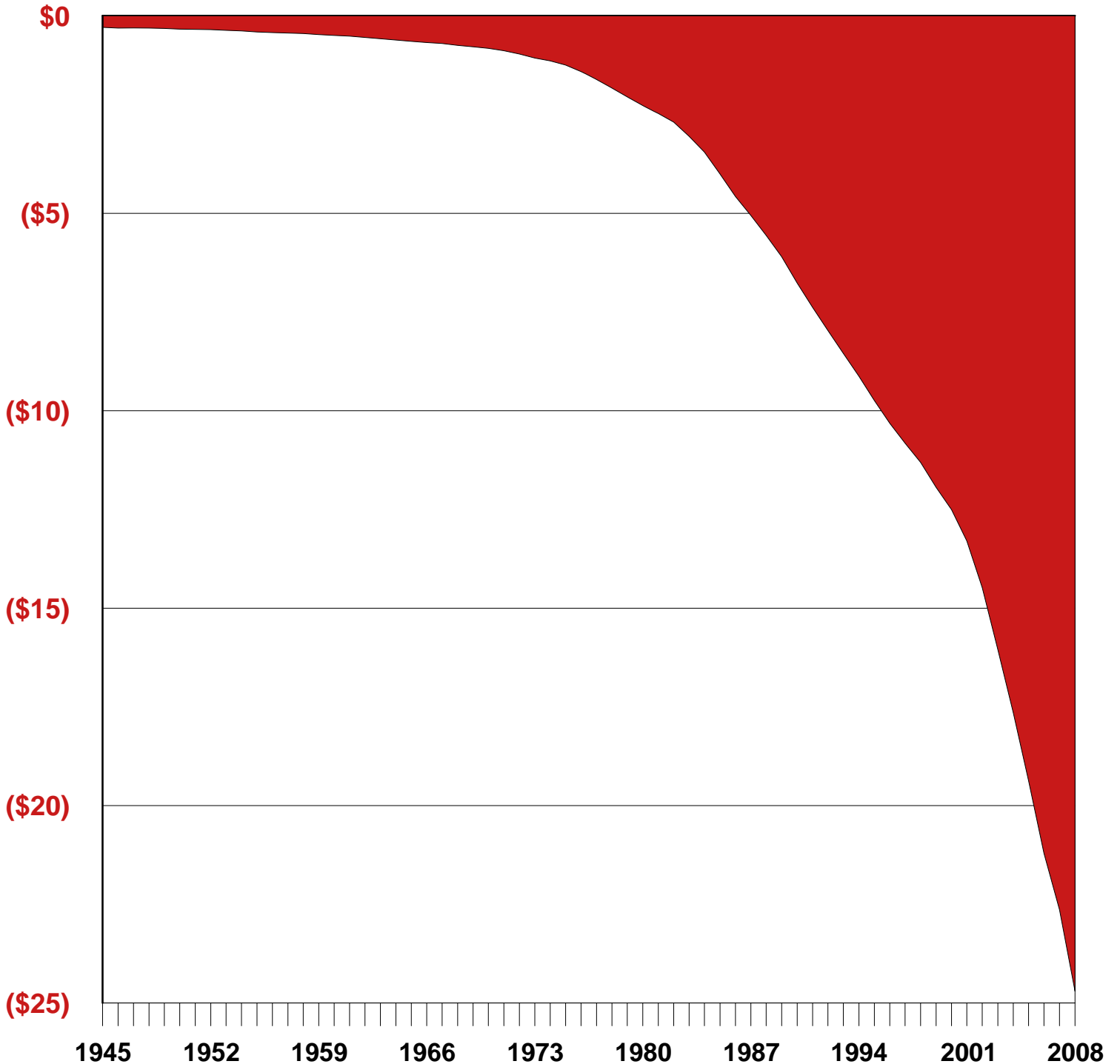
Industry: Nonfarm Jobs (1,000)	January	January	Change: Jan. 2001 to Jan. 2009	
	2001	2009	(Thousands)	(Percent)
Employment services.....	3,763.1	2,734.9	-1028	-27.3%
Temporary help services.....	2,564.0	1,975.6	-588	-22.9%
Business support services.....	785.3	816.9	32	4.0%
Services to buildings and dwellings.....	1,598.5	1,816.8	218	13.7%
Waste management and remediation.....	315.6	363.5	48	15.2%
Education and health services.....	15,359.0	19,123	3,764	24.5%
Educational services.....	2,446.7	3,083.4	637	26.0%
Health care and social assistance.....	12,912.2	16,039.8	3,128	24.2%
Health care.....	11,012.8	13,496.1	2,483	22.5%
Ambulatory health care services.....	4,389.8	5,755.2	1,365	31.1%
Offices of physicians.....	1,878.3	2,302.1	424	22.6%
Outpatient care centers.....	393.3	537.8	145	36.7%
Home health care services.....	628.8	982.1	353	56.2%
Hospitals.....	3,995.8	4,712.5	717	17.9%
Nursing and residential care facilities.....	2,627.2	3,028.4	401	15.3%
Nursing care facilities.....	1,529.3	1,615.8	87	5.7%
Social assistance.....	1,899.4	2,543.7	644	33.9%
Child day care services.....	701.3	865.6	164	23.4%
Leisure and hospitality.....	11,977.0	13,275	1,298	10.8%
Arts, entertainment, and recreation.....	1,798.5	1,945.0	147	8.1%
Performing arts and spectator sports.....	377.5	403.6	26	6.9%
Museums, historical sites, zoos & parks.....	112.9	130.9	18	15.9%
Amusements, gambling, & recreation.....	1,308.1	1,410.5	102	7.8%
Accommodations and food services.....	10,178.4	11,329.9	1,152	11.3%
Accommodations.....	1,895.4	1,775.2	-120	-6.3%
Food services and drinking places.....	8,283.0	9,554.7	1,272	15.4%
Other services.....	5,204.0	5,465	261	5.0%
Repair and maintenance.....	1,261.9	1,187.8	-74	-5.9%
Personal and laundry services.....	1,255.5	1,314.7	59	4.7%
Membership assocs & organizations.....	2,686.3	2,962.8	277	10.3%
Government.....	20,835.0	22,563	1,728	8.3%
Federal.....	2,753.0	2,794	41	1.5%
Federal, except U.S. Postal Service.....	1,873.6	2,065.7	192	10.3%
U.S. Postal Service.....	879.6	728.4	-151	-17.2%
State government.....	4,805.0	5,193	388	8.1%
State government education.....	2,027.0	2,383.9	357	17.6%
State government, ex education.....	2,777.9	2,809.1	31	1.1%
Local government.....	13,277.0	14,576	1,299	9.8%
Local government education.....	7,384.7	8,075.2	691	9.4%
Local government, ex education.....	5,892.1	6,500.8	609	10.3%

U.S. Dept. of Labor, BLS and MBG Information Services

"www.mbginfosvcs.com"

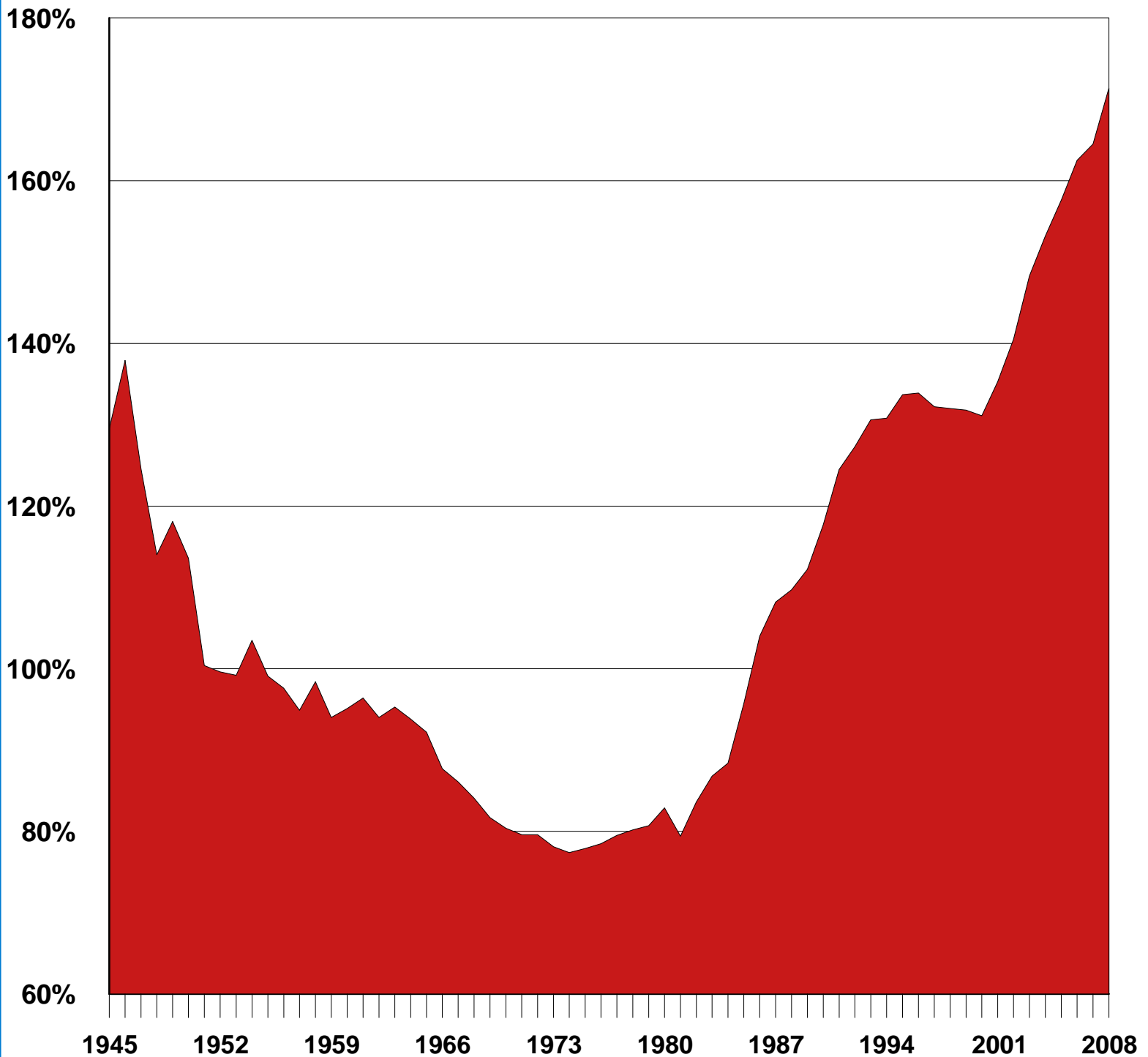
US Household and Federal Debt: From -\$2.3 Trillion in 1980 to over -\$25 Trillion today

\$ Trillions: Combined total debt of US Households & Federal Govt.



Household and Federal Debt Percent of GDP: Post-WWII Debt Levels fell until 1981 but now far exceed WWII peak

% Debt to GDP at end of each Fiscal Year



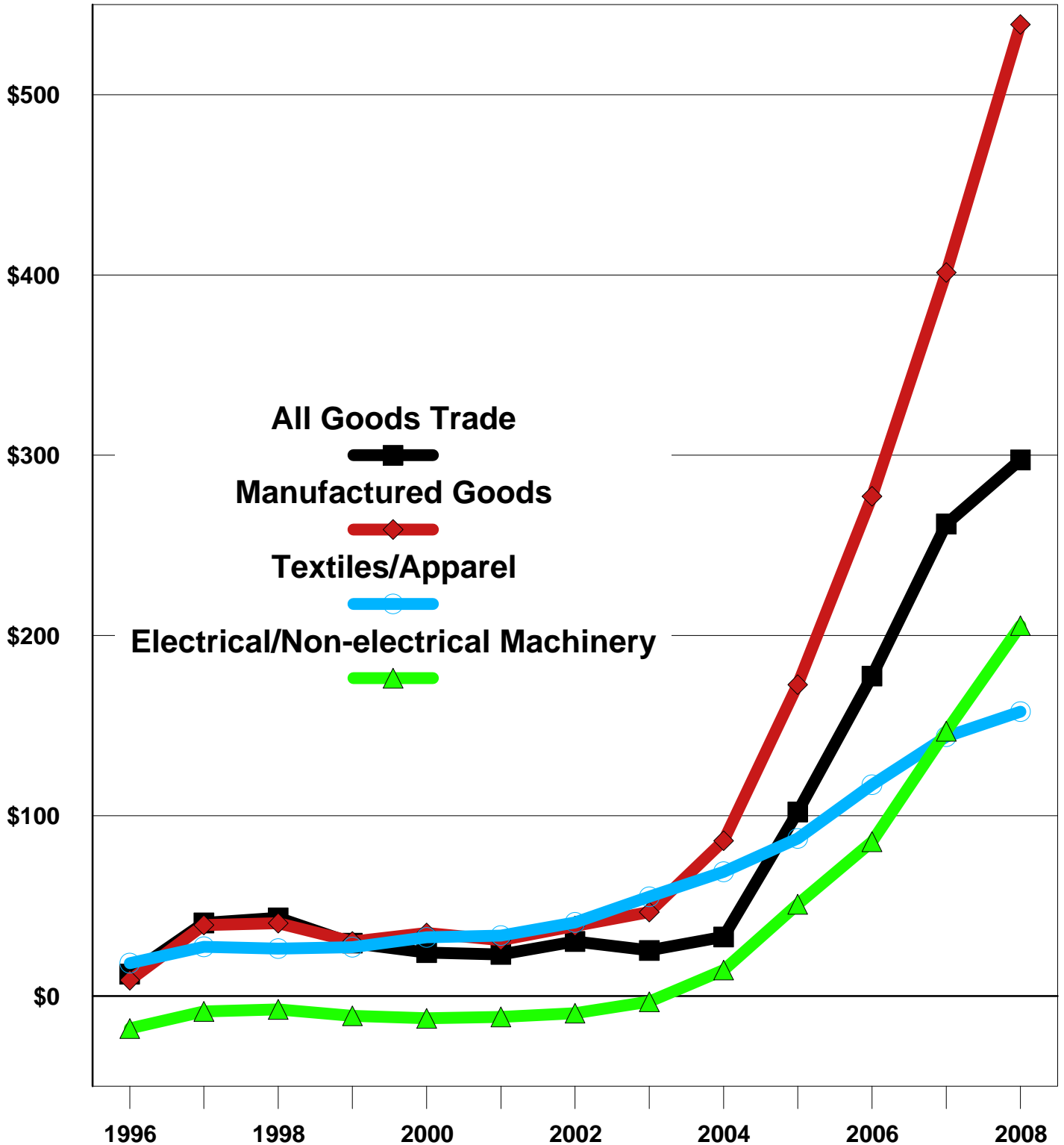
China's War Chest of Foreign Currency Reserves

\$ Billions: China's Total Foreign Currency Reserves End of Period



China's Soaring Global Balance in Goods Trade

\$ Billion: Annual Global Balances



© Dr. C.W. McMillion/MBG Information Services

China Census, Global Trade Info. Services & MBG Information Services

Manufacturing Trade Balances With China

\$Millions	US	EU-27	Japan	Totals
2001	-\$81,583	-\$43,342	-\$18,957	-\$143,882
2002	-101,167	-50,444	-14,832	-166,442
2003	-124,146	-70,963	-10,925	-206,035
2004	-161,256	-96,528	-12,282	-270,066
2005	-199,548	-130,340	-20,969	-350,857
2006	-230,156	-160,649	-18,872	-409,677
2007	-255,593	-214,555	-14,642	-484,790
2008	-267,486	-240,697	-16,811	-524,994
----- Balance Totals: 2002 to 2008 -----				
	-\$1,339,351	-\$964,176	-\$109,334	-\$2,412,861

Global Trade Information Services and MBG Information Services

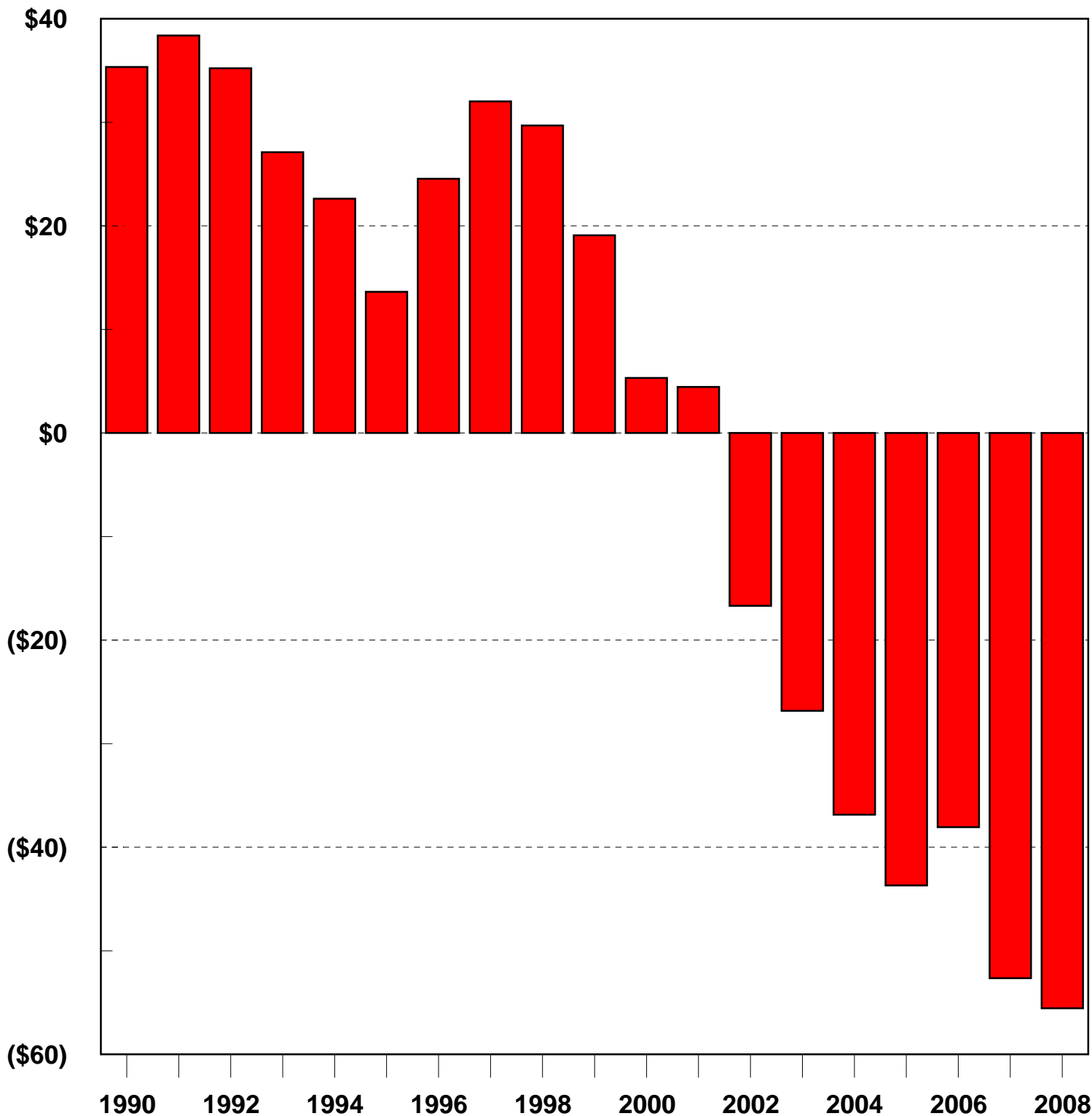
Global Balances in Manufacturing Trade

\$Millions	US	EU-27	Japan	China
2001	-\$282,027	\$69,746	\$164,394	\$30,858
2002	-336,630	103,487	184,039	38,886
2003	-369,258	110,115	209,270	46,598
2004	-434,470	139,997	254,379	86,185
2005	-469,141	161,973	257,579	172,773
2006	-484,360	152,707	274,896	277,250
2007	-450,839	168,249	310,510	401,376
2008	-389,825	247,215	337,514	538,960
----- Balance Totals: 2002 to 2008 -----				
	-\$2,934,523	\$1,083,743	\$1,828,187	\$1,562,028

Global Trade Information Services and MBG Information Services

US Trade in Advanced Technology Goods

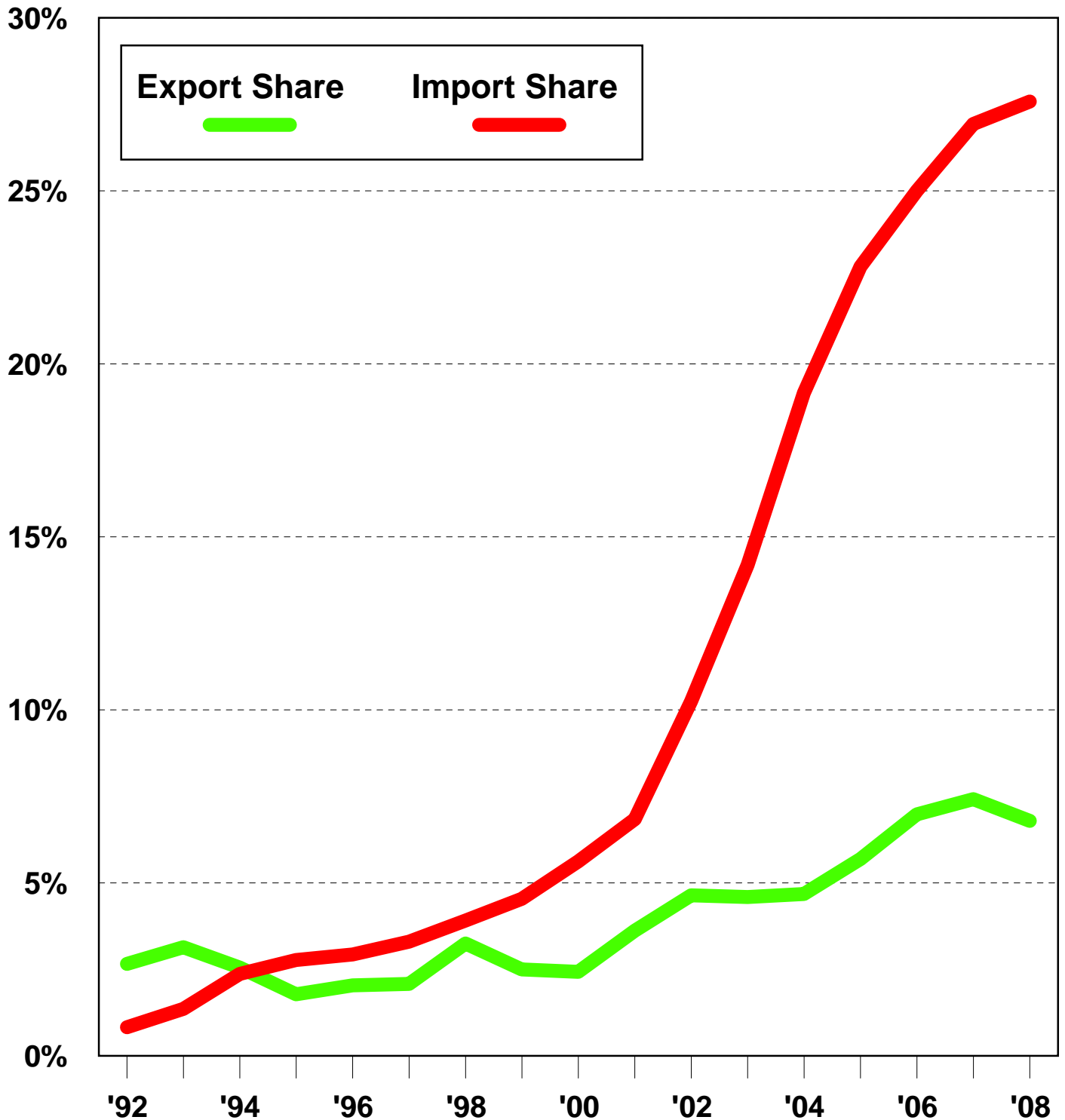
\$ Billion: Annual US Global Trade Balance in ATP



US ATP Trade With China

Share of All US Trade in ATP

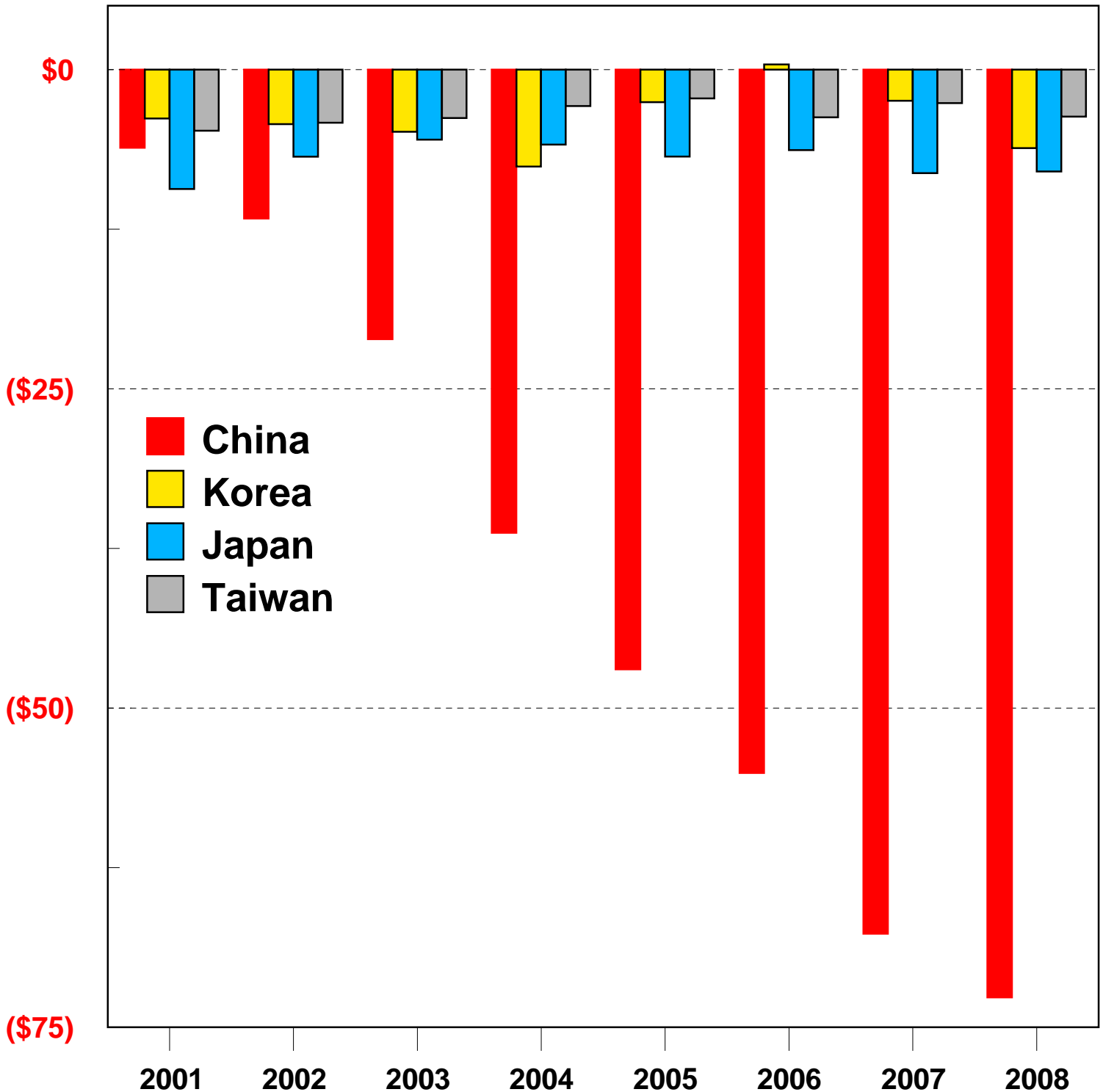
% of all US ATP Exports and Imports



China: the Dominant US Tech Deficit

9 Times The Deficit With Japan

\$Billions: US Trade Deficit in ATP With Key Asian Countries



© MBG Information Services

China's Soaring Value Added In Manufacturing Trade Since WTO Membership

Industry: \$Millions	2001				2008			
	Exports	Imports	Balance	Ex/Im Ratio	Exports	Imports	Balance	Ex/Im Ratio
Manufacturing Totals: HS28-96.....	\$240,396	\$209,538	\$30,858	1.15	\$1,352,073	\$813,112	\$538,960	1.66
Merchandise Totals.....	266,403	243,563	22,841	1.09	1,428,869	1,131,469	297,401	1.26
Machinery/Computers: HS 84-85	84,907	96,464	-11,557	0.88	610,822	405,347	205,475	1.51
Textiles and Apparel HS50-63.....	49,839	16,261	33,578	3.06	179,292	24,944	154,348	7.19
Agriculture Totals: HS01-24	15,462	9,763	5,699	1.58	38,851	50,426	-11,575	0.77
01 Live Animals.....	344,540	35,542	308,997	9.69	\$507	\$104	\$402	4.85
02 Meat.....	841	597	244	1.41	798	2,320	-1,522	0.34
03 Fish And Seafood.....	2,593	1,331	1,262	1.95	5,187	3,657	1,530	1.42
04 Dairy,Eggs,Honey,Etc.....	192	219	-27	0.88	622	874	-252	0.71
05 Other Of Animal Origin.....	652	173	479	3.77	1,366	255	1,111	5.36
06 Live Trees And Plants.....	35	22	13	1.58	149	91	58	1.64
07 Vegetables.....	1,746	210	1,536	8.33	4,223	583	3,640	7.24
08 Edible Fruit And Nuts.....	435	367	68	1.19	2,105	1,237	868	1.70
09 Spices,Coffee And Tea.....	542	21	521	25.52	1,314	101	1,213	13.01
10 Cereals.....	1,034	607	427	1.70	673	699	-26	0.96
11 Milling;Malt;Starch.....	107	81	27	1.33	541	235	306	2.30
12 Soybeans, Misc Grain,Seed,Fruit...	911	3,344	-2,433	0.27	2,044	23,183	-21,139	0.09
13 Lac;Vegetabl Sap,Extrct.....	67	32	35	2.11	443	111	332	3.99
14 Other Vegetable.....	43	65	-22	0.66	66	79	-13	0.84
15 Fats And Oils.....	118	776	-658	0.15	595	10,808	-10,213	0.06
16 Prepared Meat,Fish,Etc.....	2,045	14	2,031	141.90	6,038	79	5,959	76.01
17 Sugars.....	156	376	-221	0.41	678	424	254	1.60
18 Cocoa.....	27	80	-53	0.34	200	313	-113	0.64
19 Baking Related.....	413	93	320	4.43	993	717	276	1.38
20 Preserved Food.....	1,506	85	1,421	17.72	5,847	301	5,546	19.45
21 Miscellaneous Food.....	400	181	218	2.20	1,240	464	777	2.67
22 Beverages.....	574	146	427	3.92	861	1,138	-276	0.76
23 Food Waste; Animal Feed.....	295	639	-344	0.46	1,618	1,865	-248	0.87
24 Tobacco.....	386	268	119	1.44	743	788	-45	0.94
25 Salt;Sulfur;Earth,Stone.....	1,348	781	567	1.73	3,764	6,117	-2,353	0.62
26 Ores,Slag,Ash.....	92	4,178	-4,086	0.02	965	85,236	-84,270	0.01
27 Mineral Fuel, Oil Etc.....	8,432	17,549	-9,117	0.48	31,402	168,643	-137,241	0.19
28 Inorg Chem;Rare Erth Mt.....	2,866	1,644	1,222	1.74	13,354	9,191	4,163	1.45
29 Organic Chemicals.....	4,600	8,978	-4,377	0.51	29,125	39,301	-10,176	0.74
30 Pharmaceutical Products.....	737	986	-249	0.75	2,881	4,886	-2,005	0.59
31 Fertilizers.....	390	1,587	-1,197	0.25	4,383	3,482	901	1.26
32 Tanning,Dye,Paint,Putty.....	1,210	1,787	-576	0.68	3,713	4,022	-309	0.92
33 Perfumery,Cosmetic,Etc.....	409	176	234	2.33	1,945	1,118	826	1.74
34 Soap,Wax,Et;Dental Prep.....	402	450	-48	0.89	1,785	2,196	-411	0.81
35 Albumins;Mod Strch;Glue.....	168	443	-276	0.38	1,616	1,541	75	1.05
36 Explosives.....	285	2	283	144.46	588	33	555	17.75
37 Photographic/Cinematogr.....	420	460	-40	0.91	959	1,516	-557	0.63
38 Misc. Chemical Products.....	1,386	2,590	-1,204	0.54	8,558	9,675	-1,116	0.88
39 Plastic.....	6,697	15,262	-8,565	0.44	29,584	48,841	-19,257	0.61
40 Rubber.....	1,624	2,071	-447	0.78	11,569	11,905	-337	0.97
41 Hides And Skins.....	904	3,169	-2,265	0.29	399	5,635	-5,236	0.07
42 Leathr Art;Saddlry;Bags.....	6,989	84	6,906	83.66	16,844	701	16,143	24.03
43 Furskin+Artificial Fur.....	498	186	311	2.67	906	455	451	1.99
44 Wood.....	2,306	3,467	-1,161	0.67	9,330	8,019	1,311	1.16
45 Cork.....	8	16	-8	0.50	18	35	-17	0.52
46 Straw,Esparto.....	589	8	582	74.87	2,112	8	2,105	278.22
47 Woodpulp, Etc.....	8	2,734	-2,726	0.00	98	12,260	-12,162	0.01
48 Paper,Paperboard.....	1,483	3,650	-2,166	0.41	7,702	4,367	3,335	1.76
49 Book+Newspapr;Manuscrpt.....	491	375	116	1.31	2,541	822	1,719	3.09
50 Silk;Silk Yarn,Fabric.....	827	111	715	7.42	1,434	117	1,317	12.29
51 Animal Hair+Yarn,Fabrc.....	1,082	1,898	-816	0.57	2,088	2,620	-532	0.80
52 Cotton+Yarn,Fabric.....	3,658	2,941	717	1.24	10,697	7,448	3,249	1.44
53 Other Veg Textile Fiber.....	454	269	185	1.69	595	413	182	1.44
54 Manmade Filament,Fabric.....	1,624	3,330	-1,706	0.49	8,761	3,654	5,106	2.40
55 Manmade Staple Fibers.....	2,660	2,932	-272	0.91	6,886	2,521	4,366	2.73

© MBG Information Services

China's Soaring Value Added In Manufacturing Trade Since WTO Membership

Industry: \$Millions	2001				2008			
	Exports	Imports	Balance	Ex/Im Ratio	Exports	Imports	Balance	Ex/Im Ratio
56 Wadding,Felt, Twine,Rope.....	331	401	-70	0.83	1,912	996	915	1.92
57 Textile Floor Coverings.....	491	33	458	14.84	1,610	102	1,508	15.84
58 Spcl Woven Fabric,Etc.....	787	610	177	1.29	5,359	738	4,620	7.26
59 Impregnatd Text Fabrics.....	449	1,151	-701	0.39	3,862	1,729	2,133	2.23
60 Knit,Crocheted Fabrics.....	1,360	1,337	24	1.02	6,363	2,313	4,051	2.75
61 Knit Apparel.....	13,459	475	12,984	28.31	60,590	854	59,736	70.95
62 Woven Apparel.....	18,956	739	18,217	25.66	52,430	1,221	51,209	42.94
63 Misc Textile Articles.....	3,701	33	3,668	111.32	16,705	218	16,487	76.62
64 Footwear.....	10,089	330	9,759	30.62	29,651	1,014	28,637	29.24
65 Headgear.....	623	7	616	91.30	2,342	24	2,318	96.15
66 Umbrella,Wlk-Sticks,Etc.....	622	17	605	36.88	1,624	6	1,617	252.30
67 Artif Flowers,Feathers.....	917	77	840	11.98	2,200	193	2,007	11.37
68 Stone,Plastr,Cement,Etc.....	1,105	250	855	4.41	5,449	883	4,566	6.17
69 Ceramic Products.....	1,777	160	1,617	11.11	8,029	448	7,580	17.90
70 Glass And Glassware.....	1,323	1,468	-145	0.90	8,903	3,416	5,487	2.61
71 Precious Stones,Metals.....	2,403	988	1,415	2.43	8,471	7,536	935	1.12
72 Iron And Steel.....	2,242	10,949	-8,707	0.20	53,494	24,520	28,975	2.18
73 Iron/Steel Products.....	6,018	2,083	3,935	2.89	48,344	10,556	37,787	4.58
74 Copper+Articles Thereof.....	621	4,887	-4,265	0.13	5,610	26,085	-20,474	0.22
75 Nickel+Articles Thereof.....	54	367	-313	0.15	297	5,146	-4,850	0.06
76 Aluminum.....	1,469	2,234	-764	0.66	14,226	6,837	7,389	2.08
78 Lead.....	249	22	227	11.25	277	127	150	2.19
79 Zinc+Articles Thereof.....	613	238	375	2.57	381	897	-516	0.42
80 Tin + Articles Thereof.....	301	97	204	3.09	230	470	-240	0.49
81 Other Base Metals, Etc.....	713	187	526	3.81	4,655	1,314	3,341	3.54
82 Tool,Cutlry, Of Base Mtls.....	2,216	446	1,770	4.97	7,574	2,333	5,242	3.25
83 Misc Art Of Base Metal.....	1,610	398	1,212	4.05	8,718	1,346	7,372	6.48
84 Machinery/Computers.....	33,603	40,561	-6,959	0.83	268,740	138,707	130,033	1.94
85 Electrical Machinery.....	51,305	55,903	-4,598	0.92	342,082	266,639	75,442	1.28
86 Railway;Trf Sign Eq.....	2,233	242	1,991	9.22	10,306	1,451	8,855	7.10
87 Vehicles, Not Railway.....	4,771	4,534	237	1.05	39,316	26,941	12,375	1.46
88 Aircraft,Spacecraft.....	566	4,431	-3,865	0.13	1,640	10,152	-8,512	0.16
89 Ships And Boats.....	1,929	701	1,228	2.75	19,579	1,289	18,289	15.18
90 Optic,Nt 8544;Med Instr.....	6,453	9,779	-3,327	0.66	43,385	77,696	-34,311	0.56
91 Clocks And Watches.....	1,609	789	819	2.04	2,743	1,861	882	1.47
92 Musical Instruments.....	412	90	322	4.56	1,521	197	1,324	7.72
93 Arms And Ammunition.....	17	6	11	2.71	77	3	74	25.81
94 Furniture And Bedding.....	7,561	322	7,239	23.50	42,786	1,533	41,253	27.91
95 Toys, Video Games, Sports Equip..	9,082	270	8,811	33.58	32,695	1,198	31,497	27.28
96 Miscellaneous Manufacturing.....	1,662	392	1,270	4.24	7,460	832	6,627	8.96
97 Art And Antiques.....	21	6	15	3.39	75	22	53	3.42
98 Special.....	573	1,676	-1,103	0.34	1,705	4,419	-2,714	0.39

China Customs, Global Trade Information Services and MBG Information Services

© CW McMillion/ MBG Information Services

China's Global Surplus in Manufactured Goods Totalled \$1.56 Trillion: 2002-2008

Even with soaring commodity prices, total goods surplus is \$927 Billion Since WTO Admission

Industry: Customs Value	China's Balance of Trade with the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$30,858	\$38,886	\$46,598	\$86,185	\$172,773	\$277,250	\$401,376	\$538,960	\$1,562,029	1647%
Merchandise Totals.....	22,841	30,339	25,377	32,836	102,105	177,530	261,894	297,401	927,481	1202%
Machinery/Computers: HS 84-85	-11,557	-9,503	-3,134	14,441	50,910	85,650	146,951	205,475	490,790	1878%
Textiles and Apparel HS50-63 less raw cotton....	33,569	40,886	55,111	68,955	87,427	117,239	143,924	157,808	671,351	370%
Agriculture Totals: HS01-24	5,699	7,083	5,137	728	4,296	6,581	2,283	-11,575	14,533	-303%
84 Machinery/Computers.....	-6,959	-1,343	\$11,844	\$26,803	\$53,416	\$77,190	\$104,223	\$130,033	\$402,166	1969%
61 Knit Apparel.....	12,984	15,465	20,130	25,163	30,180	44,186	60,553	59,736	255,413	360%
62 Woven Apparel.....	18,217	19,826	24,301	28,191	34,222	42,842	46,317	51,209	246,908	181%
94 Furniture And Bedding.....	7,239	9,454	12,239	16,480	21,546	27,012	34,659	41,253	162,642	470%
95 Toys, Video Games, Sports Equip.....	8,811	11,253	12,837	14,600	18,520	21,878	25,786	31,497	136,371	257%
64 Footwear.....	9,759	10,788	12,583	14,731	18,507	21,205	24,579	28,637	131,030	193%
73 Iron/Steel Products.....	3,935	4,496	6,079	9,066	13,337	19,839	28,682	37,787	119,286	860%
85 Electrical Machinery.....	-4,598	-8,159	-14,978	-12,362	-2,507	8,460	42,727	75,442	88,624	1741%
42 Leathr Art;Saddlry;Bags.....	6,906	7,739	9,388	10,080	11,171	12,046	13,716	16,143	80,283	134%
63 Misc Textile Articles.....	3,668	4,353	6,107	7,698	10,221	11,938	13,387	16,487	70,191	350%
89 Ships And Boats.....	1,228	1,319	2,211	2,122	4,228	7,572	11,270	18,289	47,011	1389%
86 Railway;Trf Sign Eq.....	1,991	1,959	3,586	5,148	5,923	5,446	8,121	8,855	39,039	345%
69 Ceramic Products.....	1,617	2,185	2,736	3,580	4,739	5,956	6,208	7,580	32,984	369%
83 Misc Art Of Base Metal.....	1,212	1,665	1,963	2,953	4,055	5,488	6,922	7,372	30,419	508%
16 Prepared Meat,Fish,Etc.....	2,031	2,307	2,654	3,463	4,339	5,447	5,766	5,959	29,934	193%
87 Vehicles, Not Railway.....	237	-692	-3,725	-1,133	4,329	5,341	9,750	12,375	26,246	5118%
82 Tool,Cutlry, Of Base Mtls.....	1,770	1,990	2,347	2,913	3,593	4,160	5,011	5,242	25,255	196%
96 Miscellaneous Manufacturing.....	1,270	1,493	1,822	2,473	3,187	3,847	5,174	6,627	24,624	422%
20 Preserved Food.....	1,421	1,647	2,034	2,436	2,942	3,586	5,170	5,546	23,362	290%
07 Vegetables.....	1,536	1,689	1,940	2,132	2,530	2,959	3,244	3,640	18,133	137%
68 Stone,Plastr,Cement,Etc.....	855	1,045	1,276	1,565	2,222	2,987	3,750	4,566	17,411	434%
76 Aluminum.....	-764	-159	40	236	1,111	3,076	4,833	7,389	16,527	1067%
58 Spcl Woven Fabric,Etc.....	177	510	849	1,162	1,862	2,526	3,921	4,620	15,451	2512%
70 Glass And Glassware.....	-145	151	302	950	1,919	2,642	3,881	5,487	15,332	3894%
54 Manmade Filament,Fabric.....	-1,706	-904	151	1,358	2,119	2,798	4,037	5,106	14,665	399%
60 Knit,Crocheted Fabrics.....	24	574	868	1,182	1,773	2,487	3,407	4,051	14,342	16839%
28 Inorg Chem;Rare Erth Mt.....	1,222	1,084	866	882	2,128	1,340	3,259	4,163	13,722	241%
81 Other Base Metals, Etc.....	526	420	751	1,425	1,645	1,941	2,547	3,341	12,070	535%
71 Precious Stones,Metals.....	1,415	1,509	1,450	1,795	2,062	2,283	1,868	935	11,901	-34%
55 Manmade Staple Fibers.....	-272	-471	-472	134	1,133	2,703	3,559	4,366	10,952	1705%
03 Fish And Seafood.....	1,262	1,312	1,471	1,723	1,470	1,589	1,319	1,530	10,414	21%
65 Headgear.....	616	742	932	1,169	1,432	1,735	1,943	2,318	10,270	276%
67 Artif Flowers,Feathers.....	840	899	967	1,085	1,208	1,403	1,743	2,007	9,312	139%

© CW McMillion/ MBG Information Services

China's Global Surplus in Manufactured Goods Totalled \$1.56 Trillion: 2002-2008

Even with soaring commodity prices, total goods surplus is \$927 Billion Since WTO Admission

Industry: Customs Value	China's Balance of Trade with the World: \$ Millions Each Year							2008	7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007			
46 Straw, Esparto.....	582	719	876	1,029	1,137	1,306	1,589	2,105	8,761	262%
52 Cotton+Yarn, Fabric.....	717	1,567	1,572	-296	362	-238	1,634	3,249	7,850	353%
50 Silk; Silk Yarn, Fabric.....	715	671	714	922	1,200	1,296	1,286	1,317	7,407	84%
66 Umbrella, Wlk-Sticks, Etc.....	605	579	662	828	951	1,135	1,373	1,617	7,146	167%
43 Furskin+Artificial Fur.....	311	355	684	1,671	2,272	868	568	451	6,869	45%
91 Clocks And Watches.....	819	825	985	994	897	889	996	882	6,468	8%
57 Textile Floor Coverings.....	458	522	591	715	870	994	1,226	1,508	6,427	229%
09 Spices, Coffee And Tea.....	521	528	596	832	885	935	1,014	1,213	6,005	133%
49 Book+Newspapr; Manuscrpt.....	116	278	357	562	715	903	1,360	1,719	5,893	1378%
92 Musical Instruments.....	322	396	525	688	797	886	1,058	1,324	5,674	311%
05 Other Of Animal Origin.....	479	462	523	726	791	802	840	1,111	5,255	132%
33 Perfumery, Cosmetic, Etc.....	234	317	480	537	701	868	980	826	4,709	254%
10 Cereals.....	427	1,169	2,145	-1,478	18	218	1,445	-26	3,491	-106%
44 Wood.....	-1,161	-1,308	-1,176	-183	705	2,118	1,827	1,311	3,293	213%
08 Edible Fruit And Nuts.....	68	177	257	298	411	544	720	868	3,276	1172%
21 Miscellaneous Food.....	218	281	234	138	406	587	728	777	3,151	256%
36 Explosives.....	283	317	352	397	451	504	555	555	3,131	96%
59 Impregnatd Text Fabrics.....	-701	-571	-400	-111	304	562	1,135	2,133	3,053	404%
19 Baking Related.....	320	312	379	458	520	502	476	276	2,923	-14%
78 Lead.....	227	206	193	336	404	644	584	150	2,519	-34%
22 Beverages.....	427	449	439	482	305	504	-38	-276	1,865	-165%
01 Live Animals.....	309	290	209	110	220	270	301	402	1,802	30%
56 Wadding, Felt, Twine, Rope.....	-70	-69	-55	-23	154	268	473	915	1,663	1407%
53 Other Veg Textile Fiber.....	185	167	91	83	140	174	115	182	952	-1%
24 Tobacco.....	119	191	185	221	152	102	97	-45	904	-138%
13 Lac; Vegetabl Sap, Extrct.....	35	41	22	14	50	80	116	332	655	846%
11 Milling; Malt; Starch.....	27	23	6	-19	25	-11	287	306	618	1048%
48 Paper, Paperboard.....	-2,166	-2,428	-2,088	-1,789	-456	1,189	2,810	3,335	573	254%
97 Art And Antiques.....	15	18	15	23	38	53	66	53	267	265%
93 Arms And Ammunition.....	11	14	14	19	26	37	57	74	240	587%
06 Live Trees And Plants.....	13	10	4	13	8	36	48	58	177	353%
17 Sugars.....	-221	-53	-20	-84	-29	-155	83	254	-3	215%
45 Cork.....	-8	-9	-8	-11	-10	-4	-13	-17	-71	116%
14 Other Vegetable.....	-22	-0	-27	-44	-19	-46	-28	-13	-177	41%
80 Tin + Articles Thereof.....	204	55	57	83	-173	-147	-29	-240	-395	-218%
18 Cocoa.....	-53	-44	-61	-66	-66	-60	-64	-113	-474	-114%
79 Zinc+Articles Thereof.....	375	182	108	-243	-616	-162	112	-516	-1,135	-238%
37 Photographic/Cinematogr.....	-40	-44	18	50	96	-290	-475	-557	-1,203	-1290%
04 Dairy, Eggs, Honey, Etc.....	-27	-78	-129	-214	-195	-263	-292	-252	-1,423	-852%

© CW McMillion/ MBG Information Services

China's Global Surplus in Manufactured Goods Totalled \$1.56 Trillion: 2002-2008

Even with soaring commodity prices, total goods surplus is \$927 Billion Since WTO Admission

Industry: Customs Value	China's Balance of Trade with the World: \$ Millions Each Year							7 Yr Total:	Change:	
	2001	2002	2003	2004	2005	2006	2007	2008	2002-2008	2008 v 2001
35 Albumins;Mod Strch;Glue.....	-276	-297	-329	-334	-279	-335	-308	75	-1,807	127%
34 Soap,Wax,Et;Dental Prep.....	-48	-77	-157	-222	-300	-371	-377	-411	-1,915	-758%
02 Meat.....	244	40	-111	230	155	61	-786	-1,522	-1,934	-723%
72 Iron And Steel.....	-8,707	-10,929	-18,816	-12,166	-11,127	5,117	16,938	28,975	-2,008	433%
25 Salt;Sulfur;Earth,Stone.....	567	346	83	-275	1	426	-356	-2,353	-2,128	-515%
51 Animal Hair+Yarn,Fabrc.....	-816	-763	-365	-373	-300	-143	-573	-532	-3,049	35%
23 Food Waste; Animal Feed.....	-344	-363	-276	-444	-827	-782	-279	-248	-3,219	28%
40 Rubber.....	-447	-476	-1,158	-933	-77	-1,036	545	-337	-3,471	25%
32 Tanning,Dye,Paint,Putty.....	-576	-701	-1,056	-1,046	-595	-511	-224	-309	-4,440	46%
98 Special.....	-1,103	-916	-311	-421	-397	373	-289	-2,714	-4,675	-146%
31 Fertilizers.....	-1,197	-2,003	-960	-976	-2,040	-1,312	830	901	-5,560	175%
30 Pharmaceutical Products.....	-249	-340	-481	-465	-590	-868	-1,402	-2,005	-6,152	-706%
38 Misc. Chemical Products.....	-1,204	-2,346	-3,125	-2,331	-2,367	-3,168	-2,445	-1,116	-16,899	7%
75 Nickel+Articles Thereof.....	-313	-376	-769	-1,051	-1,871	-3,064	-5,783	-4,850	-17,764	-1451%
41 Hides And Skins.....	-2,265	-2,297	-2,617	-3,192	-3,259	-3,809	-4,785	-5,236	-25,195	-131%
15 Fats And Oils.....	-658	-1,471	-2,802	-4,045	-3,023	-3,533	-7,249	-10,213	-32,335	-1451%
88 Aircraft,Spacecraft.....	-3,865	-3,614	-4,024	-4,442	-5,866	-9,648	-9,095	-8,512	-45,201	-120%
47 Woodpulp, Etc.....	-2,726	-2,884	-3,875	-5,277	-6,147	-7,086	-9,499	-12,162	-46,930	-346%
12 Soybeans, Misc Grain,Seed,Fruit.....	-2,433	-1,837	-4,536	-6,152	-6,775	-6,792	-10,637	-21,139	-57,868	-769%
74 Copper+Articles Thereof.....	-4,265	-4,917	-6,207	-8,335	-9,835	-11,344	-21,878	-20,474	-82,989	-380%
29 Organic Chemicals.....	-4,377	-5,589	-8,873	-14,718	-15,901	-14,316	-17,765	-10,176	-87,338	-132%
39 Plastic.....	-8,565	-9,339	-11,052	-14,953	-15,549	-15,605	-18,906	-19,257	-104,663	-125%
90 Optic,Nt 8544;Med Instr.....	-3,327	-6,108	-14,569	-23,859	-24,523	-26,224	-32,398	-34,311	-161,990	-931%
26 Ores,Slag,Ash.....	-4,086	-4,099	-6,925	-16,702	-24,799	-31,027	-52,976	-84,270	-220,799	-1962%
27 Mineral Fuel, Oil Etc.....	-9,117	-10,969	-18,190	-33,552	-46,623	-71,283	-84,763	-137,241	-402,620	-1405%

US Dept. of Commerce, Global Trade Information Services and MBG Information Services

© CW McMillion/ MBG Information Services

China's Manufacturing Exports Soared By 462% Since WTO Admission: \$5.4 Trillion of Manufactured Goods Exports Since Joining the WTO

Industry: Customs Value	China's Exports of Goods to the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$240,396	\$297,632	\$403,981	\$553,444	\$713,275	\$915,190	\$1,156,864	\$1,352,073	\$5,392,458	462%
Merchandise Totals.....	266,403	325,642	438,473	593,647	762,327	969,324	1,218,155	1,428,869	5,736,437	436%
Machinery/Computers: HS 84-85	84,907	116,003	172,445	248,022	322,241	414,202	528,998	610,822	2,412,733	619%
Textiles and Apparel HS50-63 less raw cotton....	49,759	57,702	73,242	88,791	107,681	138,054	165,823	179,258	810,551	260%
Agriculture Totals: HS01-24	15,462	17,407	20,656	22,482	26,479	30,223	35,471	38,851	191,568	151%
85 Electrical Machinery.....	\$51,305	\$65,152	\$89,040	\$129,740	\$172,406	\$227,545	\$300,334	\$342,082	\$1,326,298	567%
84 Machinery/Computers.....	33,603	50,851	83,406	118,283	149,835	186,656	228,664	268,740	1,086,434	700%
61 Knit Apparel.....	13,459	15,988	20,687	25,805	30,876	44,903	61,342	60,590	260,191	350%
62 Woven Apparel.....	18,956	20,591	25,085	28,983	35,038	43,710	47,339	52,430	253,177	177%
90 Optic,Nt 8544;Med Instr.....	6,453	7,370	10,573	16,266	25,435	32,629	37,007	43,385	172,666	572%
94 Furniture And Bedding.....	7,561	9,858	12,899	17,319	22,367	27,956	35,957	42,786	169,143	466%
73 Iron/Steel Products.....	6,018	7,268	9,455	13,754	19,031	26,792	36,719	48,344	161,363	703%
72 Iron And Steel.....	2,242	2,311	3,413	11,467	15,104	25,160	39,950	53,494	150,899	2286%
95 Toys, Video Games, Sports Equip.....	9,082	11,606	13,282	15,092	19,129	22,639	27,077	32,695	141,520	260%
87 Vehicles, Not Railway.....	4,771	5,787	8,112	11,812	16,601	22,382	31,862	39,316	135,872	724%
64 Footwear.....	10,089	11,092	12,957	15,206	19,048	21,814	25,305	29,651	135,073	194%
39 Plastic.....	6,697	8,040	9,990	13,111	17,790	22,232	26,413	29,584	127,160	342%
27 Mineral Fuel, Oil Etc.....	8,432	8,359	11,112	14,475	17,617	17,795	19,912	31,402	120,672	272%
29 Organic Chemicals.....	4,600	5,569	7,145	9,094	12,122	15,539	20,620	29,125	99,214	533%
42 Leathr Art;Saddlry;Bags.....	6,989	7,831	9,516	10,263	11,424	12,403	14,225	16,844	82,505	141%
63 Misc Textile Articles.....	3,701	4,397	6,172	7,786	10,340	12,076	13,560	16,705	71,037	351%
52 Cotton+Yarn,Fabric.....	3,658	4,895	6,223	6,605	7,441	8,874	9,356	10,697	54,091	192%
89 Ships And Boats.....	1,929	1,926	3,023	3,158	4,719	8,102	12,273	19,579	52,780	915%
76 Aluminum.....	1,469	2,282	3,395	5,168	6,126	9,275	11,577	14,226	52,048	868%
28 Inorg Chem;Rare Erth Mt.....	2,866	3,031	3,597	4,841	6,944	7,628	9,675	13,354	49,070	366%
44 Wood.....	2,306	2,831	3,467	5,011	6,410	8,576	9,780	9,330	45,406	305%
86 Railway;Trf Sign Eq.....	2,233	2,345	4,034	5,495	6,405	6,657	9,547	10,306	44,789	362%
40 Rubber.....	1,624	1,991	2,556	3,802	5,507	7,413	10,134	11,569	42,972	612%
54 Manmade Filament,Fabric.....	1,624	2,428	3,753	5,162	5,894	6,595	7,796	8,761	40,388	439%
71 Precious Stones,Metals.....	2,403	2,843	3,296	4,449	5,532	6,901	8,123	8,471	39,615	253%
83 Misc Art Of Base Metal.....	1,610	2,110	2,540	3,684	4,918	6,592	8,186	8,718	36,749	442%
82 Tool,Cutlry, Of Base Mtls.....	2,216	2,622	3,296	4,229	5,182	6,038	7,192	7,574	36,133	242%
69 Ceramic Products.....	1,777	2,333	2,959	3,891	5,040	6,295	6,642	8,029	35,189	352%
70 Glass And Glassware.....	1,323	1,816	2,365	3,419	4,465	5,627	7,153	8,903	33,747	573%
55 Manmade Staple Fibers.....	2,660	2,525	2,789	3,553	4,390	5,530	6,366	6,886	32,040	159%
48 Paper,Paperboard.....	1,483	1,709	2,307	2,848	3,933	5,405	7,103	7,702	31,006	419%
16 Prepared Meat,Fish,Etc.....	2,045	2,327	2,681	3,489	4,368	5,492	5,833	6,038	30,227	195%
03 Fish And Seafood.....	2,593	2,876	3,337	4,062	4,361	4,749	4,762	5,187	29,333	100%

© CW McMillion/ MBG Information Services

China's Manufacturing Exports Soared By 462% Since WTO Admission: \$5.4 Trillion of Manufactured Goods Exports Since Joining the WTO

Industry: Customs Value	China's Exports of Goods to the World: \$ Millions Each Year							2008	7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007			
96 Miscellaneous Manufacturing.....	1,662	1,879	2,308	3,089	3,862	4,565	5,980	7,460	29,143	349%
38 Misc. Chemical Products.....	1,386	1,437	1,815	2,771	3,662	4,265	5,843	8,558	28,352	517%
60 Knit,Crocheted Fabrics.....	1,360	2,007	2,509	2,995	3,652	4,641	5,735	6,363	27,901	368%
20 Preserved Food.....	1,506	1,761	2,169	2,578	3,099	3,784	5,443	5,847	24,681	288%
74 Copper+Articles Thereof.....	621	752	953	2,142	3,055	5,829	5,294	5,610	23,636	803%
07 Vegetables.....	1,746	1,883	2,181	2,536	3,054	3,715	4,045	4,223	21,637	142%
68 Stone,Plastr,Cement,Etc.....	1,105	1,314	1,617	2,030	2,758	3,627	4,507	5,449	21,302	393%
58 Spcl Woven Fabric,Etc.....	787	1,157	1,555	1,980	2,709	3,365	4,691	5,359	20,816	581%
32 Tanning,Dye,Paint,Putty.....	1,210	1,390	1,528	1,928	2,485	2,999	3,581	3,713	17,624	207%
81 Other Base Metals, Etc.....	713	617	993	1,857	2,301	2,760	3,513	4,655	16,696	553%
25 Salt;Sulfur;Earth,Stone.....	1,348	1,222	1,365	1,526	2,171	2,701	2,692	3,764	15,441	179%
91 Clocks And Watches.....	1,609	1,664	1,923	2,059	1,994	1,996	2,430	2,743	14,808	71%
59 Impregnatd Text Fabrics.....	449	624	826	1,237	1,755	2,132	2,842	3,862	13,279	759%
31 Fertilizers.....	390	351	803	1,311	1,012	1,172	3,736	4,383	12,767	1023%
51 Animal Hair+Yarn,Fabrc.....	1,082	1,069	1,318	1,715	1,846	1,998	2,126	2,088	12,160	93%
30 Pharmaceutical Products.....	737	790	913	1,102	1,363	1,531	2,056	2,881	10,636	291%
98 Special.....	573	651	951	1,107	1,608	2,403	2,173	1,705	10,597	198%
65 Headgear.....	623	748	939	1,180	1,445	1,750	1,960	2,342	10,363	276%
67 Artif Flowers,Feathers.....	917	978	1,063	1,198	1,318	1,548	1,937	2,200	10,241	140%
10 Cereals.....	1,034	1,651	2,590	740	1,413	1,039	1,960	673	10,066	-35%
12 Soybeans, Misc Grain,Seed,Fruit.....	911	940	1,126	1,197	1,384	1,326	1,621	2,044	9,637	124%
49 Book+Newspapr;Manuscrpt.....	491	616	702	935	1,149	1,440	2,009	2,541	9,391	418%
43 Furskin+Artificial Fur.....	498	540	913	2,008	2,616	1,219	959	906	9,161	82%
46 Straw,Esparto.....	589	727	882	1,036	1,144	1,315	1,599	2,112	8,815	258%
33 Perfumery,Cosmetic,Etc.....	409	518	761	930	1,201	1,467	1,789	1,945	8,612	375%
41 Hides And Skins.....	904	965	1,150	1,402	1,568	1,760	1,177	399	8,421	-56%
08 Edible Fruit And Nuts.....	435	555	752	917	1,068	1,281	1,633	2,105	8,311	384%
50 Silk;Silk Yarn,Fabric.....	827	768	824	1,062	1,336	1,423	1,397	1,434	8,244	73%
34 Soap,Wax,Et;Dental Prep.....	402	489	602	809	937	1,127	1,470	1,785	7,219	344%
66 Umbrella,Wlk-Sticks,Etc.....	622	590	673	839	961	1,142	1,380	1,624	7,210	161%
57 Textile Floor Coverings.....	491	557	638	774	933	1,070	1,317	1,610	6,898	228%
05 Other Of Animal Origin.....	652	650	742	975	1,011	995	1,075	1,366	6,813	110%
56 Wadding,Felt,Twine,Rope.....	331	365	469	595	860	1,101	1,374	1,912	6,675	478%
92 Musical Instruments.....	412	500	626	812	925	1,019	1,223	1,521	6,625	269%
88 Aircraft,Spacecraft.....	566	440	439	521	744	1,294	1,394	1,640	6,471	190%
09 Spices,Coffee And Tea.....	542	552	624	864	927	989	1,092	1,314	6,362	142%
37 Photographic/Cinematogr.....	420	524	738	946	1,075	775	766	959	5,782	128%
21 Miscellaneous Food.....	400	460	545	612	710	912	1,105	1,240	5,585	210%
22 Beverages.....	574	597	625	743	715	1,091	829	861	5,462	50%

© CW McMillion/ MBG Information Services

China's Manufacturing Exports Soared By 462% Since WTO Admission: \$5.4 Trillion of Manufactured Goods Exports Since Joining the WTO

Industry: Customs Value	China's Exports of Goods to the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
19 Baking Related.....	413	455	527	653	760	861	921	993	5,170	141%
02 Meat.....	841	666	646	705	742	747	733	798	5,037	-5%
79 Zinc+Articles Thereof.....	613	495	526	411	383	1,419	1,346	381	4,960	-38%
26 Ores,Slag,Ash.....	92	180	254	568	1,125	923	935	965	4,950	950%
35 Albumins;Mod Strch;Glue.....	168	207	283	454	606	732	1,022	1,616	4,919	863%
23 Food Waste; Animal Feed.....	295	408	382	502	479	516	1,000	1,618	4,905	448%
53 Other Veg Textile Fiber.....	454	502	526	554	618	660	616	595	4,070	31%
24 Tobacco.....	386	434	493	514	536	566	638	743	3,924	92%
36 Explosives.....	285	319	358	402	457	523	576	588	3,224	106%
78 Lead.....	249	243	242	428	485	728	690	277	3,094	11%
17 Sugars.....	156	227	196	252	423	463	566	678	2,805	335%
01 Live Animals.....	345	344	327	330	329	333	375	507	2,544	47%
04 Dairy,Eggs,Honey,Etc.....	192	194	221	234	268	302	461	622	2,302	223%
75 Nickel+Articles Thereof.....	54	51	126	263	305	517	695	297	2,255	451%
15 Fats And Oils.....	118	108	128	158	284	391	328	595	1,992	404%
11 Milling;Malt;Starch.....	107	118	142	170	200	236	509	541	1,915	404%
80 Tin + Articles Thereof.....	301	167	191	339	231	239	424	230	1,821	-24%
13 Lac;Vegetabl Sap,Extrct.....	67	77	73	72	113	155	206	443	1,139	563%
18 Cocoa.....	27	36	55	70	110	124	147	200	742	628%
06 Live Trees And Plants.....	35	43	49	64	77	105	132	149	620	327%
14 Other Vegetable.....	43	44	46	43	49	53	59	66	361	53%
47 Woodpulp, Etc.....	8	16	21	16	36	59	92	98	338	1082%
97 Art And Antiques.....	21	23	21	30	45	65	75	75	335	264%
93 Arms And Ammunition.....	17	18	17	21	28	39	59	77	260	352%
45 Cork.....	8	9	11	14	16	23	19	18	110	132%

US Dept. of Commerce, Global Trade Information Services and MBG Information Services

© CW McMillion/ MBG Information Services

China's Manufactured Imports Rose By 288% Since WTO Admission

Including Fuels, Ores and other Commodities, Total Goods Imports Rose by 365%

Industry: Customs Value	China's Imports of Goods from the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$209,538	\$258,746	\$357,383	\$467,259	\$540,501	\$637,940	\$755,488	\$813,113	\$3,830,430	288%
Merchandise Totals.....	243,563	295,303	413,096	560,811	660,222	791,794	956,261	1,131,469	4,808,956	365%
Machinery/Computers: HS 84-85	96,464	125,506	175,579	233,581	271,331	328,552	382,047	405,347	1,921,943	320%
Textiles and Apparel HS50-63 less raw cotton....	16,190	16,816	18,131	19,837	20,253	20,815	21,899	21,450	139,200	32%
Agriculture Totals: HS01-24	9,763	10,323	15,519	21,754	22,183	23,641	33,188	50,426	177,034	417%
85 Electrical Machinery.....	\$55,903	\$73,311	\$104,017	\$142,102	\$174,913	\$219,085	\$257,607	\$266,639	\$1,237,675	377%
84 Machinery/Computers.....	40,561	52,195	71,561	91,480	96,418	109,466	124,440	138,707	684,268	242%
27 Mineral Fuel, Oil Etc.....	17,549	19,327	29,302	48,027	64,239	89,077	104,675	168,643	523,292	861%
90 Optic,Nt 8544;Med Instr.....	9,779	13,478	25,142	40,125	49,958	58,853	69,405	77,696	334,656	694%
39 Plastic.....	15,262	17,380	21,042	28,064	33,339	37,837	45,319	48,841	231,823	220%
26 Ores,Slag,Ash.....	4,178	4,279	7,179	17,270	25,924	31,950	53,911	85,236	225,749	1940%
29 Organic Chemicals.....	8,978	11,158	16,018	23,812	28,023	29,855	38,385	39,301	186,552	338%
72 Iron And Steel.....	10,949	13,240	22,229	23,633	26,231	20,042	23,012	24,520	152,907	124%
87 Vehicles, Not Railway.....	4,534	6,479	11,838	12,944	12,271	17,041	22,111	26,941	109,626	494%
74 Copper+Articles Thereof.....	4,887	5,669	7,160	10,477	12,890	17,173	27,172	26,085	106,625	434%
12 Soybeans, Misc Grain,Seed,Fruit.....	3,344	2,777	5,661	7,349	8,159	8,118	12,258	23,183	67,504	593%
88 Aircraft,Spacecraft.....	4,431	4,054	4,463	4,963	6,610	10,942	10,489	10,152	51,672	129%
47 Woodpulp, Etc.....	2,734	2,900	3,896	5,293	6,182	7,144	9,591	12,260	47,268	348%
40 Rubber.....	2,071	2,468	3,714	4,734	5,584	8,449	9,589	11,905	46,443	475%
52 Cotton+Yarn,Fabric.....	2,941	3,328	4,650	6,901	7,079	9,112	7,722	7,448	46,240	153%
38 Misc. Chemical Products.....	2,590	3,783	4,940	5,102	6,030	7,433	8,288	9,675	45,251	274%
44 Wood.....	3,467	4,139	4,644	5,194	5,705	6,458	7,953	8,019	42,113	131%
73 Iron/Steel Products.....	2,083	2,772	3,377	4,687	5,694	6,953	8,037	10,556	42,076	407%
76 Aluminum.....	2,234	2,441	3,355	4,932	5,014	6,199	6,744	6,837	35,521	206%
28 Inorg Chem;Rare Erth Mt.....	1,644	1,947	2,731	3,959	4,816	6,288	6,416	9,191	35,348	459%
15 Fats And Oils.....	776	1,579	2,929	4,204	3,307	3,924	7,576	10,808	34,327	1292%
41 Hides And Skins.....	3,169	3,263	3,767	4,595	4,826	5,568	5,962	5,635	33,616	78%
48 Paper,Paperboard.....	3,650	4,138	4,395	4,637	4,388	4,216	4,292	4,367	30,433	20%
71 Precious Stones,Metals.....	988	1,334	1,846	2,654	3,471	4,619	6,255	7,536	27,714	663%
54 Manmade Filament,Fabric.....	3,330	3,332	3,602	3,804	3,774	3,797	3,758	3,654	25,723	10%
32 Tanning,Dye,Paint,Putty.....	1,787	2,090	2,584	2,973	3,080	3,510	3,805	4,022	22,064	125%
55 Manmade Staple Fibers.....	2,932	2,996	3,261	3,419	3,257	2,827	2,807	2,521	21,088	-14%
75 Nickel+Articles Thereof.....	367	427	895	1,314	2,177	3,581	6,478	5,146	20,019	1304%
03 Fish And Seafood.....	1,331	1,564	1,866	2,339	2,890	3,159	3,443	3,657	18,918	175%
70 Glass And Glassware.....	1,468	1,666	2,063	2,469	2,545	2,985	3,271	3,416	18,415	133%
31 Fertilizers.....	1,587	2,354	1,763	2,287	3,051	2,485	2,907	3,482	18,328	119%
25 Salt;Sulfur;Earth,Stone.....	781	876	1,281	1,801	2,170	2,275	3,048	6,117	17,568	683%
30 Pharmaceutical Products.....	986	1,130	1,394	1,567	1,953	2,399	3,458	4,886	16,788	396%

© CW McMillion/ MBG Information Services

China's Manufactured Imports Rose By 288% Since WTO Admission

Including Fuels, Ores and other Commodities, Total Goods Imports Rose by 365%

Industry: Customs Value	China's Imports of Goods from the World: \$ Millions Each Year							7 Yr Total:	Change:	
	2001	2002	2003	2004	2005	2006	2007	2008	2002-2008	2008 v 2001
98 Special.....	1,676	1,567	1,263	1,528	2,004	2,029	2,463	4,419	15,272	164%
51 Animal Hair+Yarn,Fabrc.....	1,898	1,832	1,684	2,088	2,145	2,141	2,698	2,620	15,209	38%
60 Knit,Crocheted Fabrics.....	1,337	1,432	1,641	1,813	1,879	2,153	2,328	2,313	13,559	73%
82 Tool,Cutlry, Of Base Mtls.....	446	632	950	1,316	1,589	1,878	2,181	2,333	10,878	423%
59 Impregnatd Text Fabrics.....	1,151	1,196	1,226	1,349	1,451	1,570	1,706	1,729	10,226	50%
34 Soap,Wax,Et;Dental Prep.....	450	566	759	1,030	1,237	1,498	1,848	2,196	9,134	389%
91 Clocks And Watches.....	789	838	939	1,065	1,097	1,106	1,434	1,861	8,340	136%
23 Food Waste; Animal Feed.....	639	772	658	946	1,305	1,298	1,279	1,865	8,123	192%
37 Photographic/Cinematogr.....	460	568	720	896	979	1,065	1,240	1,516	6,985	230%
02 Meat.....	597	626	758	475	587	686	1,519	2,320	6,971	289%
35 Albumins;Mod Strch;Glue.....	443	504	611	788	885	1,067	1,330	1,541	6,726	248%
10 Cereals.....	607	482	444	2,219	1,395	821	515	699	6,574	15%
94 Furniture And Bedding.....	322	404	660	839	821	944	1,298	1,533	6,500	376%
83 Misc Art Of Base Metal.....	398	445	577	731	863	1,104	1,263	1,346	6,330	238%
62 Woven Apparel.....	739	765	785	792	816	868	1,022	1,221	6,268	65%
79 Zinc+Articles Thereof.....	238	313	419	654	998	1,580	1,234	897	6,095	276%
89 Ships And Boats.....	701	607	812	1,037	491	531	1,003	1,289	5,769	84%
86 Railway;Trf Sign Eq.....	242	386	448	347	482	1,211	1,425	1,451	5,750	499%
58 Spcl Woven Fabric, Etc.....	610	647	706	818	846	839	770	738	5,365	21%
95 Toys, Video Games, Sports Equip.....	270	353	445	492	609	761	1,291	1,198	5,149	343%
08 Edible Fruit And Nuts.....	367	378	495	619	656	737	912	1,237	5,035	237%
56 Wadding,Felt, Twine,Rope.....	401	434	525	618	707	833	901	996	5,013	148%
61 Knit Apparel.....	475	523	557	642	695	717	790	854	4,777	80%
81 Other Base Metals, Etc.....	187	197	242	432	656	819	966	1,314	4,625	602%
96 Miscellaneous Manufacturing.....	392	386	486	616	675	718	806	832	4,518	112%
64 Footwear.....	330	304	374	475	542	608	726	1,014	4,043	208%
33 Perfumery,Cosmetic,Etc.....	176	201	282	393	501	600	809	1,118	3,903	536%
68 Stone,Plastr,Cement,Etc.....	250	269	341	465	535	640	757	883	3,890	253%
04 Dairy,Eggs,Honey,Etc.....	219	272	350	448	462	565	754	874	3,725	300%
22 Beverages.....	146	148	186	261	409	586	867	1,138	3,597	678%
07 Vegetables.....	210	194	241	405	524	756	801	583	3,504	178%
49 Book+Newspapr;Manuscrpt.....	375	337	345	373	434	537	649	822	3,498	119%
53 Other Veg Textile Fiber.....	269	335	435	471	478	486	501	413	3,118	53%
24 Tobacco.....	268	243	309	292	384	463	541	788	3,020	194%
17 Sugars.....	376	280	216	336	452	617	483	424	2,808	13%
21 Miscellaneous Food.....	181	179	311	475	304	325	377	464	2,435	156%
43 Furskin+Artificial Fur.....	186	186	229	337	344	351	391	455	2,292	144%
19 Baking Related.....	93	144	148	195	240	359	444	717	2,247	669%
42 Leathr Art;Saddlry;Bags.....	84	91	128	183	253	357	508	701	2,222	739%

© CW McMillion/ MBG Information Services

China's Manufactured Imports Rose By 288% Since WTO Admission

Including Fuels, Ores and other Commodities, Total Goods Imports Rose by 365%

Industry: Customs Value	China's Imports of Goods from the World: \$ Millions Each Year							7 Yr Total:	Change:	
	2001	2002	2003	2004	2005	2006	2007	2008	2002-2008	2008 v 2001
80 Tin + Articles Thereof.....	97	111	134	256	405	386	453	470	2,215	383%
69 Ceramic Products.....	160	148	224	311	301	339	434	448	2,205	180%
05 Other Of Animal Origin.....	173	188	219	249	220	193	234	255	1,558	48%
20 Preserved Food.....	85	114	134	142	157	198	273	301	1,319	254%
11 Milling;Malt;Starch.....	81	95	136	189	175	247	221	235	1,297	191%
18 Cocoa.....	80	80	116	136	177	183	211	313	1,216	290%
92 Musical Instruments.....	90	105	100	124	128	133	165	197	951	118%
67 Artif Flowers,Feathers.....	77	78	95	113	109	145	194	193	929	153%
63 Misc Textile Articles.....	33	44	66	88	119	138	173	218	846	556%
50 Silk;Silk Yarn,Fabric.....	111	96	110	140	136	127	111	117	836	5%
01 Live Animals.....	36	53	117	220	109	63	74	104	742	194%
78 Lead.....	22	37	48	92	81	84	106	127	575	474%
14 Other Vegetable.....	65	44	73	88	68	99	87	79	537	22%
13 Lac;Vegetabl Sap,Extrct.....	32	36	51	58	63	75	90	111	484	250%
57 Textile Floor Coverings.....	33	35	47	58	63	76	91	102	472	207%
06 Live Trees And Plants.....	22	33	45	51	69	70	84	91	443	312%
09 Spices,Coffee And Tea.....	21	23	28	32	42	54	77	101	357	376%
16 Prepared Meat,Fish,Etc.....	14	19	27	26	29	45	68	79	293	451%
45 Cork.....	16	18	19	25	26	27	31	35	181	124%
65 Headgear.....	7	6	7	11	13	14	17	24	93	257%
36 Explosives.....	2	2	6	5	6	19	21	33	93	1579%
97 Art And Antiques.....	6	5	6	7	7	12	10	22	68	260%
66 Umbrella,Wlk-Sticks,Etc.....	17	11	11	11	9	8	7	6	64	-62%
46 Straw,Esparto.....	8	9	6	6	7	9	10	8	54	-4%
93 Arms And Ammunition.....	6	4	3	3	3	2	2	3	19	-53%

US Dept. of Commerce, Global Trade Information Services and MBG Information Services

© CW McMillion/ MBG Information Services

US Deficits of **-\$1.35 Trillion** in Goods Trade With China Between 2002 to 2008 As composition of US Deficits with China changed rapidly

Industry: Customs Value	US Balance of Trade with China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	-\$81,583	-\$101,167	-\$124,146	-\$161,256	-\$199,548	-\$230,156	-\$255,593	-\$267,486	-\$1,339,351	-228%
Merchandise Totals.....	-83,096	-103,065	-124,068	-161,938	-201,545	-232,589	-256,207	-266,333	-1,345,744	-221%
Machinery/Computers: HS 84-85	-25,963	-36,582	-49,295	-71,727	-92,583	-109,277	-121,202	-124,362	-605,028	-379%
Textiles and Apparel HS50-63 less raw cotton....	-8,017	-9,260	-11,635	-14,444	-21,822	-25,711	-30,387	-30,597	-143,855	-282%
Agriculture Totals: HS01-24	115	-224	1,479	977	227	-6	1,604	4,593	8,649	3877%
85 Electrical Machinery.....	-\$16,295	-\$20,463	-\$24,004	-\$34,115	-\$46,214	-\$54,717	-\$66,026	-\$68,964	-\$314,503	-323%
84 Machinery/Computers.....	-9,668	-16,119	-25,291	-37,612	-46,369	-54,560	-55,176	-55,398	-290,524	-473%
95 Toys, Video Games, Sports Equip.....	-12,186	-14,417	-16,082	-17,164	-19,076	-20,845	-26,048	-27,113	-140,745	-122%
94 Furniture And Bedding.....	-7,404	-9,844	-11,738	-14,337	-16,940	-19,235	-20,195	-19,222	-111,510	-160%
64 Footwear.....	-9,710	-10,192	-10,527	-11,316	-12,682	-13,830	-14,096	-14,442	-87,085	-49%
62 Woven Apparel.....	-4,126	-4,464	-5,485	-6,607	-10,224	-11,847	-13,394	-13,304	-65,325	-222%
61 Knit Apparel.....	-2,273	-2,614	-3,193	-4,093	-6,552	-8,002	-10,547	-10,668	-45,669	-369%
73 Iron/Steel Products.....	-2,020	-2,438	-3,085	-4,376	-5,886	-7,969	-9,208	-11,185	-44,148	-454%
42 Leathr Art;Saddlry;Bags.....	-3,898	-4,465	-5,043	-5,699	-6,247	-6,825	-7,212	-7,365	-42,856	-89%
39 Plastic.....	-2,398	-2,782	-3,036	-3,398	-4,372	-4,751	-4,648	-5,100	-28,088	-113%
63 Misc Textile Articles.....	-1,201	-1,647	-2,353	-3,054	-3,955	-4,614	-5,118	-5,149	-25,890	-329%
87 Vehicles, Not Railway.....	-1,299	-1,657	-2,035	-2,723	-3,268	-3,843	-4,117	-4,506	-22,149	-247%
83 Misc Art Of Base Metal.....	-963	-1,256	-1,415	-1,809	-2,244	-2,909	-3,309	-3,250	-16,191	-237%
O Specl Impr Provisions	-784	-957	-1,230	-1,652	-2,069	-2,502	-2,776	-2,966	-14,153	-278%
71 Precious Stones,Metals.....	-803	-1,144	-1,393	-1,713	-2,065	-2,217	-2,276	-2,303	-13,111	-187%
90 Optic,Nt 8544;Med Instr.....	-1,510	-1,517	-1,649	-1,703	-1,726	-1,835	-2,241	-2,416	-13,088	-60%
44 Wood.....	-701	-837	-1,020	-1,450	-1,845	-2,447	-2,526	-2,358	-12,483	-236%
82 Tool,Cutlry, Of Base Mtls.....	-941	-1,110	-1,373	-1,553	-1,775	-1,980	-2,252	-2,348	-12,392	-150%
40 Rubber.....	-403	-581	-699	-1,037	-1,551	-2,029	-2,521	-2,681	-11,098	-566%
96 Miscellaneous Manufacturing.....	-841	-913	-1,024	-1,204	-1,404	-1,566	-1,794	-1,848	-9,752	-120%
69 Ceramic Products.....	-864	-1,025	-1,112	-1,164	-1,316	-1,550	-1,624	-1,634	-9,426	-89%
67 Artif Flowers,Feathers.....	-958	-1,047	-1,092	-1,109	-1,146	-1,202	-1,265	-1,228	-8,088	-28%
49 Book+Newspapr;Manuscrpt.....	-378	-529	-653	-892	-1,130	-1,330	-1,621	-1,674	-7,830	-343%
48 Paper,Paperboard.....	-306	-403	-612	-804	-1,081	-1,398	-1,597	-1,760	-7,656	-475%
68 Stone,Plastr,Cement,Etc.....	-601	-690	-712	-786	-925	-1,074	-1,162	-1,037	-6,387	-73%
70 Glass And Glassware.....	-440	-544	-621	-732	-910	-1,040	-1,142	-1,147	-6,136	-161%
03 Fish And Seafood.....	-446	-566	-722	-705	-742	-987	-1,023	-1,157	-5,901	-159%
65 Headgear.....	-334	-479	-628	-740	-867	-1,000	-1,009	-1,028	-5,750	-208%
27 Mineral Fuel, Oil Etc.....	-292	-323	-319	-807	-859	-963	-363	-1,615	-5,248	-453%
29 Organic Chemicals.....	-317	-195	17	108	-447	-836	-735	-2,889	-4,976	-812%
91 Clocks And Watches.....	-603	-623	-682	-759	-695	-688	-680	-650	-4,778	-8%
20 Preserved Food.....	-143	-184	-295	-386	-475	-533	-888	-1,186	-3,946	-727%
92 Musical Instruments.....	-317	-391	-439	-533	-564	-535	-530	-582	-3,574	-84%

© CW McMillion/ MBG Information Services

US Deficits of **-\$1.35 Trillion** in Goods Trade With China Between 2002 to 2008

As composition of US Deficits with China changed rapidly

Industry: Customs Value	US Balance of Trade with China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
98 Special.....	-224	-216	-307	-347	-412	-478	-595	-506	-2,861	-126%
25 Salt;Sulfur;Earth,Stone.....	-223	-167	-178	-222	-402	-683	-435	-332	-2,419	-49%
28 Inorg Chem;Rare Erth Mt.....	-324	-359	-337	-270	-296	-272	-234	-532	-2,300	-64%
16 Prepared Meat,Fish,Etc.....	-87	-155	-233	-267	-326	-464	-399	-433	-2,276	-397%
66 Umbrella,Wlk-Sticks,Etc.....	-234	-218	-264	-295	-332	-346	-380	-402	-2,237	-72%
46 Straw,Esparto.....	-229	-279	-304	-315	-344	-326	-317	-298	-2,183	-30%
57 Textile Floor Coverings.....	-214	-253	-277	-283	-299	-338	-358	-349	-2,157	-63%
33 Perfumery,Cosmetic,Etc.....	-132	-164	-165	-185	-230	-272	-363	-416	-1,795	-216%
97 Art And Antiques.....	-153	-149	-161	-158	-268	-258	-347	-268	-1,608	-76%
05 Other Of Animal Origin.....	-131	-159	-181	-218	-211	-210	-251	-213	-1,443	-62%
36 Explosives.....	-130	-141	-171	-176	-209	-208	-197	-176	-1,278	-36%
58 Spcl Woven Fabric,Etc.....	-49	-70	-95	-119	-195	-237	-246	-260	-1,222	-431%
07 Vegetables.....	-55	-83	-89	-127	-154	-217	-278	-265	-1,213	-381%
86 Railway;Trf Sign Eq.....	-24	-36	-91	-91	-184	-137	-223	-130	-892	-451%
34 Soap,Wax,Et;Dental Prep.....	-133	-164	-169	-195	-133	-51	-26	43	-695	133%
60 Knit,Crocheted Fabrics.....	5	-35	-46	-52	-124	-113	-136	-144	-650	-3294%
09 Spices,Coffee And Tea.....	-46	-55	-68	-85	-92	-89	-105	-132	-625	-187%
30 Pharmaceutical Products.....	-27	-8	-26	-44	-112	-92	-66	-245	-593	-802%
43 Furskin+Artificial Fur.....	-87	-91	-118	-139	-119	-88	-67	44	-578	150%
93 Arms And Ammunition.....	-15	-32	-38	-55	-72	-120	-112	-121	-550	-714%
80 Tin + Articles Thereof.....	-82	-48	-50	-90	-77	-80	-114	-75	-533	9%
54 Manmade Filament,Fabric.....	3	11	9	-19	-112	-91	-136	-184	-522	-6916%
89 Ships And Boats.....	-51	-25	-23	-25	-66	-98	-124	-102	-462	-100%
53 Other Veg Textile Fiber.....	-16	-21	-28	-55	-46	-63	-83	-135	-431	-750%
17 Sugars.....	-4	-34	-29	-29	-59	-69	-84	-103	-407	-2662%
50 Silk;Silk Yarn,Fabric.....	-37	-35	-38	-56	-62	-75	-70	-67	-403	-80%
19 Baking Related.....	-22	-28	-34	-39	-51	-70	-82	-95	-399	-325%
13 Lac;Vegetabl Sap,Extrct.....	-30	-34	-34	-50	-51	-57	-62	-65	-353	-115%
59 Impregnatd Text Fabrics.....	6	2	2	-28	-63	-70	-63	-95	-315	-1565%
32 Tanning,Dye,Paint,Putty.....	6	-19	-26	-55	-82	-60	-54	-17	-313	-369%
79 Zinc+Articles Thereof.....	-73	-74	-50	-27	-32	-25	-27	1	-233	101%
22 Beverages.....	-18	-22	-18	-19	-12	-95	-8	3	-171	114%
18 Cocoa.....	-5	-1	0	-14	-32	-35	-27	-54	-162	-1029%
23 Food Waste; Animal Feed.....	42	51	47	23	-15	-76	-73	-92	-135	-318%
06 Live Trees And Plants.....	-9	-11	-14	-13	-15	-17	-21	-21	-112	-140%
56 Wadding,Felt,Twine,Rope.....	-24	-6	-6	-21	-43	15	-13	-13	-88	-46%
08 Edible Fruit And Nuts.....	7	-4	-12	-27	28	-3	-45	-25	-87	-459%
45 Cork.....	-1	-2	-5	-8	-11	-17	-19	-25	-86	-1897%
76 Aluminum.....	85	-91	-122	-230	-303	124	130	413	-78	389%

© CW McMillion/ MBG Information Services

US Deficits of -\$1.35 Trillion in Goods Trade With China Between 2002 to 2008

As composition of US Deficits with China changed rapidly

Industry: Customs Value	US Balance of Trade with China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
78 Lead.....	-16	2	12	-0	-19	-51	-2	0	-59	103%
14 Other Vegetable.....	-4	-6	-6	-0	-12	-7	-11	-11	-52	-137%
11 Milling;Malt;Starch.....	2	-0	-5	-8	-7	-12	-3	-7	-42	-476%
01 Live Animals.....	3	2	9	-11	-7	-12	-15	-0	-34	-104%
51 Animal Hair+Yarn,Fabrc.....	-3	-2	4	-0	-10	-8	-4	-8	-29	-165%
35 Albumins;Mod Strch;Glue.....	35	25	36	33	1	13	-21	-46	42	-233%
81 Other Base Metals, Etc.....	-107	-47	-40	-97	285	396	-100	-280	117	-160%
24 Tobacco.....	-24	-33	-12	7	-6	51	49	96	153	497%
21 Miscellaneous Food.....	23	5	98	120	13	-5	-26	-30	175	-228%
55 Manmade Staple Fibers.....	56	47	47	104	48	-53	-0	11	204	-80%
04 Dairy,Eggs,Honey,Etc.....	4	11	-10	3	14	50	100	124	292	3170%
15 Fats And Oils.....	8	22	94	24	7	48	141	138	475	1535%
37 Photographic/Cinematogr.....	36	72	95	-23	-13	67	127	196	521	442%
10 Cereals.....	21	28	13	480	80	-6	-27	-15	554	-169%
75 Nickel+Articles Thereof.....	17	22	26	46	74	74	136	178	556	931%
72 Iron And Steel.....	261	251	882	51	377	-409	127	-323	957	-224%
31 Fertilizers.....	398	672	402	257	335	185	-104	-151	1,595	-138%
38 Misc. Chemical Products.....	133	135	96	257	203	274	492	487	1,945	267%
26 Ores,Slag,Ash.....	5	-7	34	105	379	398	842	617	2,368	12937%
02 Meat.....	66	74	134	57	189	353	711	974	2,492	1373%
41 Hides And Skins.....	428	427	477	526	625	831	932	879	4,696	106%
74 Copper+Articles Thereof.....	140	154	435	345	504	1,027	1,359	1,149	4,973	721%
52 Cotton+Yarn,Fabric.....	-101	-29	586	1,261	1,221	1,844	1,239	1,398	7,520	1481%
47 Woodpulp, Etc.....	329	414	605	743	993	1,471	2,046	2,270	8,542	591%
12 Soybeans, Misc Grain,Seed,Fruit.....	964	956	2,846	2,261	2,161	2,454	4,031	7,159	21,869	643%
88 Aircraft,Spacecraft.....	2,389	3,374	2,368	1,871	4,256	5,956	7,006	4,916	29,748	106%

US Department of Commerce, World Trade Atlas and MBG Information Services

© CW McMillion/ MBG Information Services

The US Exported \$319 Billion of Goods To China Between 2002 to 2008 As composition of US Exports to China changed rapidly

Industry: Customs Value	US Exports to China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$17,122	\$19,882	\$23,133	\$28,655	\$35,906	\$47,581	\$55,341	\$57,585	\$268,083	236%
Merchandise Totals.....	19,182	22,128	28,368	34,744	41,925	55,186	65,236	71,457	319,044	273%
Machinery/Computers: HS 84-85	7,485	8,046	9,419	12,309	13,233	17,890	19,543	21,133	101,573	182%
Textiles and Apparel HS50-63 less raw cotton....	255	330	399	509	630	715	798	892	4,273	250%
Agriculture Totals: HS01-24	1,609	1,672	3,929	3,843	3,543	4,264	6,515	10,153	33,918	531%
85 Electrical Machinery.....	\$3,432	\$3,949	\$4,782	\$6,084	\$6,868	\$10,177	\$10,693	\$11,384	\$53,938	232%
84 Machinery/Computers.....	4,053	4,097	4,637	6,225	6,364	7,713	8,850	9,749	47,635	141%
88 Aircraft,Spacecraft.....	2,448	3,429	2,430	1,951	4,341	6,089	7,198	5,108	30,547	109%
12 Soybeans, Misc Grain,Seed,Fruit.....	1,032	1,025	2,936	2,371	2,285	2,587	4,179	7,364	22,747	614%
90 Optic,Nt 8544;Med Instr.....	1,249	1,243	1,595	2,084	2,400	2,941	3,314	3,742	17,319	200%
39 Plastic.....	839	984	1,245	1,796	2,262	2,716	3,601	3,837	16,441	357%
72 Iron And Steel.....	456	494	1,101	1,100	1,596	1,777	2,225	2,443	10,737	436%
29 Organic Chemicals.....	399	619	1,112	1,550	1,513	1,417	2,101	2,084	10,396	422%
52 Cotton+Yarn,Fabric.....	51	155	768	1,432	1,417	2,082	1,483	1,638	8,975	3100%
47 Woodpulp, Etc.....	329	415	606	744	995	1,473	2,053	2,283	8,570	594%
74 Copper+Articles Thereof.....	287	320	650	674	903	1,775	2,162	2,058	8,542	617%
76 Aluminum.....	291	268	345	515	946	1,736	1,819	2,115	7,744	628%
87 Vehicles, Not Railway.....	245	290	432	656	941	1,291	1,970	1,878	7,457	665%
41 Hides And Skins.....	431	442	514	580	675	877	973	911	4,972	111%
38 Misc. Chemical Products.....	229	249	299	454	484	669	907	1,083	4,145	372%
28 Inorg Chem;Rare Erth Mt.....	102	161	182	346	487	687	727	968	3,557	846%
48 Paper,Paperboard.....	329	403	431	489	489	466	549	574	3,401	75%
44 Wood.....	140	224	257	383	475	551	578	525	2,991	274%
98 Special.....	208	228	266	346	389	483	551	664	2,928	219%
26 Ores,Slag,Ash.....	30	12	55	152	424	456	896	720	2,715	2326%
02 Meat.....	70	82	140	65	199	365	728	990	2,570	1320%
73 Iron/Steel Products.....	89	97	114	237	310	397	557	852	2,565	858%
40 Rubber.....	84	99	174	219	347	445	572	669	2,525	699%
03 Fish And Seafood.....	103	114	175	251	347	439	527	547	2,401	430%
31 Fertilizers.....	420	676	459	306	355	232	97	192	2,317	-54%
81 Other Base Metals, Etc.....	18	24	53	95	497	677	289	327	1,963	1742%
55 Manmade Staple Fibers.....	119	132	144	210	257	245	304	358	1,650	202%
71 Precious Stones,Metals.....	67	61	69	93	140	347	511	402	1,623	500%
27 Mineral Fuel, Oil Etc.....	93	95	138	218	134	206	298	446	1,535	381%
30 Pharmaceutical Products.....	54	80	88	99	176	238	355	392	1,429	627%
32 Tanning,Dye,Paint,Putty.....	125	115	126	132	173	231	280	332	1,388	166%
34 Soap,Wax,Et;Dental Prep.....	41	61	97	125	139	196	250	320	1,188	683%
70 Glass And Glassware.....	59	49	85	127	132	188	240	288	1,110	389%

© CW McMillion/ MBG Information Services

The US Exported \$319 Billion of Goods To China Between 2002 to 2008 As composition of US Exports to China changed rapidly

Industry: Customs Value	US Exports to China: \$ Millions Each Year							7 Yr Total: 2002-2008	Change: 2008 v 2001	
	2001	2002	2003	2004	2005	2006	2007			2008
37 Photographic/Cinematogr.....	51	84	143	169	172	145	153	221	1,087	333%
56 Wadding,Felt,Twine,Rope.....	17	49	71	86	130	218	229	264	1,046	1496%
33 Perfumery,Cosmetic,Etc.....	38	52	69	84	117	146	174	193	836	410%
94 Furniture And Bedding.....	88	80	85	83	112	125	167	183	835	109%
25 Salt;Sulfur;Earth,Stone.....	61	68	78	91	113	114	146	182	793	197%
21 Miscellaneous Food.....	61	47	148	181	81	85	87	116	746	90%
82 Tool,Cutlry, Of Base Mtls.....	60	106	51	66	92	106	137	168	726	182%
10 Cereals.....	22	29	36	496	81	32	18	11	703	-51%
08 Edible Fruit And Nuts.....	39	47	51	72	138	132	109	146	695	277%
86 Railway;Trf Sign Eq.....	22	11	31	48	84	204	84	225	687	933%
75 Nickel+Articles Thereof.....	20	24	30	51	87	107	149	196	644	863%
15 Fats And Oils.....	14	29	103	35	22	68	174	180	610	1175%
35 Albumins;Mod Strch;Glue.....	47	45	70	89	73	98	97	125	598	166%
23 Food Waste; Animal Feed.....	63	80	82	66	73	62	92	107	563	69%
49 Book+Newspapr;Manuscrpt.....	70	63	72	52	63	78	94	142	563	103%
68 Stone,Plastr,Cement,Etc.....	34	39	44	79	86	99	100	112	558	231%
04 Dairy,Eggs,Honey,Etc.....	25	25	31	39	41	81	116	140	473	454%
05 Other Of Animal Origin.....	41	39	40	52	68	71	78	105	453	152%
54 Manmade Filament,Fabric.....	30	52	64	54	56	71	62	74	433	150%
20 Preserved Food.....	34	42	51	56	48	61	73	94	426	175%
79 Zinc+Articles Thereof.....	5	8	22	42	50	91	106	102	420	2070%
83 Misc Art Of Base Metal.....	25	22	28	46	53	74	79	98	402	296%
59 Impregnatd Text Fabrics.....	20	33	52	62	59	56	64	71	396	250%
95 Toys, Video Games, Sports Equip.....	29	26	34	60	67	52	79	68	385	135%
43 Furskin+Artificial Fur.....	5	6	15	41	46	47	47	126	328	2224%
69 Ceramic Products.....	54	40	48	49	36	43	49	47	313	-12%
24 Tobacco.....	2	1	6	27	6	64	68	111	284	6003%
64 Footwear.....	47	35	37	32	42	58	39	38	281	-19%
16 Prepared Meat,Fish,Etc.....	20	31	16	18	31	37	63	25	221	26%
17 Sugars.....	22	13	25	40	29	34	41	24	205	5%
97 Art And Antiques.....	17	27	9	17	11	22	34	75	194	345%
58 Spcl Woven Fabric,Etc.....	5	17	18	31	38	27	17	17	166	227%
13 Lac;Vegetabl Sap,Extrct.....	14	14	21	15	18	23	27	30	147	117%
01 Live Animals.....	9	14	17	3	16	17	20	42	129	386%
96 Miscellaneous Manufacturing.....	9	11	13	16	18	24	21	23	128	172%
22 Beverages.....	5	7	6	9	10	18	25	34	111	597%
19 Baking Related.....	9	10	11	13	15	19	16	22	105	141%
89 Ships And Boats.....	4	4	13	28	17	5	16	14	97	236%
07 Vegetables.....	6	7	10	10	12	21	21	17	96	164%

© CW McMillion/ MBG Information Services

The US Exported \$319 Billion of Goods To China Between 2002 to 2008 As composition of US Exports to China changed rapidly

Industry: Customs Value	US Exports to China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
51 Animal Hair+Yarn,Fabrc.....	2	3	9	7	9	19	25	19	91	708%
42 Leathr Art;Saddlry;Bags.....	12	8	7	11	11	13	19	21	89	78%
61 Knit Apparel.....	5	5	6	11	23	10	14	15	85	226%
63 Misc Textile Articles.....	5	4	7	8	16	15	17	17	83	258%
18 Cocoa.....	6	9	13	8	11	14	14	12	80	84%
62 Woven Apparel.....	27	14	6	12	11	11	11	13	76	-54%
92 Musical Instruments.....	2	4	7	8	10	10	14	18	70	651%
57 Textile Floor Coverings.....	4	3	3	4	5	10	14	24	64	490%
36 Explosives.....	2	2	2	4	5	8	18	23	62	1323%
11 Milling;Malt;Starch.....	4	3	4	4	5	13	15	10	54	182%
78 Lead.....	14	16	14	3	6	3	5	6	52	-58%
60 Knit,Crocheted Fabrics.....	10	5	4	5	8	7	10	11	50	8%
09 Spices,Coffee And Tea.....	2	1	1	1	4	11	14	15	47	637%
67 Artif Flowers,Feathers.....	5	5	6	5	5	6	5	12	44	147%
14 Other Vegetable.....	4	3	4	10	0	7	7	9	40	116%
50 Silk;Silk Yarn,Fabric.....	3	2	5	7	7	4	5	2	31	-36%
91 Clocks And Watches.....	4	5	3	3	4	3	5	4	27	7%
80 Tin + Articles Thereof.....	3	3	4	4	4	5	2	4	26	34%
46 Straw,Esparto.....	0	1	1	2	4	6	5	1	20	645%
06 Live Trees And Plants.....	1	2	1	2	2	3	2	3	14	169%
45 Cork.....	2	1	1	1	1	2	3	3	12	82%
93 Arms And Ammunition.....	1	0	0	6	2	1	1	0	10	-62%
65 Headgear.....	1	0	0	1	1	1	1	2	7	163%
53 Other Veg Textile Fiber.....	0	1	0	2	1	1	0	0	6	34%
66 Umbrella,Wlk-Sticks,Etc.....	0	0	0	0	0	1	1	1	4	101%

US Department of Commerce, World Trade Atlas and MBG Information Services

© CW McMillion/ MBG Information Services

The US Imported \$1.66 Trillion of Goods From China Between 2002 to 2008 As composition of US Imports from China changed rapidly

Industry: Customs Value	US Imports from China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$98,705	\$121,048	\$147,279	\$189,911	\$235,453	\$277,738	\$310,934	\$325,071	\$1,607,434	229%
Merchandise Totals.....	102,278	125,192	152,436	196,682	243,470	287,774	321,443	337,790	1,664,788	230%
Machinery/Computers: HS 84-85	33,448	44,628	58,714	84,036	105,815	127,167	140,745	145,495	706,600	335%
Textiles and Apparel HS50-63 less raw cotton....	8,272	9,590	12,034	14,953	22,452	26,425	31,185	31,489	148,128	281%
Agriculture Totals: HS01-24	1,494	1,897	2,450	2,866	3,316	4,270	4,911	5,560	25,269	272%
85 Electrical Machinery.....	\$19,727	\$24,412	\$28,786	\$40,199	\$53,082	\$64,894	\$76,719	\$80,348	\$368,441	307%
84 Machinery/Computers.....	13,721	20,216	29,928	43,837	52,733	62,273	64,026	65,147	338,159	375%
95 Toys, Video Games, Sports Equip.....	12,215	14,442	16,115	17,224	19,143	20,897	26,127	27,181	141,129	123%
94 Furniture And Bedding.....	7,492	9,924	11,822	14,420	17,052	19,360	20,362	19,405	112,345	159%
64 Footwear.....	9,757	10,227	10,564	11,348	12,725	13,888	14,135	14,479	87,366	48%
62 Woven Apparel.....	4,153	4,478	5,491	6,619	10,235	11,857	13,404	13,317	65,400	221%
73 Iron/Steel Products.....	2,108	2,535	3,200	4,613	6,196	8,365	9,765	12,038	46,713	471%
61 Knit Apparel.....	2,278	2,619	3,199	4,104	6,575	8,012	10,561	10,683	45,754	369%
39 Plastic.....	3,237	3,766	4,281	5,195	6,635	7,467	8,249	8,937	44,529	176%
42 Leathr Art;Saddlry;Bags.....	3,910	4,472	5,050	5,710	6,258	6,837	7,231	7,386	42,945	89%
90 Optic,Nt 8544;Med Instr.....	2,759	2,760	3,244	3,787	4,126	4,776	5,555	6,158	30,407	123%
87 Vehicles, Not Railway.....	1,544	1,946	2,467	3,379	4,209	5,134	6,087	6,384	29,606	313%
63 Misc Textile Articles.....	1,206	1,651	2,360	3,062	3,970	4,629	5,135	5,166	25,973	328%
83 Misc Art Of Base Metal.....	988	1,278	1,443	1,855	2,297	2,983	3,388	3,349	16,593	239%
44 Wood.....	841	1,061	1,277	1,833	2,319	2,997	3,104	2,883	15,475	243%
29 Organic Chemicals.....	716	814	1,095	1,442	1,960	2,252	2,836	4,973	15,372	594%
71 Precious Stones, Metals.....	870	1,205	1,462	1,806	2,205	2,563	2,787	2,706	14,734	211%
O Specl Impr Provisions	784	957	1,230	1,652	2,069	2,502	2,776	2,966	14,153	278%
40 Rubber.....	486	680	873	1,256	1,898	2,473	3,093	3,350	13,623	589%
82 Tool,Cutlry, Of Base Mtls.....	1,000	1,216	1,424	1,619	1,867	2,087	2,389	2,517	13,118	152%
48 Paper,Paperboard.....	635	806	1,043	1,293	1,571	1,865	2,146	2,334	11,057	268%
96 Miscellaneous Manufacturing.....	850	925	1,037	1,220	1,422	1,590	1,816	1,871	9,880	120%
72 Iron And Steel.....	195	243	220	1,048	1,219	2,186	2,098	2,767	9,780	1321%
69 Ceramic Products.....	918	1,065	1,160	1,213	1,352	1,593	1,674	1,681	9,738	83%
49 Book+Newspapr;Manuscrpt.....	448	592	724	944	1,193	1,409	1,715	1,816	8,393	305%
03 Fish And Seafood.....	549	680	897	956	1,089	1,426	1,550	1,704	8,302	210%
67 Artif Flowers,Feathers.....	963	1,051	1,098	1,114	1,150	1,208	1,270	1,240	8,132	29%
76 Aluminum.....	206	359	467	745	1,249	1,611	1,689	1,701	7,821	726%
70 Glass And Glassware.....	499	593	706	859	1,041	1,229	1,382	1,436	7,246	188%
68 Stone,Plastr,Cement,Etc.....	634	729	756	865	1,011	1,173	1,263	1,149	6,945	81%
27 Mineral Fuel, Oil Etc.....	385	418	457	1,025	993	1,169	661	2,061	6,783	436%
28 Inorg Chem;Rare Erth Mt.....	427	520	518	616	783	959	962	1,499	5,857	251%
98 Special.....	433	444	574	693	800	962	1,146	1,171	5,790	171%

© CW McMillion/ MBG Information Services

The US Imported \$1.66 Trillion of Goods From China Between 2002 to 2008 As composition of US Imports from China changed rapidly

Industry: Customs Value	US Imports from China: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
65 Headgear.....	334	479	628	741	867	1,001	1,011	1,029	5,757	208%
91 Clocks And Watches.....	607	629	685	761	699	692	685	654	4,805	8%
20 Preserved Food.....	178	227	346	442	523	594	961	1,280	4,372	620%
92 Musical Instruments.....	319	395	446	541	574	544	545	600	3,645	88%
74 Copper+Articles Thereof.....	147	166	215	329	399	748	803	909	3,570	518%
25 Salt;Sulfur;Earth,Stone.....	284	235	256	313	515	798	582	514	3,212	81%
33 Perfumery,Cosmetic,Etc.....	170	217	234	269	348	418	537	610	2,631	259%
16 Prepared Meat,Fish,Etc.....	107	186	249	285	356	501	462	458	2,497	327%
66 Umbrella,Wlk-Sticks,Etc.....	234	218	265	295	332	347	381	403	2,241	72%
57 Textile Floor Coverings.....	218	256	281	287	305	348	372	373	2,221	71%
46 Straw,Esparto.....	229	280	305	317	348	332	322	299	2,203	30%
38 Misc. Chemical Products.....	97	114	202	197	281	395	415	596	2,200	516%
30 Pharmaceutical Products.....	81	88	114	143	289	330	421	637	2,022	686%
05 Other Of Animal Origin.....	173	198	222	269	279	281	329	318	1,896	84%
34 Soap,Wax,Et;Dental Prep.....	174	225	266	321	272	247	276	277	1,884	59%
81 Other Base Metals, Etc.....	125	72	93	192	212	281	389	607	1,845	385%
97 Art And Antiques.....	170	175	169	174	279	280	381	343	1,802	102%
32 Tanning,Dye,Paint,Putty.....	118	133	152	188	255	291	333	349	1,701	195%
86 Railway;Trf Sign Eq.....	45	46	123	138	268	341	307	355	1,579	683%
52 Cotton+Yarn,Fabric.....	152	183	182	170	196	237	244	240	1,454	57%
55 Manmade Staple Fibers.....	62	85	97	106	208	298	304	347	1,445	459%
58 Spcl Woven Fabric,Etc.....	54	88	113	150	233	264	264	277	1,388	411%
36 Explosives.....	131	144	172	180	214	216	214	200	1,339	52%
07 Vegetables.....	61	89	99	137	166	238	299	282	1,310	359%
56 Wadding,Felt,Twine,Rope.....	41	55	77	107	174	203	242	277	1,134	582%
54 Manmade Filament,Fabric.....	27	41	55	73	168	162	198	258	955	857%
43 Furskin+Artificial Fur.....	92	98	133	180	165	135	113	82	905	-11%
12 Soybeans, Misc Grain,Seed,Fruit.....	67	68	90	110	124	132	148	204	878	203%
88 Aircraft,Spacecraft.....	59	54	62	80	84	133	192	192	798	225%
08 Edible Fruit And Nuts.....	32	51	62	99	110	135	154	171	782	439%
31 Fertilizers.....	22	4	57	50	20	47	201	343	722	1437%
59 Impregnatd Text Fabrics.....	14	31	50	91	121	127	126	165	711	1104%
60 Knit,Crochetd Fabrics.....	6	40	50	56	132	120	146	155	700	2628%
23 Food Waste; Animal Feed.....	21	30	35	42	88	138	165	200	698	843%
09 Spices,Coffee And Tea.....	48	55	69	86	96	100	119	147	672	207%
79 Zinc+Articles Thereof.....	78	82	72	69	82	116	133	101	654	30%
17 Sugars.....	26	47	54	69	88	103	125	126	611	382%
21 Miscellaneous Food.....	38	42	50	61	68	89	114	146	571	289%
37 Photographic/Cinematogr.....	15	13	48	192	184	78	26	25	566	67%

© CW McMillion/ MBG Information Services

The US Imported \$1.66 Trillion of Goods From China Between 2002 to 2008 As composition of US Imports from China changed rapidly

Industry: Customs Value	US Imports from China: \$ Millions Each Year							7 Yr Total: 2002-2008	Change: 2008 v 2001	
	2001	2002	2003	2004	2005	2006	2007			2008
93 Arms And Ammunition.....	16	32	38	61	74	121	114	121	561	651%
80 Tin + Articles Thereof.....	85	51	53	93	81	85	117	79	559	-8%
89 Ships And Boats.....	55	29	37	53	83	103	139	115	559	110%
35 Albumins;Mod Strch;Glue.....	12	20	34	56	72	85	118	171	556	1299%
19 Baking Related.....	31	38	45	52	67	88	98	117	504	272%
13 Lac;Vegetabl Sap,Extrct.....	44	48	55	64	69	80	89	95	500	116%
53 Other Veg Textile Fiber.....	16	22	29	57	47	64	83	135	437	736%
50 Silk;Silk Yarn,Fabric.....	40	36	43	63	69	79	75	69	434	71%
26 Ores,Slag,Ash.....	25	19	21	48	45	58	53	103	346	313%
22 Beverages.....	23	29	24	28	23	113	34	31	281	36%
41 Hides And Skins.....	3	14	38	54	51	45	42	32	276	866%
18 Cocoa.....	11	10	13	22	42	48	41	66	242	491%
04 Dairy,Eggs,Honey,Etc.....	21	14	41	35	27	32	16	16	181	-27%
01 Live Animals.....	6	12	9	14	24	29	35	42	163	618%
10 Cereals.....	1	1	23	16	1	38	45	26	149	2190%
15 Fats And Oils.....	6	6	9	11	15	20	32	42	136	643%
24 Tobacco.....	26	33	18	20	12	13	19	15	130	-43%
06 Live Trees And Plants.....	10	13	15	15	17	20	23	24	126	143%
51 Animal Hair+Yarn,Fabrc.....	5	5	5	7	19	27	30	27	121	414%
78 Lead.....	30	14	2	3	25	54	7	5	111	-82%
45 Cork.....	3	3	6	9	12	19	22	28	98	824%
11 Milling;Malt;Starch.....	2	3	8	13	12	25	19	17	96	826%
14 Other Vegetable.....	8	9	10	10	12	14	18	19	92	127%
75 Nickel+Articles Thereof.....	3	3	4	5	13	33	13	17	88	470%
02 Meat.....	4	8	6	8	10	12	17	16	78	339%
47 Woodpulp, Etc.....	0	1	1	1	2	2	7	13	28	3753%

US Department of Commerce, World Trade Atlas and MBG Information Services

© CW McMillion/ MBG Information Services

US Deficits of **-\$4.83 Trillion** in Goods Trade With the World From 2002 to 2008 As composition of US Deficits moved rapidly upstream

Industry: Customs Value	US Balance of Trade with the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	-\$282,027	-\$336,630	-\$369,258	-\$434,470	-\$469,141	-\$484,360	-\$450,839	-\$389,825	-\$2,934,524	-38%
Merchandise Totals.....	-411,899	-468,263	-532,350	-650,930	-767,477	-817,304	-794,483	-800,006	-4,830,811	-94%
Machinery/Computers: HS 84-85	-48,570	-72,824	-84,539	-110,645	-133,156	-144,842	-151,321	-135,315	-832,642	-179%
Textiles and Apparel HS50-63 less raw cotton....	-55,693	-57,882	-63,459	-69,034	-74,645	-78,051	-81,695	-78,143	-502,908	-40%
Agriculture Totals: HS01-24	4,600	719	619	-4,012	-7,812	-8,946	3,561	21,000	5,130	-357%
27 Mineral Fuel, Oil Etc.....	-\$109,264	-\$104,152	-\$139,173	-\$187,662	-\$263,071	-\$297,696	-\$322,825	-\$411,286	-\$1,725,864	-276%
87 Vehicles, Not Railway.....	-100,201	-107,660	-109,633	-117,220	-115,975	-123,266	-107,055	-83,616	-764,425	17%
85 Electrical Machinery.....	-32,005	-41,379	-44,918	-59,802	-77,767	-83,293	-100,306	-98,700	-506,166	-208%
84 Machinery/Computers.....	-16,565	-31,444	-39,621	-50,843	-55,388	-61,549	-51,015	-36,615	-326,476	-121%
62 Woven Apparel.....	-29,104	-28,513	-31,107	-33,409	-35,695	-36,118	-36,037	-34,043	-234,922	-17%
61 Knit Apparel.....	-22,976	-24,600	-26,692	-28,880	-30,707	-33,022	-35,898	-35,368	-215,166	-54%
94 Furniture And Bedding.....	-17,122	-20,995	-24,070	-27,485	-30,357	-32,227	-32,651	-29,328	-197,113	-71%
95 Toys, Video Games, Sports Equip.....	-16,403	-17,810	-17,086	-17,721	-19,764	-20,361	-23,741	-23,960	-140,442	-46%
O Specl Impr Provisions	-13,237	-13,045	-14,067	-16,194	-18,226	-20,190	-21,186	-22,788	-125,696	-72%
64 Footwear.....	-14,427	-14,685	-14,908	-15,852	-17,202	-18,330	-18,518	-18,506	-118,002	-28%
30 Pharmaceutical Products.....	-3,475	-8,474	-11,842	-11,621	-13,725	-16,860	-19,705	-18,469	-100,698	-432%
44 Wood.....	-9,709	-10,624	-11,381	-17,019	-17,655	-16,368	-11,825	-7,364	-92,236	24%
73 Iron/Steel Products.....	-5,547	-6,347	-6,988	-10,337	-12,890	-14,906	-16,728	-20,087	-88,283	-262%
22 Beverages.....	-6,939	-7,934	-8,945	-9,515	-10,747	-13,504	-13,542	-13,313	-77,501	-92%
29 Organic Chemicals.....	-12,704	-13,556	-12,826	-8,002	-9,940	-9,710	-7,315	-14,668	-76,017	-15%
71 Precious Stones, Metals.....	-11,503	-13,014	-13,000	-15,329	-15,183	-12,512	-7,017	1,561	-74,494	114%
98 Special.....	-11,985	-13,734	-11,548	-10,328	-11,451	-10,236	-7,969	-3,607	-68,874	70%
72 Iron And Steel.....	-5,501	-6,562	-3,586	-13,512	-10,825	-16,292	-8,541	-8,264	-67,584	-50%
42 Leathr Art; Saddlry; Bags.....	-6,458	-6,488	-6,822	-7,404	-7,648	-8,336	-8,916	-8,947	-54,560	-39%
63 Misc Textile Articles.....	-3,895	-4,733	-5,692	-6,824	-7,884	-8,686	-9,133	-8,864	-51,815	-128%
40 Rubber.....	-2,665	-3,742	-4,771	-5,913	-7,313	-7,912	-8,009	-8,915	-46,575	-235%
76 Aluminum.....	-3,505	-4,071	-4,633	-6,618	-7,955	-8,885	-7,023	-5,658	-44,843	-61%
03 Fish And Seafood.....	-5,019	-5,166	-5,737	-5,398	-5,602	-6,356	-6,791	-7,014	-42,064	-40%
48 Paper, Paperboard.....	-4,127	-4,315	-4,454	-5,334	-5,449	-5,554	-3,859	-2,824	-31,789	32%
74 Copper+Articles Thereof.....	-2,574	-2,052	-1,328	-2,145	-4,113	-7,644	-5,887	-4,488	-27,658	-74%
69 Ceramic Products.....	-2,734	-3,014	-3,387	-3,682	-3,983	-4,296	-3,812	-3,352	-25,527	-23%
83 Misc Art Of Base Metal.....	-1,571	-2,050	-2,356	-3,145	-4,011	-4,486	-4,866	-4,295	-25,209	-173%
91 Clocks And Watches.....	-2,601	-2,786	-3,134	-3,231	-3,415	-3,408	-3,657	-3,513	-23,144	-35%
68 Stone, Plastr, Cement, Etc.....	-2,232	-2,504	-2,716	-3,200	-3,659	-3,986	-3,846	-3,114	-23,025	-39%
09 Spices, Coffee And Tea.....	-1,799	-1,847	-2,194	-2,379	-2,961	-3,243	-3,755	-4,404	-20,783	-145%
82 Tool, Cutlry, Of Base Mtls.....	-1,440	-1,873	-2,307	-2,542	-2,521	-2,836	-2,795	-2,215	-17,088	-54%
16 Prepared Meat, Fish, Etc.....	-1,397	-1,622	-1,824	-2,149	-2,189	-2,554	-2,279	-2,404	-15,021	-72%
28 Inorg Chem; Rare Erth Mt.....	-645	-620	-1,743	-1,848	-2,055	-2,004	-2,597	-4,090	-14,956	-534%
96 Miscellaneous Manufacturing.....	-1,663	-1,744	-1,826	-2,073	-2,173	-2,253	-2,312	-2,217	-14,598	-33%

© CW McMillion/ MBG Information Services

US Deficits of **-\$4.83 Trillion** in Goods Trade With the World From 2002 to 2008 As composition of US Deficits moved rapidly upstream

Industry: Customs Value	US Balance of Trade with the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
07 Vegetables.....	-1,092	-1,210	-1,562	-1,872	-1,885	-2,111	-2,237	-2,166	-13,043	-98%
18 Cocoa.....	-808	-1,107	-1,716	-1,697	-1,929	-1,768	-1,651	-2,120	-11,989	-162%
75 Nickel+Articles Thereof.....	-478	-395	-704	-1,341	-1,379	-2,122	-3,201	-1,679	-10,821	-251%
01 Live Animals.....	-\$1,342	-\$1,449	-\$828	-\$921	-\$1,417	-\$1,840	-\$2,346	-\$1,895	-10,696	-41%
20 Preserved Food.....	-534	-671	-1,125	-1,329	-1,484	-1,578	-2,218	-2,274	-10,680	-326%
79 Zinc+Articles Thereof.....	-994	-991	-841	-970	-989	-1,974	-2,496	-1,536	-9,797	-55%
17 Sugars.....	-811	-1,065	-1,244	-1,255	-1,541	-1,864	-1,052	-1,476	-9,496	-82%
65 Headgear.....	-1,156	-1,167	-1,249	-1,398	-1,364	-1,466	-1,433	-1,393	-9,470	-21%
97 Art And Antiques.....	-1,379	-2,630	-1,641	-1,782	-1,177	-1,048	-1,693	550	-9,421	140%
67 Artif Flowers,Feathers.....	-1,069	-1,147	-1,183	-1,198	-1,233	-1,311	-1,388	-1,351	-8,810	-26%
19 Baking Related.....	-429	-756	-949	-1,008	-1,086	-1,298	-1,383	-1,250	-7,731	-192%
06 Live Trees And Plants.....	-871	-862	-960	-1,064	-1,041	-1,068	-1,126	-1,027	-7,149	-18%
70 Glass And Glassware.....	-350	-812	-919	-1,197	-1,348	-1,257	-976	-484	-6,993	-38%
57 Textile Floor Coverings.....	-683	-825	-956	-1,027	-1,067	-1,117	-1,069	-804	-6,866	-18%
25 Salt;Sulfur;Earth,Stone.....	-400	-438	-518	-692	-1,324	-1,404	-880	-1,251	-6,508	-213%
92 Musical Instruments.....	-859	-881	-912	-971	-931	-785	-723	-702	-5,905	18%
46 Straw,Esparto.....	-307	-349	-382	-404	-427	-412	-424	-398	-2,795	-30%
80 Tin + Articles Thereof.....	-210	-169	-184	-413	-293	-377	-475	-609	-2,520	-191%
66 Umbrella,Wlk-Sticks,Etc.....	-279	-264	-300	-329	-357	-369	-401	-420	-2,440	-51%
54 Manmade Filament,Fabric.....	175	53	-77	-101	-492	-408	-519	-467	-2,012	-367%
13 Lac;Vegetabl Sap,Extrct.....	-203	-174	-219	-195	-286	-337	-282	-289	-1,783	-42%
31 Fertilizers.....	329	633	382	250	-461	-291	-1,289	-940	-1,716	-385%
50 Silk;Silk Yarn,Fabric.....	-209	-207	-216	-261	-269	-236	-236	-202	-1,628	3%
78 Lead.....	-84	-71	5	-82	-200	-308	-462	-465	-1,584	-455%
51 Animal Hair+Yarn,Fabrc.....	-237	-169	-184	-235	-231	-206	-220	-214	-1,458	10%
53 Other Veg Textile Fiber.....	-110	-98	-119	-161	-168	-184	-224	-262	-1,216	-138%
15 Fats And Oils.....	229	604	483	-216	-485	-675	-384	-539	-1,212	-335%
45 Cork.....	-146	-146	-154	-168	-160	-153	-197	-216	-1,195	-49%
43 Furskin+Artificial Fur.....	-146	-129	-192	-226	-196	-106	-20	40	-830	127%
14 Other Vegetable.....	-44	-23	-23	-13	-34	-36	-88	-89	-305	-102%
04 Dairy,Eggs,Honey,Etc.....	-295	-555	-632	-342	-288	-121	760	1,416	238	581%
58 Spcl Woven Fabric,Etc.....	295	334	89	137	26	-12	-123	-144	307	-149%
36 Explosives.....	-3	1	70	84	48	45	73	126	447	3970%
33 Perfumery,Cosmetic,Etc.....	1,439	1,158	291	-321	-673	-288	102	384	651	-73%
05 Other Of Animal Origin.....	69	39	97	-57	22	78	158	370	708	436%
81 Other Base Metals, Etc.....	-56	159	257	-85	214	520	5	-188	881	-235%
59 Impregnatd Text Fabrics.....	506	355	410	233	56	-8	-20	-97	929	-119%
11 Milling;Malt;Starch.....	201	260	207	144	215	340	490	-224	1,433	-211%
56 Wadding,Felt,Twine,Rope.....	152	138	220	172	286	489	258	420	1,983	177%
35 Albumins;Mod Strch;Glue.....	598	538	173	163	219	384	453	316	2,246	-47%

© CW McMillion/ MBG Information Services

US Deficits of **-\$4.83 Trillion** in Goods Trade With the World From 2002 to 2008

As composition of US Deficits moved rapidly upstream

Industry: Customs Value	US Balance of Trade with the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
55 Manmade Staple Fibers.....	399	384	428	432	377	334	246	466	2,668	17%
08 Edible Fruit And Nuts.....	159	13	174	217	588	517	293	1,023	2,825	544%
89 Ships And Boats.....	685	-86	-568	-298	275	1,158	1,246	1,565	3,292	128%
60 Knit,Crocheted Fabrics.....	-66	21	389	678	785	670	801	772	4,116	1269%
49 Book+Newspapr;Manuscrpt.....	1,022	497	512	452	535	649	757	1,060	4,462	4%
86 Railway;Trf Sign Eq.....	69	54	406	452	724	971	1,084	1,215	4,907	1672%
37 Photographic/Cinematogr.....	248	598	711	544	522	871	1,000	1,143	5,391	361%
93 Arms And Ammunition.....	1,321	1,123	693	954	826	1,032	1,021	843	6,492	-36%
26 Ores,Slag,Ash.....	-364	-383	-111	-28	815	2,086	2,777	2,375	7,530	752%
24 Tobacco.....	2,801	1,718	1,625	1,368	1,025	1,196	940	643	8,515	-77%
21 Miscellaneous Food.....	1,365	1,237	1,360	1,247	1,380	1,592	1,561	2,000	10,376	46%
34 Soap,Wax,Et;Dental Prep.....	950	895	1,086	1,435	1,564	1,892	2,174	2,871	11,918	202%
41 Hides And Skins.....	1,668	1,510	1,716	1,893	1,816	2,020	2,245	2,014	13,213	21%
32 Tanning,Dye,Paint,Putty.....	1,486	1,695	1,866	2,086	2,115	2,470	2,868	3,347	16,449	125%
47 Woodpulp, Etc.....	1,131	1,583	1,612	1,662	2,153	2,682	3,331	3,937	16,960	248%
02 Meat.....	2,998	2,123	2,893	-318	980	2,066	3,726	7,314	18,783	144%
23 Food Waste; Animal Feed.....	3,516	2,983	2,948	2,664	2,948	3,284	4,061	5,879	24,767	67%
52 Cotton+Yarn,Fabric.....	2,219	2,008	3,394	4,449	4,249	4,945	5,051	5,492	29,589	148%
38 Misc. Chemical Products.....	5,977	5,748	6,051	6,361	6,721	8,069	9,538	12,212	54,700	104%
39 Plastic.....	7,414	6,844	6,087	7,274	6,540	8,445	13,580	15,486	64,256	109%
90 Optic,Nt 8544;Med Instr.....	9,390	6,392	5,308	6,782	8,457	11,546	12,512	13,348	64,345	42%
12 Misc Grain,Seed,Fruit.....	6,095	6,764	8,922	7,742	7,355	8,003	11,247	16,667	66,701	173%
10 Cereals.....	8,749	9,420	9,869	12,334	10,652	12,331	19,459	26,172	100,236	199%
88 Aircraft,Spacecraft.....	23,450	26,236	23,898	25,451	33,753	49,432	54,348	50,439	263,556	115%

US Department of Commerce, World Trade Atlas and MBG Information Services

© CW McMillion/ MBG Information Services

The US Exported \$6.64 Trillion of Goods to the World From 2002 to 2008 As composition of US Exports changed rapidly

Industry: Customs Value	US Exports to the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$628,078	\$597,051	\$619,316	\$703,473	\$776,649	\$885,392	\$978,696	\$1,048,286	\$5,608,863	67%
Merchandise Totals.....	729,100	693,103	724,771	818,775	905,978	1,036,635	1,162,479	1,300,136	6,641,876	78%
Machinery/Computers: HS 84-85	267,295	240,796	243,807	274,982	296,697	328,295	347,472	365,323	2,097,373	37%
Textiles and Apparel HS50-63 less raw cotton....	17,829	17,268	17,057	17,752	18,019	18,220	17,520	17,760	123,595	-0%
Agriculture Totals: HS01-24	55,949	55,117	60,474	61,838	64,131	71,530	90,723	116,197	520,008	108%
84 Machinery/Computers.....	\$144,754	\$130,189	\$131,032	\$149,788	\$167,051	\$182,387	\$198,910	\$212,360	\$1,171,717	47%
85 Electrical Machinery.....	122,541	110,607	112,775	125,194	129,646	145,908	148,563	152,963	925,656	25%
87 Vehicles, Not Railway.....	59,132	62,764	65,567	73,918	83,687	92,349	107,213	111,457	596,955	88%
88 Aircraft,Spacecraft.....	44,700	43,873	40,807	41,718	50,092	66,881	76,164	71,993	391,528	61%
90 Optic,Nt 8544;Med Instr.....	44,237	41,168	44,068	51,315	55,321	61,973	66,317	70,620	390,782	60%
39 Plastic.....	26,546	27,187	28,935	33,834	38,254	42,811	48,003	51,221	270,246	93%
27 Mineral Fuel, Oil Etc.....	12,767	11,729	14,165	19,053	26,688	34,897	42,248	76,711	225,492	501%
29 Organic Chemicals.....	19,130	19,420	23,240	30,378	30,834	33,817	37,937	37,751	213,376	97%
71 Precious Stones,Metals.....	14,663	13,531	15,224	18,086	22,054	31,575	40,558	51,136	192,164	249%
98 Special.....	23,320	22,003	21,895	23,164	25,126	28,027	31,374	37,393	188,981	60%
30 Pharmaceutical Products.....	12,465	13,080	15,943	19,598	21,717	25,345	29,243	34,113	159,039	174%
10 Cereals.....	9,633	10,275	10,629	13,124	11,416	13,461	21,099	28,949	108,954	201%
38 Misc. Chemical Products.....	10,556	10,576	11,331	12,572	13,798	15,640	18,155	22,420	104,493	112%
48 Paper,Paperboard.....	10,874	10,335	10,641	11,521	12,369	13,235	14,373	15,557	88,031	43%
72 Iron And Steel.....	4,986	4,988	6,634	8,971	11,400	12,581	17,124	23,835	85,533	378%
73 Iron/Steel Products.....	8,313	8,017	8,176	9,444	11,303	13,504	14,914	17,720	83,080	113%
12 Misc Grain,Seed,Fruit.....	6,851	7,451	9,665	8,671	8,374	9,142	12,662	18,672	74,638	173%
28 Inorg Chem;Rare Erth Mt.....	6,115	5,932	6,110	6,846	8,634	10,044	11,649	13,709	62,925	124%
40 Rubber.....	6,662	6,456	6,631	7,623	8,569	9,665	10,738	11,501	61,184	73%
76 Aluminum.....	4,973	4,923	4,994	5,990	7,511	10,105	11,122	11,942	56,588	140%
02 Meat.....	6,799	5,912	6,772	4,777	6,089	6,561	8,343	11,679	50,135	72%
94 Furniture And Bedding.....	6,107	5,727	5,650	6,278	6,888	7,567	8,306	8,973	49,389	47%
33 Perfumery,Cosmetic,Etc.....	4,383	4,426	4,933	5,536	6,054	6,722	7,630	8,484	43,785	94%
08 Edible Fruit And Nuts.....	4,050	4,242	4,764	5,386	6,413	6,842	7,426	8,549	43,621	111%
44 Wood.....	5,254	5,100	5,182	5,893	6,130	6,555	6,845	6,784	42,489	29%
52 Cotton+Yarn,Fabric.....	4,029	3,982	5,218	6,377	5,904	6,467	6,371	6,644	40,964	65%
47 Woodpulp, Etc.....	3,761	3,947	4,207	4,611	5,201	5,863	7,065	7,941	38,836	111%
95 Toys, Video Games, Sports Equip.....	3,855	3,640	3,968	4,241	4,698	5,532	7,321	7,860	37,259	104%
32 Tanning,Dye,Paint,Putty.....	3,985	4,075	4,367	4,774	5,132	5,542	6,022	6,448	36,361	62%
49 Book+Newspapr;Manuscript.....	4,557	4,242	4,414	4,686	5,196	5,507	5,985	6,144	36,173	35%
97 Art And Antiques.....	4,070	2,558	2,737	3,519	4,314	5,571	7,029	8,008	33,736	97%
74 Copper+Articles Thereof.....	2,116	2,089	2,492	3,439	3,891	6,600	7,218	7,215	32,943	241%
23 Food Waste; Animal Feed.....	4,109	3,629	3,626	3,499	3,693	4,149	5,090	7,174	30,861	75%
70 Glass And Glassware.....	3,804	3,447	3,581	3,894	3,941	4,455	4,844	5,088	29,251	34%

© CW McMillion/ MBG Information Services

The US Exported \$6.64 Trillion of Goods to the World From 2002 to 2008 As composition of US Exports changed rapidly

Industry: Customs Value	US Exports to the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
21 Miscellaneous Food.....	2,794	2,866	3,149	3,429	3,800	4,310	4,409	4,998	26,961	79%
34 Soap,Wax,Et;Dental Prep.....	2,380	2,467	2,759	3,236	3,494	4,013	4,420	5,263	25,651	121%
31 Fertilizers.....	2,243	2,273	2,549	2,826	3,288	3,181	3,730	7,503	25,350	235%
82 Tool,Cutlry, Of Base Mtls.....	2,868	2,796	2,875	3,212	3,461	3,870	4,195	4,704	25,112	64%
26 Ores,Slag,Ash.....	1,146	1,112	1,268	1,791	3,475	4,774	5,844	6,488	24,751	466%
83 Misc Art Of Base Metal.....	3,032	3,032	3,056	3,281	3,423	3,766	3,929	3,873	24,360	28%
03 Fish And Seafood.....	2,842	2,759	2,928	3,310	3,680	3,841	3,869	3,800	24,188	34%
37 Photographic/Cinematogr.....	2,586	2,869	2,928	2,947	2,823	3,034	3,020	3,058	20,680	18%
41 Hides And Skins.....	2,700	2,445	2,533	2,783	2,723	2,876	3,065	2,711	19,136	0%
22 Beverages.....	1,792	1,767	2,003	2,265	2,305	2,701	3,416	3,798	18,255	112%
20 Preserved Food.....	2,101	2,131	2,107	2,211	2,416	2,711	3,023	3,638	18,238	73%
61 Knit Apparel.....	3,882	3,224	3,030	2,704	2,584	2,510	2,057	2,011	18,120	-48%
24 Tobacco.....	4,039	3,035	2,925	2,654	2,334	2,507	2,370	2,098	17,923	-48%
93 Arms And Ammunition.....	2,168	2,096	1,787	2,302	2,271	2,947	3,210	3,180	17,793	47%
15 Fats And Oils.....	1,415	1,928	2,029	2,023	1,885	2,120	3,036	4,753	17,773	236%
07 Vegetables.....	1,869	1,928	2,046	2,170	2,432	2,689	3,013	3,468	17,745	86%
89 Ships And Boats.....	1,894	1,240	1,323	1,786	1,994	2,706	3,167	3,243	15,458	71%
86 Railway;Trf Sign Eq.....	1,537	1,093	1,514	1,751	2,241	2,716	2,753	3,020	15,088	97%
19 Baking Related.....	1,493	1,470	1,588	1,767	1,973	2,057	2,335	2,783	13,971	86%
68 Stone,Plastr,Cement,Etc.....	1,253	1,250	1,380	1,671	1,984	2,404	2,564	2,617	13,870	109%
35 Albumins;Mod Strch;Glue.....	1,818	1,697	1,491	1,663	1,846	1,979	2,260	2,490	13,426	37%
81 Other Base Metals, Etc.....	1,117	1,013	1,141	1,322	2,055	2,573	2,399	2,689	13,192	141%
62 Woven Apparel.....	2,583	2,376	2,082	1,881	1,825	1,742	1,562	1,679	13,148	-35%
55 Manmade Staple Fibers.....	1,476	1,542	1,570	1,726	1,841	1,897	2,033	2,191	12,800	48%
25 Salt;Sulfur;Earth,Stone.....	1,605	1,482	1,544	1,684	1,670	1,940	1,986	2,221	12,527	38%
54 Manmade Filament,Fabric.....	2,001	1,923	1,780	1,870	1,748	1,791	1,712	1,659	12,482	-17%
04 Dairy,Eggs,Honey,Etc.....	829	688	758	1,184	1,331	1,525	2,513	3,303	11,302	299%
56 Wadding,Felt,Twine,Rope.....	1,054	1,100	1,278	1,429	1,667	1,885	1,761	1,928	11,047	83%
60 Knit,Crocheted Fabrics.....	950	1,101	1,420	1,661	1,810	1,638	1,679	1,554	10,863	64%
59 Impregnatd Text Fabrics.....	1,283	1,290	1,456	1,470	1,427	1,484	1,610	1,582	10,319	23%
96 Miscellaneous Manufacturing.....	1,104	1,086	1,088	1,185	1,255	1,340	1,429	1,391	8,774	26%
63 Misc Textile Articles.....	987	955	988	1,064	1,216	1,300	1,438	1,511	8,472	53%
75 Nickel+Articles Thereof.....	696	607	580	726	999	1,405	1,964	2,089	8,370	200%
69 Ceramic Products.....	1,023	926	908	986	1,062	1,164	1,413	1,452	7,910	42%
16 Prepared Meat,Fish,Etc.....	937	934	962	933	1,082	1,162	1,319	1,460	7,851	56%
42 Leathr Art;Saddlry;Bags.....	656	616	679	823	1,081	1,154	1,138	1,224	6,716	87%
17 Sugars.....	723	636	689	735	828	1,043	1,388	1,294	6,612	79%
57 Textile Floor Coverings.....	731	710	712	811	933	1,016	1,048	1,110	6,340	52%
18 Cocoa.....	732	654	725	792	826	895	1,015	1,183	6,090	62%
11 Milling;Malt;Starch.....	504	643	658	687	738	931	1,264	922	5,843	83%

© CW McMillion/ MBG Information Services

The US Exported \$6.64 Trillion of Goods to the World From 2002 to 2008 As composition of US Exports changed rapidly

Industry: Customs Value	US Exports to the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
64 Footwear.....	807	701	694	654	731	829	890	1,038	5,537	29%
58 Spcl Woven Fabric,Etc.....	837	924	714	846	833	791	661	575	5,344	-31%
05 Other Of Animal Origin.....	585	592	635	567	670	744	869	1,096	5,173	87%
01 Live Animals.....	897	644	791	517	664	755	749	860	4,980	-4%
91 Clocks And Watches.....	447	417	467	559	524	673	797	826	4,262	85%
92 Musical Instruments.....	447	429	453	534	603	630	664	749	4,062	68%
09 Spices,Coffee And Tea.....	361	351	400	459	481	600	669	764	3,725	112%
36 Explosives.....	283	308	427	488	500	571	626	654	3,575	131%
13 Lac;Vegetabl Sap,Extrct.....	293	286	308	327	338	368	401	491	2,520	68%
06 Live Trees And Plants.....	279	270	289	314	342	389	423	443	2,469	59%
43 Furskin+Artificial Fur.....	218	205	183	216	221	287	327	342	1,780	57%
79 Zinc+Articles Thereof.....	100	96	108	159	159	278	325	283	1,408	183%
65 Headgear.....	133	112	110	129	146	156	168	207	1,028	56%
78 Lead.....	78	74	122	110	115	144	182	277	1,022	253%
80 Tin + Articles Thereof.....	67	61	62	87	103	124	151	209	797	211%
51 Animal Hair+Yarn,Fabrc.....	125	120	122	109	107	124	103	87	771	-31%
67 Artif Flowers,Feathers.....	53	49	51	53	58	63	76	91	441	73%
45 Cork.....	42	46	50	45	51	70	44	54	360	29%
50 Silk;Silk Yarn,Fabric.....	26	28	31	30	33	56	45	40	262	52%
46 Straw,Esparto.....	17	26	26	26	35	40	31	32	217	87%
53 Other Veg Textile Fiber.....	30	45	31	28	17	21	21	20	182	-32%
14 Other Vegetable.....	23	28	26	38	20	26	21	23	181	1%
66 Umbrella,Wlk-Sticks,Etc.....	14	11	10	12	15	17	20	23	108	60%

US Department of Commerce, World Trade Atlas and MBG Information Services

© CW McMillion/ MBG Information Services

The US Imported \$11.47 Trillion of Goods from the World From 2002 to 2008 As composition of US Imports changed rapidly

Industry: Customs Value	US Imports from the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
Manufacturing Totals: HS28-96 less raw cotton..	\$910,105	\$933,682	\$988,574	\$1,137,943	\$1,245,791	\$1,369,752	\$1,429,535	\$1,438,111	\$8,543,387	58%
Merchandise Totals.....	1,140,999	1,161,366	1,257,121	1,469,704	1,673,455	1,853,938	1,956,962	2,100,141	11,472,688	84%
Machinery/Computers: HS 84-85	315,864	313,620	328,346	385,626	429,853	473,138	498,794	500,638	2,930,015	58%
Textiles and Apparel HS50-63 less raw cotton....	73,521	75,150	80,516	86,786	92,664	96,271	99,215	95,902	626,504	30%
Agriculture Totals: HS01-24	51,349	54,398	59,854	65,850	71,943	80,475	87,162	95,197	514,878	85%
27 Mineral Fuel, Oil Etc.....	\$122,032	\$115,881	\$153,337	\$206,715	\$289,759	\$332,592	\$365,073	\$487,998	\$1,951,356	300%
84 Machinery/Computers.....	161,319	161,634	170,653	200,630	222,439	243,936	249,925	248,975	1,498,193	54%
85 Electrical Machinery.....	154,546	151,986	157,693	184,996	207,413	229,202	248,869	251,663	1,431,822	63%
87 Vehicles, Not Railway.....	159,333	170,425	175,200	191,138	199,662	215,615	214,267	195,073	1,361,381	22%
90 Optic,Nt 8544;Med Instr.....	34,846	34,776	38,759	44,533	46,864	50,427	53,805	57,272	326,437	64%
29 Organic Chemicals.....	31,833	32,976	36,066	38,379	40,774	43,527	45,252	52,419	289,393	65%
71 Precious Stones,Metals.....	26,166	26,545	28,224	33,414	37,238	44,087	47,575	49,575	266,658	89%
30 Pharmaceutical Products.....	15,939	21,554	27,785	31,219	35,442	42,205	48,948	52,583	259,737	230%
98 Special.....	35,305	35,737	33,443	33,491	36,577	38,263	39,344	41,000	257,855	16%
62 Woven Apparel.....	31,687	30,888	33,189	35,291	37,520	37,860	37,599	35,723	248,070	13%
94 Furniture And Bedding.....	23,228	26,722	29,720	33,762	37,245	39,794	40,958	38,301	246,502	65%
61 Knit Apparel.....	26,858	27,824	29,722	31,584	33,290	35,532	37,955	37,379	233,286	39%
39 Plastic.....	19,132	20,343	22,848	26,561	31,715	34,367	34,423	35,735	205,990	87%
95 Toys, Video Games, Sports Equip.....	20,257	21,450	21,054	21,962	24,462	25,893	31,062	31,819	177,701	57%
73 Iron/Steel Products.....	13,859	14,364	15,165	19,781	24,194	28,410	31,642	37,808	171,363	173%
72 Iron And Steel.....	10,487	11,551	10,221	22,483	22,225	28,873	25,665	32,099	153,117	206%
44 Wood.....	14,963	15,724	16,564	22,912	23,784	22,923	18,671	14,147	134,725	-5%
88 Aircraft,Spacecraft.....	21,250	17,637	16,909	16,267	16,340	17,449	21,816	21,555	127,972	1%
O Specl Impr Provisions	13,237	13,045	14,067	16,194	18,226	20,190	21,186	22,788	125,696	72%
64 Footwear.....	15,234	15,387	15,602	16,506	17,932	19,160	19,408	19,545	123,539	28%
48 Paper,Paperboard.....	15,002	14,650	15,095	16,855	17,818	18,789	18,232	18,381	119,820	23%
40 Rubber.....	9,327	10,198	11,402	13,536	15,882	17,577	18,748	20,417	107,760	119%
76 Aluminum.....	8,478	8,994	9,627	12,609	15,466	18,990	18,145	17,600	101,431	108%
22 Beverages.....	8,731	9,701	10,948	11,781	13,052	16,205	16,958	17,111	95,756	96%
28 Inorg Chem;Rare Erth Mt.....	6,760	6,551	7,853	8,694	10,689	12,048	14,246	17,800	77,882	163%
03 Fish And Seafood.....	7,862	7,925	8,665	8,708	9,282	10,197	10,660	10,813	66,252	38%
42 Leathr Art;Saddlry;Bags.....	7,114	7,104	7,501	8,227	8,729	9,490	10,054	10,171	61,276	43%
74 Copper+Articles Thereof.....	4,690	4,141	3,820	5,584	8,004	14,244	13,106	11,703	60,602	150%
63 Misc Textile Articles.....	4,883	5,688	6,679	7,888	9,099	9,987	10,571	10,375	60,287	112%
38 Misc. Chemical Products.....	4,579	4,827	5,280	6,211	7,077	7,572	8,618	10,208	49,793	123%
83 Misc Art Of Base Metal.....	4,604	5,083	5,411	6,426	7,435	8,252	8,794	8,168	49,569	77%
97 Art And Antiques.....	5,448	5,188	4,378	5,301	5,492	6,619	8,722	7,459	43,158	37%
33 Perfumery,Cosmetic,Etc.....	2,945	3,268	4,642	5,857	6,727	7,011	7,528	8,100	43,134	175%
82 Tool,Cutlry, Of Base Mtls.....	4,308	4,669	5,182	5,754	5,982	6,705	6,990	6,919	42,200	61%

© CW McMillion/ MBG Information Services

The US Imported \$11.47 Trillion of Goods from the World From 2002 to 2008 As composition of US Imports changed rapidly

Industry: Customs Value	US Imports from the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
08 Edible Fruit And Nuts.....	3,891	4,229	4,590	5,169	5,825	6,325	7,132	7,526	40,796	93%
68 Stone,Plastr,Cement,Etc.....	3,486	3,754	4,096	4,871	5,643	6,390	6,409	5,731	36,895	64%
70 Glass And Glassware.....	4,154	4,259	4,500	5,092	5,289	5,712	5,820	5,572	36,243	34%
69 Ceramic Products.....	3,757	3,941	4,295	4,668	5,044	5,460	5,225	4,804	33,437	28%
49 Book+Newspapr;Manuscrpt.....	3,534	3,745	3,902	4,234	4,661	4,858	5,228	5,083	31,711	44%
02 Meat.....	3,801	3,790	3,880	5,095	5,109	4,495	4,617	4,366	31,351	15%
07 Vegetables.....	2,961	3,138	3,608	4,042	4,317	4,800	5,250	5,633	30,788	90%
20 Preserved Food.....	2,635	2,802	3,233	3,540	3,901	4,289	5,241	5,912	28,917	124%
91 Clocks And Watches.....	3,048	3,203	3,601	3,790	3,939	4,082	4,454	4,339	27,406	42%
31 Fertilizers.....	1,914	1,640	2,167	2,577	3,749	3,471	5,019	8,443	27,067	341%
09 Spices,Coffee And Tea.....	2,160	2,199	2,595	2,837	3,442	3,843	4,424	5,168	24,508	139%
96 Miscellaneous Manufacturing.....	2,767	2,830	2,914	3,258	3,428	3,593	3,740	3,609	23,372	30%
16 Prepared Meat,Fish,Etc.....	2,334	2,556	2,786	3,082	3,271	3,715	3,598	3,864	22,872	66%
47 Woodpulp, Etc.....	2,630	2,363	2,595	2,949	3,049	3,181	3,734	4,004	21,875	52%
19 Baking Related.....	1,922	2,226	2,536	2,775	3,059	3,355	3,718	4,034	21,702	110%
32 Tanning,Dye,Paint,Putty.....	2,499	2,380	2,501	2,688	3,017	3,073	3,154	3,100	19,912	24%
75 Nickel+Articles Thereof.....	1,174	1,002	1,284	2,067	2,378	3,527	5,165	3,768	19,191	221%
25 Salt;Sulfur;Earth,Stone.....	2,005	1,919	2,062	2,377	2,994	3,344	2,866	3,471	19,034	73%
15 Fats And Oils.....	1,186	1,324	1,545	2,239	2,370	2,794	3,421	5,292	18,985	346%
18 Cocoa.....	1,540	1,761	2,441	2,489	2,755	2,663	2,666	3,304	18,079	115%
26 Ores,Slag,Ash.....	1,510	1,495	1,378	1,819	2,660	2,689	3,067	4,113	17,221	172%
21 Miscellaneous Food.....	1,429	1,629	1,789	2,182	2,420	2,719	2,848	2,998	16,585	110%
17 Sugars.....	1,534	1,701	1,933	1,990	2,369	2,906	2,440	2,770	16,108	81%
01 Live Animals.....	2,238	2,093	1,619	1,438	2,081	2,595	3,096	2,755	15,676	23%
37 Photographic/Cinematogr.....	2,338	2,271	2,217	2,402	2,301	2,164	2,019	1,915	15,289	-18%
54 Manmade Filament,Fabric.....	1,826	1,870	1,857	1,971	2,240	2,200	2,231	2,126	14,494	16%
34 Soap,Wax,Et;Dental Prep.....	1,431	1,571	1,673	1,801	1,929	2,121	2,246	2,391	13,733	67%
57 Textile Floor Coverings.....	1,414	1,535	1,668	1,838	2,000	2,133	2,117	1,914	13,206	35%
81 Other Base Metals, Etc.....	1,173	854	885	1,408	1,841	2,054	2,393	2,877	12,311	145%
89 Ships And Boats.....	1,209	1,325	1,891	2,084	1,719	1,548	1,921	1,678	12,166	39%
52 Cotton+Yarn,Fabric.....	1,810	1,974	1,824	1,927	1,655	1,522	1,321	1,152	11,375	-36%
93 Arms And Ammunition.....	847	973	1,094	1,349	1,445	1,914	2,189	2,337	11,300	176%
79 Zinc+Articles Thereof.....	1,094	1,086	949	1,129	1,147	2,252	2,822	1,818	11,204	66%
35 Albumins;Mod Strch;Glue.....	1,221	1,160	1,318	1,500	1,626	1,595	1,807	2,174	11,180	78%
04 Dairy,Eggs,Honey,Etc.....	1,123	1,243	1,390	1,526	1,619	1,646	1,753	1,887	11,064	68%
65 Headgear.....	1,289	1,279	1,359	1,527	1,510	1,622	1,601	1,601	10,498	24%
86 Railway;Trf Sign Eq.....	1,468	1,039	1,108	1,299	1,517	1,744	1,669	1,805	10,182	23%
55 Manmade Staple Fibers.....	1,076	1,158	1,142	1,293	1,464	1,563	1,787	1,724	10,132	60%
92 Musical Instruments.....	1,306	1,309	1,365	1,505	1,534	1,415	1,388	1,451	9,967	11%
06 Live Trees And Plants.....	1,150	1,132	1,249	1,378	1,383	1,457	1,549	1,470	9,618	28%

© CW McMillion/ MBG Information Services

The US Imported \$11.47 Trillion of Goods from the World From 2002 to 2008 As composition of US Imports changed rapidly

Industry: Customs Value	US Imports from the World: \$ Millions Each Year								7 Yr Total: 2002-2008	Change: 2008 v 2001
	2001	2002	2003	2004	2005	2006	2007	2008		
24 Tobacco.....	1,237	1,317	1,300	1,286	1,310	1,311	1,430	1,455	9,409	18%
59 Impregnatd Text Fabrics.....	777	935	1,046	1,238	1,371	1,493	1,630	1,679	9,391	116%
67 Artif Flowers,Feathers.....	1,122	1,196	1,234	1,251	1,291	1,374	1,464	1,441	9,251	28%
56 Wadding,Felt,Twine,Rope.....	902	962	1,058	1,257	1,381	1,396	1,502	1,508	9,063	67%
10 Cereals.....	884	855	760	791	764	1,131	1,640	2,777	8,718	214%
12 Misc Grain,Seed,Fruit.....	755	687	742	929	1,020	1,139	1,416	2,005	7,937	165%
60 Knit,Crocheted Fabrics.....	1,016	1,080	1,032	983	1,026	967	877	782	6,747	-23%
23 Food Waste; Animal Feed.....	594	646	678	835	745	865	1,030	1,295	6,094	118%
41 Hides And Skins.....	1,032	935	818	889	908	856	820	697	5,923	-32%
58 Spcl Woven Fabric,Etc.....	543	590	625	709	807	803	785	719	5,037	32%
05 Other Of Animal Origin.....	516	553	538	624	648	666	710	726	4,465	41%
11 Milling;Malt;Starch.....	304	383	451	543	523	591	774	1,146	4,410	277%
13 Lac;Vegetabl Sap,Extrct.....	495	460	527	522	624	706	683	780	4,303	57%
80 Tin + Articles Thereof.....	277	231	246	499	396	501	626	819	3,317	196%
36 Explosives.....	287	307	358	404	453	526	554	528	3,129	84%
46 Straw,Esparto.....	324	375	408	429	462	451	455	431	3,012	33%
43 Furskin+Artificial Fur.....	364	334	375	442	417	393	347	302	2,610	-17%
78 Lead.....	162	145	117	192	315	452	643	742	2,606	358%
66 Umbrella,Wlk-Sticks,Etc.....	293	275	310	341	372	386	420	443	2,548	51%
51 Animal Hair+Yarn,Fabrc.....	362	289	305	344	337	330	323	301	2,229	-17%
50 Silk;Silk Yarn,Fabric.....	235	235	247	291	302	293	281	243	1,891	3%
45 Cork.....	187	191	204	213	211	223	242	270	1,555	44%
53 Other Veg Textile Fiber.....	140	143	149	188	186	205	245	282	1,398	102%
14 Other Vegetable.....	67	51	49	50	54	61	109	112	486	67%

US Department of Commerce, World Trade Atlas and MBG Information Services

**China's Soaring Commercial and Financial Power:
How it is affecting the US and the World**

Charles W. McMillion

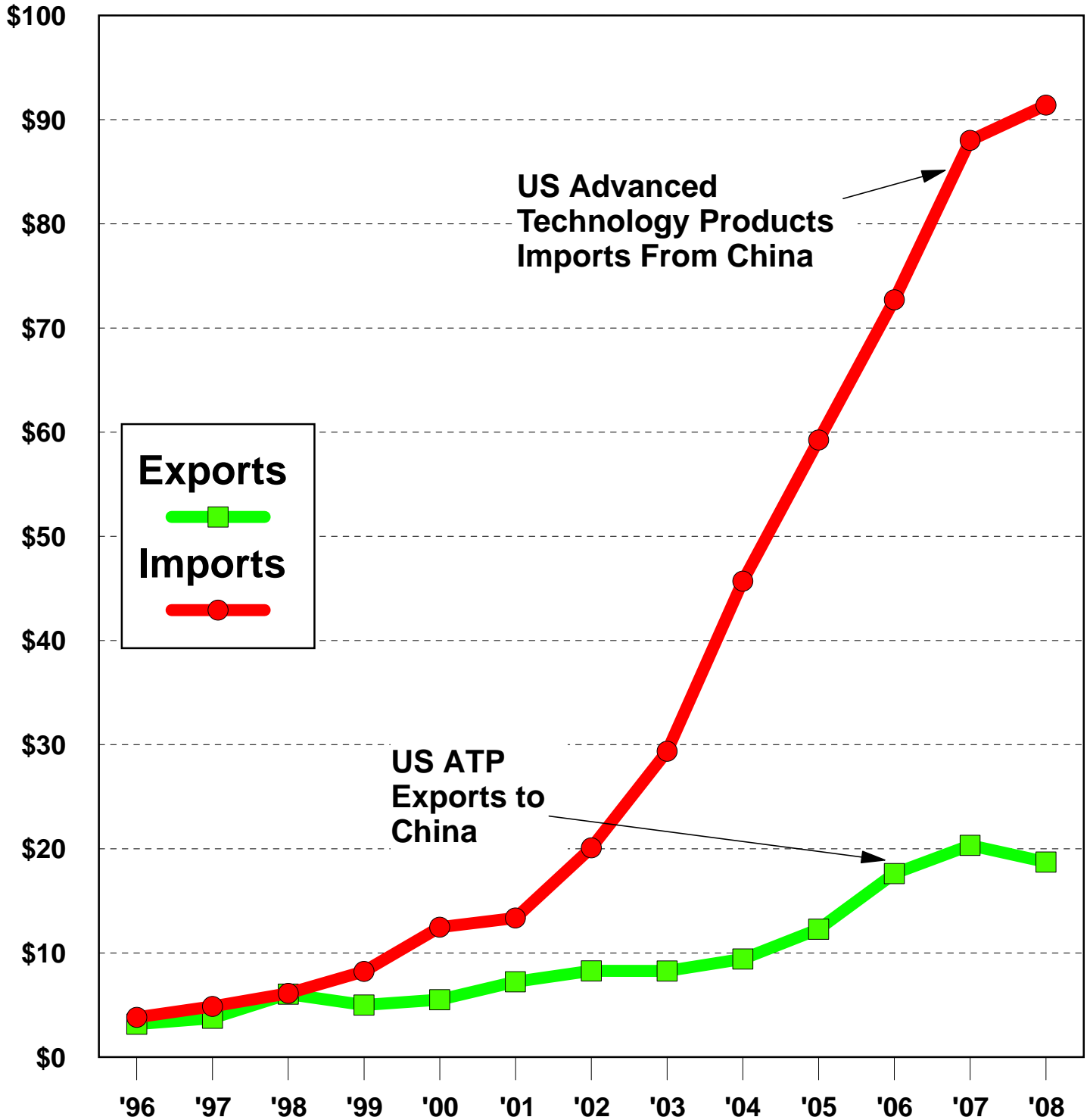
Appendix 2

US/China trade in advanced technology products:

2001-2008

US Advanced Tech Trade With China

\$ Billion US ATP Exports and Imports With China



US ATP Trade With China

HS 28: Inorganic Chemicals

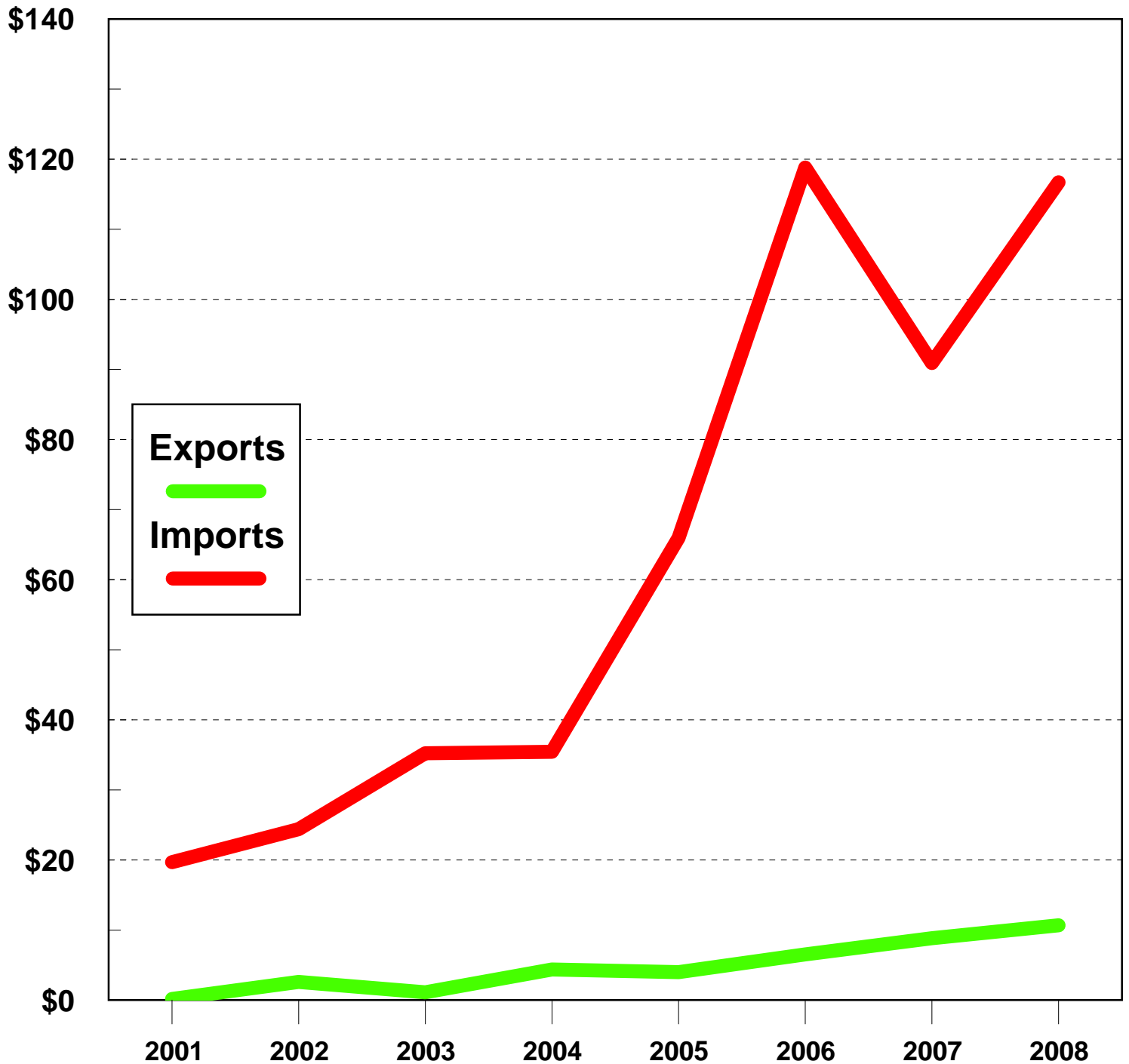
\$Million: US Exports and Imports to China, HS 28



US ATP Trade With China

HS 29: Organic Chemicals

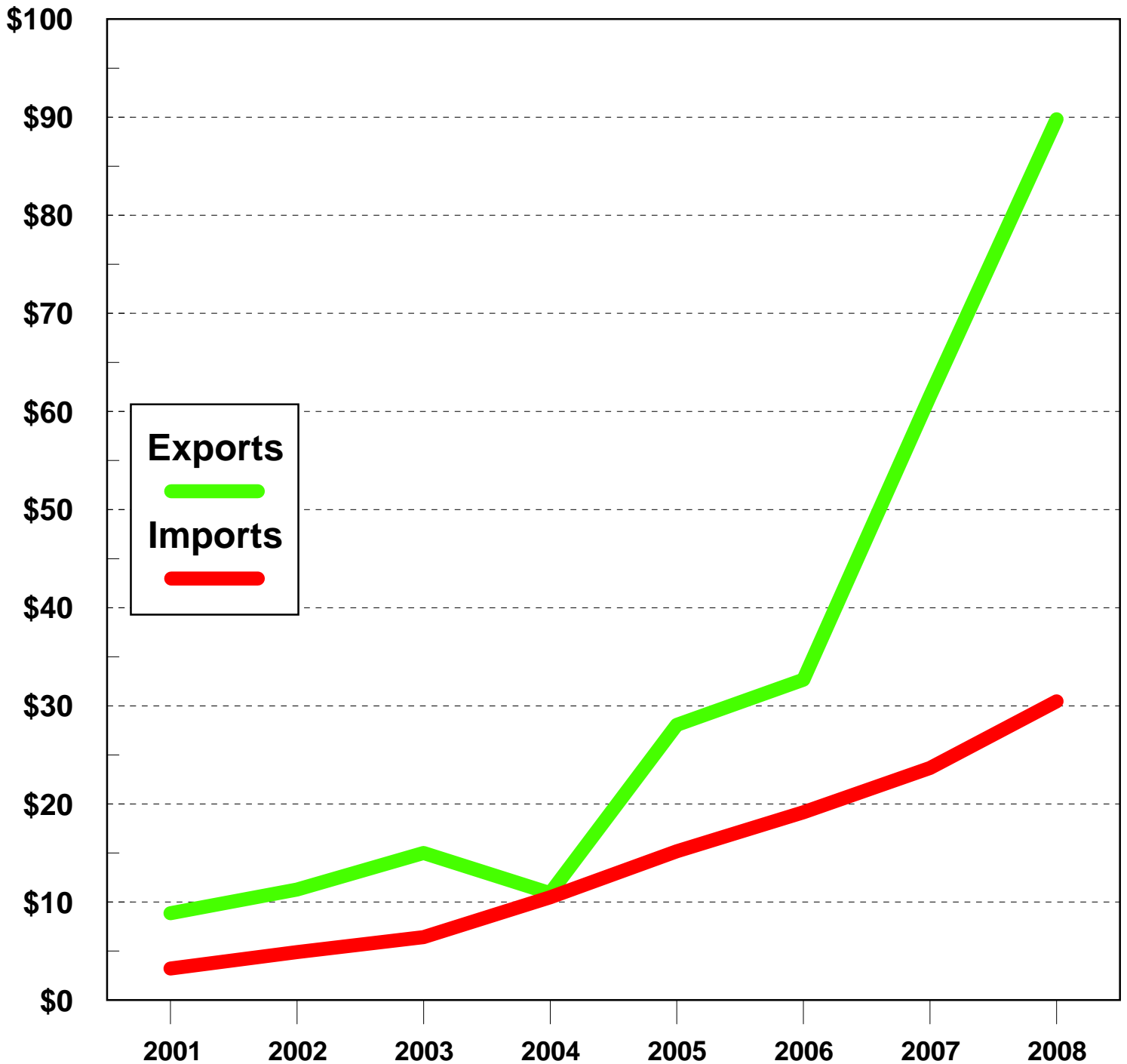
\$Million: US Exports and Imports to China, HS 29



US ATP Trade With China

HS 30: Pharmaceuticals

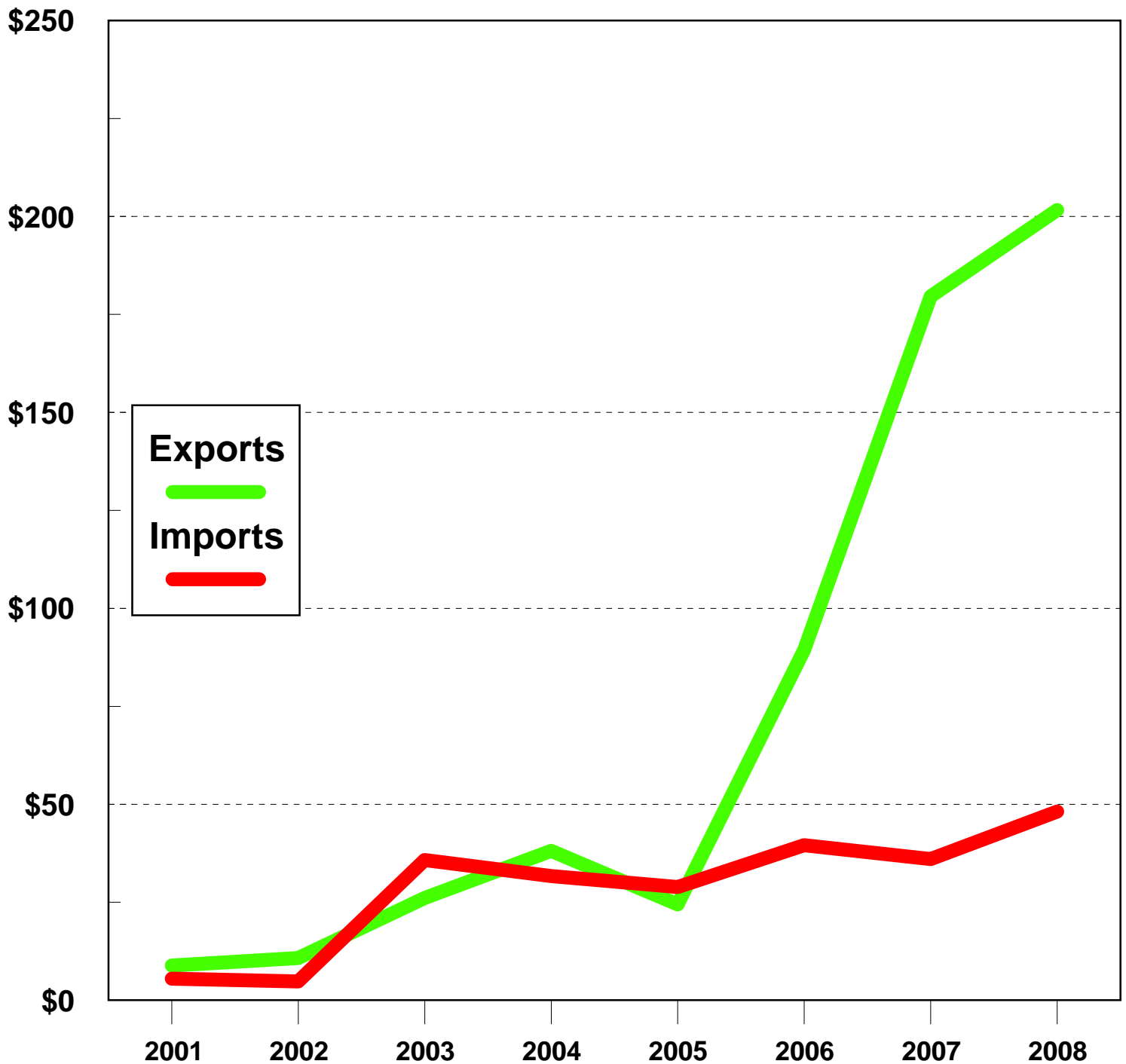
\$Million: US Exports and Imports to China, HS 30



US ATP Trade With China

HS 38: Chemical Elements Doped For Electronics

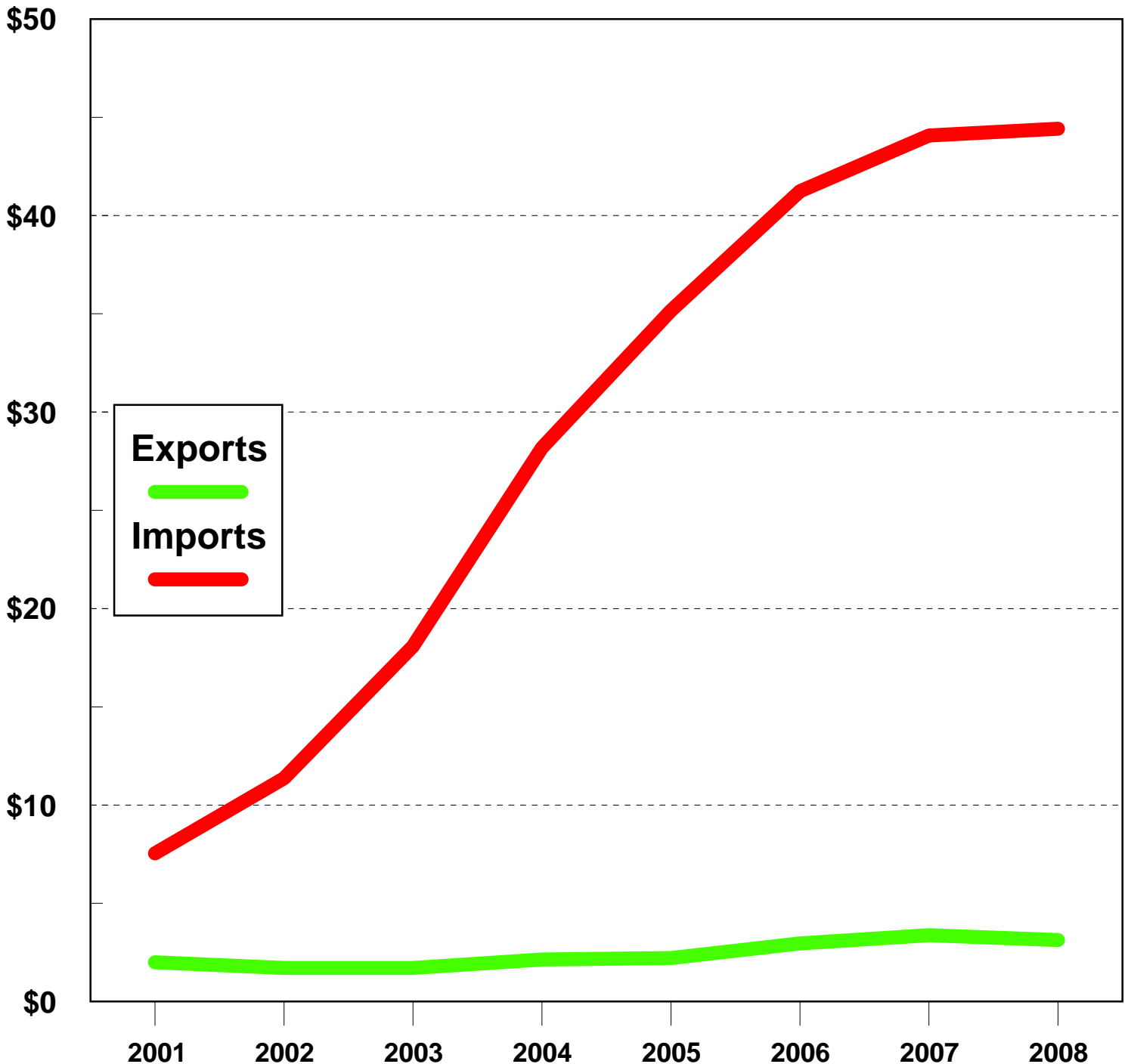
\$Million: US Exports and Imports to China, HS 38



US ATP Trade With China

HS 84: Non-Electrical Machinery, Computers, Parts

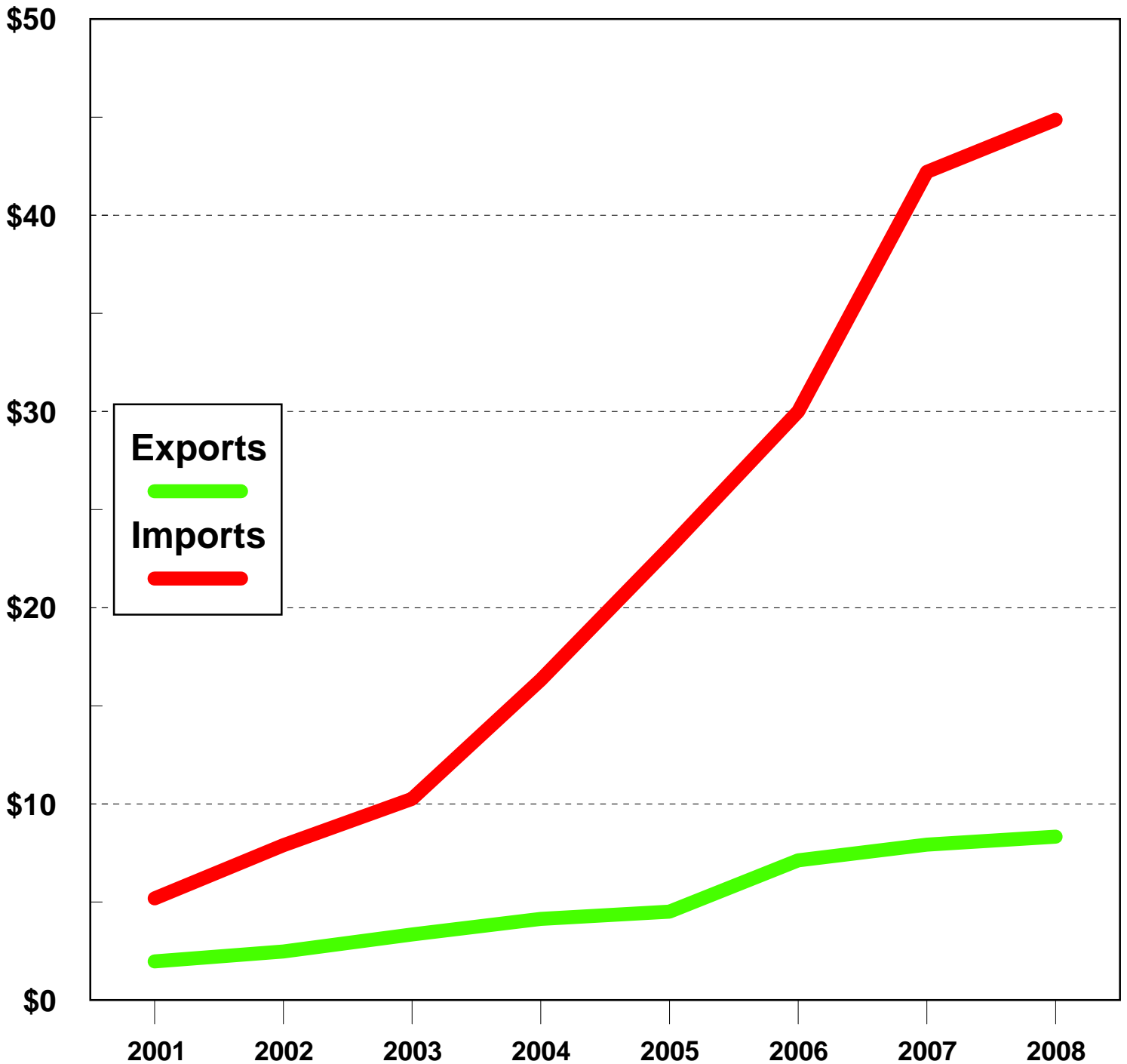
\$Billion: US Exports and Imports to China, HS 84



US ATP Trade With China

HS 85: Electrical Machinery, Semiconductors and Parts

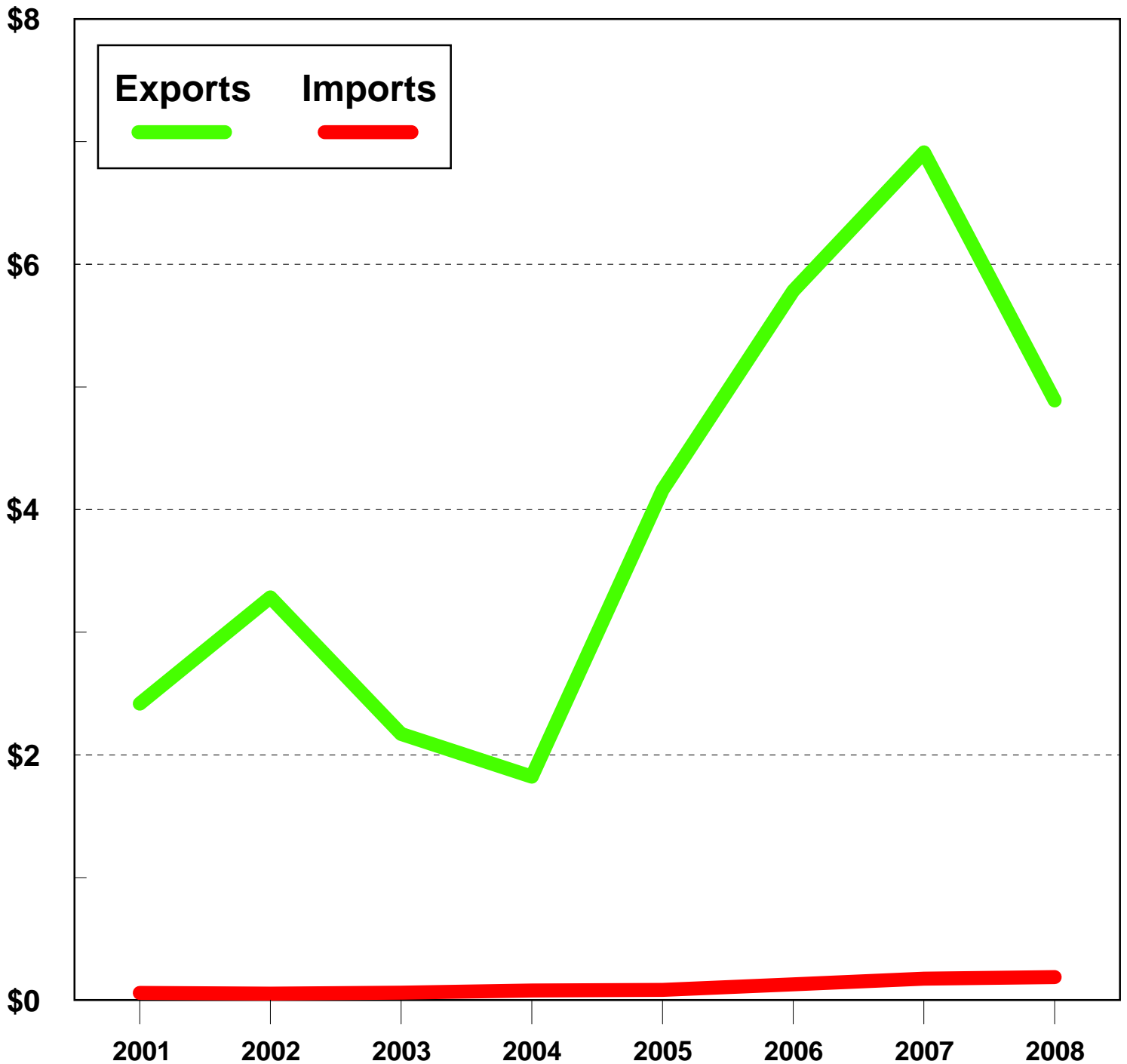
\$Billion: US Exports and Imports to China, HS 85



US ATP Trade With China

HS 88: Aircraft, Spacecraft and Parts

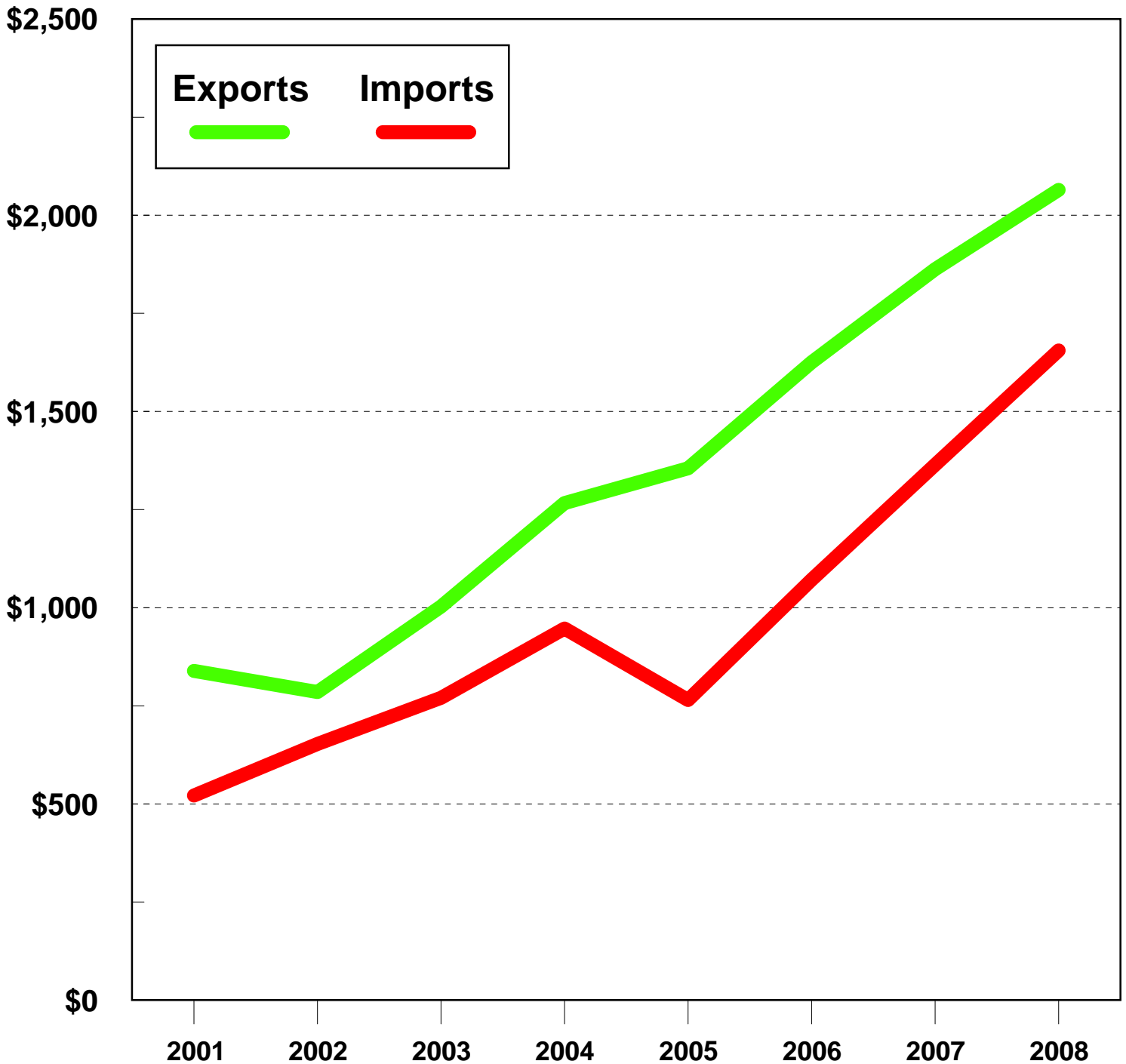
\$Billion: US Exports and Imports to China, HS 88



US ATP Trade With China

HS 90: Optical and Medical Equipment and Parts

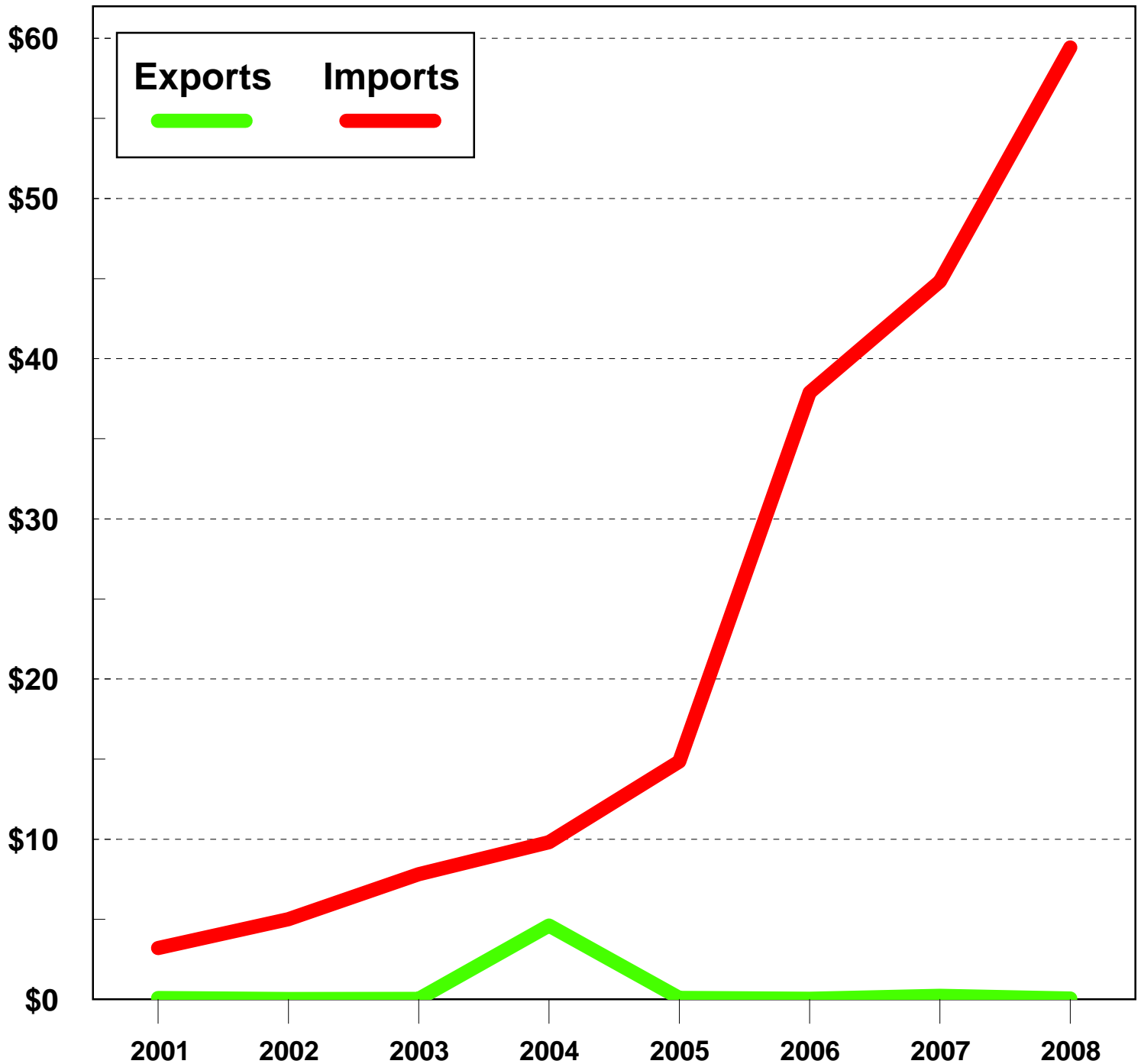
\$Million: US Exports and Imports to China, HS 90



US ATP Trade With China

HS 93: Arms and Ammunition

\$Million: US Exports and Imports to China, HS 93



US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
	Totals.....	-\$6,121,098,466	-\$11,810,141,707	-\$21,090,236,383	-\$36,259,102,362	-\$46,962,958,379	-\$55,081,606,087	-\$67,672,962,821	-\$72,660,226,196
2,844,200,020	URANIUM FLUORIDE ENRICHED IN U235								
2,844,302,060	URANIUM COMPOUNDS DEPLETED IN U235, NESOI	52,378	72,700	35,160	11,120	162,316	193,785	90,478	167,100
2,844,305,000	MIXTURES CONTAIN URANIUM DEPLETED IN U235, NESOI								
2,844,305,010	URANIUM METAL DEPLETED IN U235								
2,844,400,010	ELEMENTS, ISOTOPES AND COMPOUNDS WITH COBALT-60 RA	53,712	2,766	25,130	709,666	899,868	198,073	100,723	524,352
2,844,400,020	RADIOACTIVE ELEMENTS, ISOTOPES AND COMPOUNDS OTHER	-454,459	2,692,088	2,185,221	1,605,408	1,403,607	1,429,654	2,612,793	2,580,887
2,844,400,050	ALLOYS, DISPERSIONS, CERAMIC PRODUCTS & MIXTURES C	350,786	-1,699,436	-749,558	-1,269,829	-483,822	-1,481,190	814,602	633,407
2,845,900,000	ISOTOPES, EXCEPT THOSE OF HDG 2844, COMPOUNDS, INO	-431,709	-2,550,696	-3,437,579	-2,229,873	-2,392,498	-1,569,176	-722,934	-1,013,324
2,914,692,000	QUINONE DRUGS	17,565	21,311	573	72,899	-9,570,799	-5,895,313	-6,871,914	-290,398
2,918,903,000	AROMATIC DRUGS	-12,307	-13,750	-88,331	-109,053	-167,199	-166,098		
2,918,993,000	AROMATIC DRUGS								
2,921,460,000	AMFETAMINE, BENZFETAMINE(INN) ETC & SALTS THEREOF						2,961	-2,516,899	-651,195
2,921,494,300	AROMATIC MONOAMINE DRUGS, NESOI	-37,500	-37,500	-74,980	-20,594	-28,894	-20,300	-52,004	-25,620
2,922,190,900	AROMATIC AMINO-ALCOHOLS, ETC USED AS DRUGS, NESOI		-93,250	-86,634	-51,315	-97,154	-27,806,086	-10,343,800	-23,162,179
2,922,191,800	OTHER AROMATIC AMINO-ALCOHOLS, THEIR ETHERS AND ES	-49,086							
2,922,292,700	AMINO-NAPHTHOLS AND AMINO-PHENOLS, ETC USED AS DRUG	-153,920	-331,596	-613,391	-169,426	-338,847	-165,943	-166,778	-129,085
2,922,492,600	AROMATIC AMINO-ACIDS ETC FOR USE AS DRUGS		-686,296	-1,566,633	-1,489,162	-1,422,574	-1,245,781	-768,507	-711,720
2,922,492,700	AROMATIC AMINO-ACIDS AND THEIR ESTERS, OTHER THAN T	-467,665							
2,922,501,400	OTHER AROMATIC CARDIOVASCULAR DRUGS	-46,602	-63,550	-66,442	-66,687	-71,755	-136,398	-377,621	-547,200
2,922,502,500	OTHER AROMATIC AMINO-ALCOHOL-PHENOL DRUGS	-21,301	-769,169	-970,744	-1,132,421	-1,861,390	-3,259,614	-2,194,667	-2,411,725
2,924,296,250	AROMATIC CYCLIC ETHERS AND DERIVATIVES FOR U	-1,151,489	-574,522	-1,980,627	-4,699,920	-5,793,741	-1,620,646	-237,335	-420,010
2,928,003,000	NON-AROM ORGAN DERIV OF HYDRAZINE ETC USED AS DRUG					85,780			
2,930,909,030	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED PR			-24,698	-125,982	-76,659	-70,788		
2,930,909,035	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED AS	-456,192	-411,571	-1,089,357	-78,591	-55,414	-107,668		
2,930,909,130	OTHER NON-AROM ORG-SULF CMPSD USED PRIN FOR RUB PR							-165,560	-569,947
2,930,909,135	OTHER NON-AROM ORG-SULF CMPSD USED AS DRUGS							-292,937	-235,151
2,931,002,200	AROMATIC ORGANO-NORGANIC COMPOUNDS USED AS DRUGS	-541,440	-541,440	-1,141,804	-695,310	-892,584	-964,919	-44,360	-1,794,176
2,932,191,000	AROMATIC COMPOUNDS CONTAINING AN UNFUSED FURAN RIN	-60,808	-41,760	-58,194	-61,594	-187,304	-793,156	-749,341	-112,960
2,932,292,000	AROMATIC LACTONES USED AS DRUGS	-95,801	-46,243	-58,224	-60,799	-161,649	-151,914	-162,393	-56,205
2,932,910,000	ISOSAFROLE		6,598			4,650		-10,395	
2,932,920,000	1-(1,3-BENZODIOXOL-5-YL)PROPAN-2-ONE	38,611	1,970,670		1,667,307				
2,932,950,000	TRIAHYDROCARBONABINOLS (ALL ISOMERS)						462,000	440,000	
2,932,995,500	BIS-O-[(4-METHYL-PHENYL)-METHYLENE]-D-GLUCITOL (DI	-169,514			-944,745	-27,535	-55,900	-132,600	-17,049
2,932,996,550	AROMATIC PESTICIDES WITH OXYGEN AND DERIVATIVES ON	4,115							
2,932,996,560	AROMATIC PESTICIDES WITH OXY HETERO-ATOM(S) NESOI		5,214		35,886	458,405	990,930	509,593	212,935
2,932,997,000	OTHER AROM HETERO ETX EXCL PROD IN U.S. NT 3 SEC 6	-2,057,488	-2,601,453	-5,330,995	-4,218,824	-9,478,555	-36,230,129	-28,899,755	-45,508,659
2,933,193,500	AROMATIC OR MOD AROM DRUGS CONT AN UNFUSED PYR ETC		-266,464	-374,935	-78,360	-436,688	-396,071	-196,642	-42,600
2,933,292,000	AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINING AN	-40,000	-14,998	-6,863	-54,173	-180,450	-105,600	-183,140	-139,253
2,933,294,500	DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMATIC) CO	-326,730	-3,526	-51,700	-205,367	-340,547	-26,700	-33,287	-129,350
2,933,330,000	ALFENTANIL, AMILERIDINE, BEZITRAMIDE(INN), ETC.				-37,520			-5,500	-25,200
2,933,393,100	ANTIDEPRESSANTS, TRANQUILIZERS AND OTHER PSCHO ETC								-2,680
2,933,394,100	DRUGS CONTAINING AN UNFUSED PYRIDINE RING (WHETHER	-301,457	-190,299	-412,051	-572,977	-210,020	-299,740	-351,683	-563,802
2,933,402,000	5-CHLORO-7-iodo-8-QUINOLINOL (IDOCHELORHYDROXYQUIN	-1,181,829							
2,933,402,600	OTHER DRUGS CONTAINING A QUINOLINE OR ISOQUINOLINE	-12,708							
2,933,410,000	LEVORPHANOL (INN) AND ITS SALTS		-12,650						
2,933,490,800	4,7-DICHLOROQUINOLINE		-511,851	-670,225	-208,136		-79,500	-246,175	-44,545
2,933,492,000	IDOCHELORHYDROXYQUIN: DECOQUINATE ETC.				-19,800			-170,000	
2,933,492,600	DRUGS CONT A QUINOLINE OR ISOQUINOLINE ETC, NESOI		-1,037,412	-564,186	-1,803,337	-1,274,631	-1,947,966	-20,365	-465,725
2,933,550,000	LOPRAZOLAM (INN), MECLOROALONE (INN), ETC & SALTS						7,500		
2,933,592,100	ANTIHISTAMINES, INCLUDING ANTINAUSEANTS						-11,250	-309,240	-1,316,312
2,933,593,600	OTHER AROM OR MOD-AROM ANTI-INFECTION AGENTS				-1,114,960	-1,089,386	-566,065	-620,541	-817,937
2,933,593,600	OTHER AROMATIC OR MODIFIED AROMATIC ANTI-INFECTION	-8,930	-10,715	-601,629					
2,933,595,300	OTHER AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINI	-19,078	-24,452	-15,802		-14,534	-9,318	-27,968	-34,520
2,933,595,900	OTHER DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMAT	-70,669	-57,320	-271,378	-14,750	-190,809	-491,220	-284,864	-301,432
2,933,595,950	DRUGS CONTAINING A PYRIMIDINE RING (WHETHER OR NOT	5,767							
2,933,595,960	DRUGS CONT A PYRIMIDINE OR PIPERAZINE RING ETC		4,254	89,492	1,098,473	632,526	2,391,669	4,715,530	6,912,320
2,933,904,600	OTHER ANTI-INFECTION AGENTS	-5,750							
2,933,905,300	OTHER CARDIOVASCULAR DRUGS	-331,644							
2,933,905,590	OTHER ANALGESICS, ANTIPIRETTICS AND NON-HORMONAL AN	-231,766							
2,933,906,500	ANTICONGESTANTS, HYPNOTICS & SEDATIVES W/HETEROCYC	-1,369,144							
2,933,907,000	OTHER DRUGS PRIMARILY AFFECTING THE CENTRAL NERVOU	-13,278							
2,933,910,000	ALPRAZOLAM, CAMAZEPAM, CHORDIAZEPOXIDE (INN), ETC.		-160,852	22,728	-122,283	-256,247	-392,328	-76,174	1,019
2,933,994,600	ANTI-INFECTION AGENTS, NESOI		184,381	-24,619	324,450	1,016,392	-456,144	-186,097	-31,037
2,933,995,300	CARDIOVASCULAR DRUGS, NESOI		-416,480	176,945	1,853	3,972	17,654	-368,573	-91,476
2,933,995,500	ANALGESICS, ANTIPIRETTICS AND NON-HORMONAL AGTS NESOI			4,500			25,500		
2,933,995,590	ANALGESICS, ANTIPIRETTICS & NON-HORMONAL AGTS NESOI		-57,556	-8,284	-8,100	-57,558	-101,315	-144,315	-192,040
2,933,996,100	ANTIDEPRESSANTS, TRANQUILIZERS ETC, NESOI		2,470	-141,581	-52,275	-136,355	10,643	-286,325	-381,060
2,933,996,500	ANTICONGESTANTS, HYPNOTICS AND SEDATIVES	-1,703,232	-1,111,860	-83,000	-2,139,469	-2,360,180	-1,204,277	-2,297,427	-2,297,427
2,933,997,000	DRUGS PRIM AFFECT THE CENT NERV SYSTEM, NESOI		126,395	344,964	338,514	642,018	1,327,650	1,684,640	1,703,957
2,934,302,700	DRUGS W/ A PHENO RING SYS (W/ HYDRO), NESOI		-2,233			-6,800			-2,290
2,934,903,000	OTHER HETEROCYCLIC COMPOUNDS USED AS DRUGS								
2,934,910,000	AMINOREX, BROTILOZAM, CLOTIAZEPAM (INN), ETC.	-410,435							
2,934,993,000	HETEROCYC CMPSD, USED AS DRUGS, NESOI		-228,196	-268,979	-129,550	-190,552	-555,493	-688,516	-76,353
2,937,100,000	PITUITARY (ANTERIOR) OR SIMILAR HORMONES	-106,300	-305,093	-453,695	-1,018,921	-3,691,367	-2,641,599	-2,015,565	-1,803,416
2,937,110,000	SOMATOTROPIN, ITS DERIVS & STRUCT ANALOGUES		-50,750	-70,000	-587,235	-3,171,700	-1,213,350	-107,540	4,164
2,937,190,000	POLYPEPTIDE, PROTEIN & GLYCOPROTEIN HORMONES, NESOI		-140,480	-922,437	-204,157	53,406	14	-281,680	-666,442
2,937,230,000	ESTROGENS AND PROGESTINS		25,838	37,975	261,642	116,915		51,500	63,750
2,937,231,010	ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN		-41,279	-282,404	-501,923	-327,631	-479,646	-820,095	-120,907
2,937,231,050	PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN, NESOI		-45,299	-95,840	-71,093	-57,336	-43,102	-33,754	-101,870
2,937,235,010	ESTROGENS NOT DERIV FROM ANIMAL OR VEGETABLE MATER		-120,316	-280,835	-45,800	-45,500	-63,575	-249,495	-249,495
2,937,235,020	PROGESTERONE NOT DERIV FR ANIMAL OR VEGETABLE MATER		-1,164,678	-604,221	-524,364	-1,126,660	-1,061,260	-885,245	-230,190
2,937,235,050	PROGESTINS NOT OF ANIMAL OR VGTABLE ORIGIN, NESOI		-227,623	-273,528	-228,382	-228,153	-201,620	-228,549	-81,413
2,937,399,000	CATECHOLAMINE HORMONES, DERIVS & ANALOGUES NESOI		-77,796	-177,796	-219,256	-495,917	-647,755	-885,712	-1,075,060
2,937,405,000	HORMONE AMINO-ACID DERIVATIVES, NESOI		-109,730	-116,128	-356,497	-846,701	-4,335,707	-2,331,356	-2,012,883
2,937,500,000	PROSTAGLANDINS, THROMBOXANES & LEUKOTRIENES			-5,000	-5,270			-119,627	
2,937,900,000	HORMONES, PROSTAGLANDINS, ETC NESOI		-8,214,681	-9,527,759	-5,192,654	-4,713,499	-5,891,376	-6,579,658	-7,923,875
2,937,920,000	ESTROGENS AND PROGESTINS								
2,937,921,010	ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN	-74,115							
2,937,921,050	OTHER PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN	-82,150							
2,937,925,010	ESTROGENS NOT DERIVED FROM ANIMAL OR VEGETABLE MAT								
2,937,925,020	PROGESTERONE NOT DERIVED FROM ANIMAL OR VEGETABLE	-826,993							
2,937,925,050	OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETA	-228,182							
2,937,999,550	OTHER HORMONES AND THEIR DERIVATIVES, OTHER STEROI	-6,018,550							
2,940,002,000	D-ARABINOSE		-956	22,419	-36,518	-239,355	-17,325	-3,492	-21,153
2,940,006,000									

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
8,411,114,050	TURBOJET A/C TURBINES EXC CIVIL, THRUST LE 25 KN			5,604					
8,411,124,000	TURBOJET AIRCRAFT ENGINES, THRUST EXCEEDING 25 KN			-5,227,484	-12,400,000		-1,775,000		
8,411,124,010	TURBOJET TBN FOR CIVIL AIRCRAFT, THRUST OV 25 KN			172,000,000	96,729,584	85,361,574	106,726,320	111,454,888	90,957,805
8,411,214,010	TURBOPROPELLER A/C TBN, CIVIL, POWER NOT OV 1100KW	52,109,172	124,000,000				3,391,948		2,123,857
8,411,224,000	TURBOPROPELLER AIRCRAFT ENGINES, POWER EXC 1100 KW					-76,650			
8,411,224,010	TURBOPROPELLER A/C TBN, POWER OVER 1100 KW				112,500		250,580		3,187,390
8,411,814,000	GAS TURBINE A/C ENGINES, NESOI, POWER NOT EXC 5000KW					-750,000			
8,411,814,010	GAS TURBINE A/C TBN FOR CIVIL A/C, 5000 KW AND UND	2,003,000	150,000	975,325	180,000	959,739	2,072,356	5,034,176	6,399,061
8,411,824,010	GAS TURBINE A/C TURBINE FOR CIVIL A/C, OVER 5000 K			14,800,000	7,000,000	8,080,960	2,260,000	371,801	12,645,408
8,411,824,050	AIRCRAFT TURBINES (ENGINES), EXCEPT FOR USE IN CIV								
8,411,917,010	PARTS OF TURBOJETS AND TURBOPROPELLER AIRCRAFT ENG	32,677,607	48,328,512	49,075,130	50,047,240	44,645,887	69,668,595	118,163,444	226,783,100
8,411,917,050	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENGI	1,528,049	595,677	589,693	199,547	883,552	693,491	1,039,121	1,558,739
8,411,918,080	PARTS, NESOI, OF TURBOJET OR TURBOPROPELLER AIRCRA	-25,414,570	-24,805,157	-28,000,000	-52,721,761	-68,893,841	-97,170,317	-143,134,098	-179,891,172
8,411,997,010	PARTS OF GAS TURBINE AIRCRAFT ENGINES FOR USE IN C	15,034,306	2,882,493	2,411,974	2,878,844	3,709,877	19,333,145	3,692,356	10,358,159
8,411,997,050	PARTS OF GAS TURBINE AIRCRAFT ENGINES, OTHER THAN	379,247	3,606,164	10,064,488	3,576,662	6,339,785	2,472,094	2,373,188	5,480,079
8,411,999,090	PARTS, NESOI, OF AIRCRAFT GAS TURBINES, EXCEPT TURBO	-3,174,644	-3,586,293	-14,329,294	-6,384,189	-7,911,907	-8,841,330	-10,904,316	-13,727,899
8,424,893,000	SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	2,613,151	5,340,068	8,284,681	5,819,591	5,803,180	4,702,133		
8,424,895,000	SPRAYING APPLIANCES DEVELOPING SEMICONDUCTOR WAFER					-335,435	-461,276		
8,427,108,060	AUTOMATED GUIDED VEHICLES (AGV) FITTED WITH LIFTIN	176,000	1,792,012	156,407	260,904	7,886	1,296,771	3,217,580	1,542,120
8,428,900,010	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O					-10,000	-720,354		
8,428,900,015	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	1,599,715	6,078,346	1,886,839	2,749,471		-335,060		
8,428,901,120	INDUSTRIAL ROBOTIC LIFTING AND/LOAD NESOI							7,246,067	2,504,592
8,443,310,000	MACH PRFM GT-2 FUNCT PRINT/CPY/FAX; USE W/ AT/PNTW							-2,508,678,101	-2,810,796,215
8,443,321,010	PRINTERS, NESOI, LSR CPBLE OF PRDONG GT 20PGS/MIN							-863,867,266	-832,901,951
8,443,321,020	LASER PRINTERS, PRDONG LT 20 PGS/MIN							-692,997,132	-196,294,952
8,443,325,000	FAX/COPY MACH CAPABLE OF CONNECTING TO ADP/NETWORK							-116,584,707	-36,768,333
8,443,992,000	PRNTR PARTS FOR SUBHEAD 8443.32.10 US NOTE 2 CH 84							-309,195,982	
8,443,992,010	INK CART FOR PRINT OF SUBHD 8443.32.10 USN 2 CH 84							-146,441,861	-303,400,665
8,443,992,050	PRINT PRT FOR SUBHEAD 8443.32.10 USN 2 CH 84 NESOI							-221,865,346	-450,118,450
8,443,992,210	INK CARTRIDGES FOR GOODS OF 8443.31 AND PRINTERS								8,895,679
8,443,992,250	PARTS/ACCESS FOR GOODS OF 8443.31 & PRINTERS NESOI								16,230,276
8,443,992,500	PARTS AND ACCESSORIES OF PRINTER, NESOI							-376,791,279	
8,443,992,510	INK CARTRIDGES FOR PRINTERS, NESOI							-43,677,813	-102,227,736
8,443,992,550	PARTS AND ACCESSORIES OF PRINTERS, NESOI							-423,829,699	-797,334,778
8,443,993,000	FACSIMILE MACHINE PARTS SPECIFIED IN U.S. NOTE 7							-16,252,609	-7,532,036
8,443,993,500	FACSIMILE MACHINE PARTS, NESOI							-24,785,198	-38,146,294
8,443,995,500	PARTS & ACCESSORIES FOR PRINTING MACHINERY, NESOI							31,956,853	
8,443,995,600	PARTS AND ACCESSORIES OF OTHER PRINTERS ETC, NESOI								9,920,314
8,456,100,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	12,248,076	22,452,149	8,475,739	19,904,100	13,869,348	20,162,476		
8,456,100,002	LASER OR OTHER LIGHT OR PHOTON BEAM MACHINE TOOLS							27,579,437	29,177,686
8,456,101,010	MACHINE TOOLS FOR WORKING METAL, BY LASER OR OTHER	-40,299		-133,100		-23,000	-619,873	-152,142	-2,597,869
8,456,101,020	MAC TOOL, MTL WRK, LASER, LIGHT OR PHOTON BEAM, EXC, N/C					-55,550	-71,827	-129,200	-94,870
8,456,106,000	MACH TOOLS USE IN SEMICONDUCTOR WAFER PRODUCTIONS		-19,000			-40,240			
8,456,108,000	MACHINE TOOLS OPERATED BY LASER PROCESSES, NESOI					-81,939	-246,704	-468,683	-1,068,174
8,456,200,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	30,345	2,712,949	2,052,003	1,503,811	227,972	135,996	615,663	23,000
8,456,201,050	MACHINE TOOLS FOR WORKING METAL, BY ULTRASONIC PRO	-10,810				-15,023		-6,520	
8,456,205,000	MACH TOOLS, EXC MTL WRK, ULTRASONIC PROCESSES		-38,250					-67,208	-9,224
8,456,300,000	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MTL	1,390,217	2,078,617	1,106,295	1,343,153	1,939,826	894,263	2,862,982	3,275,478
8,456,301,020	MAC TOOL, MTL WRK, ELECTRO-DISCHRG, TRAVEL WIRE TYPE	-1,089,055	-900,160	-241,423	-810,564	-140,600	-1,779,626	-7,064,299	-4,742,107
8,456,301,050	MC TL, MTL WRK, ELTRO-DISCHRG PROCES, EX TVL-WIRE, N/C	-4,639,061	-541,293	-719,918	-4,793,307	-12,176,248	-8,004,462	-4,004,462	-4,728,814
8,456,301,070	MC TL, MTL WRK, ELTRO-DISCHRG PROC, EX TVL-WIRE, EX N/C		-208,846		-263,234	-42,170	-252,928	-273,870	-346,643
8,456,305,000	MACHINE TOOLS FOR WORKING MATERIAL OTHER THAN META		-21,555	-35,642		-72,932	-125,463	-129,867	-213,649
8,456,305,000	MC TL, MTL WRK, ELTROBEAM, ION BEAM, PLSMA ARC EX N/C							2,945,974	1,880,317
8,456,907,000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI							4,227,926	10,135,973
8,456,910,000	DRY ETCHING (INCLUDING PLASMA) MACHINES DESIGNED T	31,179,637	81,830,194	37,389,295	199,000,000	76,892,364	203,861,740		
8,456,910,000	FOCUSED ION BEAM MILLING MACHINES TO PRODUCE OR RE	356,000	420,190	716,000	265,186	652,335	1,603,340		
8,456,993,005	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	790,258	769,798	62,499	133,880	1,191,410	357,074		
8,456,993,040	MACHINE TOOLS FOR WORKING METAL, BY ELECTRO BEAM O	546,083	2,222,224	716,168	1,061,474	3,897,713	6,669,724		
8,456,993,060	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	31,324	40,598	38,835	56,760	58,611			
8,456,993,080	MACHINE TOOLS FOR WORKING METAL, BY ELECTRON BEAM,	27,473	60,400	7,800	32,031	13,960	810,857		
8,456,995,000	MACHINE TOOLS FOR WORKING ANY MATERIAL OTHER THAN	910,611	1,909,601	2,342,525	5,088,347	5,534,211	4,909,119		
8,456,997,000	MACH TOOLS FOR STRIPPING/CLEAN SEMICONDUCTOR WAFER			-16,000	-102,500	-891,100	-302,520		
8,456,998,000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI	-6,002	-4,438	-3,019	-79,132	-86,126	-393,909		
8,457,100,015	MAC CENTR, AUTO TOOL CNG, VERT-SPIN, Y-AXIS NO 660MM	3,682,709	21,119,540	6,790,825	7,653,677	11,794,543	13,616,812	971,613	2,359,460
8,457,100,025	MAC CENTR, AUTO TOOL CHNG, VERT-SPIN, Y-AXIS OV 660MM	508,606	520,623	1,015,718	5,015,878	2,416,621	1,680,791	-421,156	-62,871,811
8,457,100,035	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL		1,290,685	769,478					
8,457,100,036	HORIZONTAL MACHING CENTERS WITH ATC				3,714,223	2,071,100	1,720,740		2,918,814
8,457,100,039	MACHING CENTERS, AUTO TOOL CHNG, NESOI				3,294,718	3,427,575	4,386,991	1,861,833	965,760
8,457,100,055	MACHING CENTERS, AUTO TOOL CHNG, HORIZONTAL-SPINDLE							1,861,833	-195,500
8,457,100,060	HORIZONTAL SPINDAL MACHINES (685MM-1016MM)		-165,870						
8,457,100,065	HORIZONTAL SPINDAL MACHINES GT 1016 MM							-1,726,100	-3,158,599
8,457,100,070	MACHING CENTERS, AUTO TOOL CHNG, NESOI				-88,902	-89,502	-1,959,660	-429,503	
8,457,200,010	UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C	15,760,500	26,703,414	1,327,843	688,332		1,681,800	884,873	1,775,410
8,457,300,010	MULTISTATION TRANSFER MACHINES, N/C						-35,000	-1,175,945	22,829,186
8,458,110,010	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN			369,042	354,045	409,408	786,508	-157,783	1,426,019
8,458,110,030	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	15,487,937	2,100,069	-16,034	284,652	325,046	10,362,513	-7,363,086	-2,231,307
8,458,110,050	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	473,073	1,173,992	488,235	-146,552	556,658	-2,934,430	-4,886,588	-10,866,649
8,458,110,090	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	71,385	320,900	-21,400	107,858	189,441	4,382,185	2,397,040	3,516,995
8,458,911,060	VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL							-101,942	
8,458,911,080	VERT TURT LATH, MTL REMOV, N/C, EXC MULTI SPIN, NEW				173,708			-454,000	-220,200
8,458,915,050	LATHES FOR REMOV MTL, N/C, MULTI SPIN, NEW, NESOI	91,988		97,000	3,631,983	999,000	1,139,000	6,138,453	9,444,316
8,458,915,070	LATHES FOR REMOV MTL, N/C, EXC MULTI SPIN, NEW, NESOI	-34,863							-117,000
8,459,100,000	WAY-TYPE UNIT HEAD MACHINES	420,550	861,990			66,808	147,743	66,673	-60,750
8,459,210,080	DRILLING MACH, METAL REMOV, N/C, NEW	1,610,742	2,217,940	1,170,583	3,170,871	1,625,490	751,187	2,605,589	4,095,981
8,459,310,010	BOR-MIL MAC, HORIZ SPIN, TABLE TYP, MTL REMOV, N/C, NEW			368,800	3,705,000				
8,459,310,040	BOR-MIL MAC, HORIZ SPIN, EX TBL TYP, MTL REMOV, N/C, NEW							-798,490	-954,259
8,459,310,070	BOR-MIL MAC, EXC HORIZ SPIN, MTL REMOV, N/C, NEW, NESOI			70,000	-34,560	-111,673	12,634	-108,250	-1,268,124
8,459,400,040	BORING MAC, VERT, MTL REMOV, N/C, OVER \$3025, NEW	2,261,676	1,419,800	56,610	2,616,441	6,031	86,786	1,352,833	596,000
8,459,400,070	BORING MACH, EX VERT, MTL REMOV, N/C, OVER \$3025 NEW								
8,459,510,080	MILLING MACHINES, KNEE TYPE, METAL REMOV, N/C, NEW	-13,126		105,709			19,853	277,485	-42,344
8,459,610,080	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW	3,817,125	1,035,526	5,488,542	4,429,978	7,861,914	3,272,420	1,090,820	-2,140,319
8,459,700,020	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C		570,903	10,000			224,000	106,000	
8,459,704,000	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C								-90,200
8,460,110,080	FLAT								

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
8.517.120.020	RADIO TELEPHONES FOR INSTALLATION IN MOTOR VEHICLE							-3,913,408	-49,450,576
8.517.120.050	CELLULAR RADIOTELEPHONES FOR PCRS							-11,012,052,617	-11,036,593,117
8.517.120.080	TELEPHONES FOR CELL/OTHER WIRELESS NETWORKS, NESOI							-786,524,234	-663,283,982
8.517.180.000	TELEPHONE SETS, NESOI							13,582,172	13,877,087
8.517.180.010	VIDEOPHONES							-3,195,110	-4,777,160
8.517.190.000	VIDEOPHONES	4,227,906	2,675,413	1,565,230	3,457,683	6,445,101	8,389,658		
8.517.194.000	VIDEOPHONES		-3,963,026	-807,837	-3,352,841	-4,232,690	-3,019,840		
8.517.210.000	FACSIMILE MACHINES	-122,868,869	-154,000,000	-160,000,000	-174,000,000	-143,588,896	-140,587,276		
8.517.301.500	CENTRAL OFFICE SWITCHING APPARATUS	33,011,002	7,488,146	4,494,134	5,575,701	4,328,748	814,034		
8.517.302.000	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	739,324	349,001	360,183	637,295	-404,805	-572,593		
8.517.302.500	ELECTRONIC KEY TELEPHONE SYSTEMS	-2,532,938	-4,087,165	-2,849,494	-5,029,504	-2,354,269	-2,399,448		
8.517.303.000	TELEPHONIC SWITCHING APPARATUS, NESOI	2,034,873	1,767,128	8,755,581	2,998,062	677,023	1,127,239		
8.517.305.000	TELEGRAPHIC SWITCHING APPARATUS	11,418,443	8,331,125	-29,000,000	-51,886,159	-207,338,154	-135,563,706		
8.517.501.000	MODEMS (MODULATOR-DEMULATOR APPARATUS) OF A KIND	-173,136,764	-193,276,285	-160,000,000	-373,405,346	-417,086,195	-463,052,589		
8.517.505.000	CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	18,297,311	-12,101,979	-11,000,000	-53,264,043	-319,237,003	-302,235,723		
8.517.506.000	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	-1,098,126	-8,146,998	-17,000,000	-1,910,735	-7,968,889	-61,289,841		
8.517.509.000	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS	96,248,919	30,355,852	-88,000,000	-321,000,000	-620,290,824	-1,262,496,593		
8.517.610.000	BASE STATIONS							-346,126,606	-365,716,469
8.517.620.010	MODEMS OF A KIND USED WITH DATA PRCSG MCH OF 8471							-948,568,609	-894,891,353
8.517.620.050	MACH FOR REC/CONV/REGEN VOICE/IMAGE/DATA, NESOI							-2,981,393,028	-5,284,435,804
8.517.690.000	APPS FOR TRAMIT/RECP/VID/VOIC/DATE/IMG, NESOI							-431,948,934	-362,912,573
8.517.700.000	PARTS FOR APPS FOR TRAMIS/RECP OF VOICE/IMG/DATA							-1,241,253,086	-1,302,380,995
8.517.900.400	PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA	-24,322,674	-30,990,189	-32,000,000	-33,914,072	-24,215,268	-21,544,302		
8.517.900.800	PARTS OF FACSIMILE MACHINES, NESOI	-14,016,752	-12,090,758	-9,315,921	-20,545,925	-38,649,193	-36,935,316		
8.517.902.000	PARTS FOR TELEPHONIC SWITCHING APPARATUS	54,983,943	89,186,196	23,323,734	17,090,822	19,517,966	38,271,124		
8.517.902.400	PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT	-17,077,333	-5,957,867	-7,440,906	-7,282,753	-15,394,289	-19,667,205		
8.517.902.600	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA	-86,136	-194,150	-301,066	-523,701	-501,624	-748,066		
8.517.903.200	PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30,	-3,395,456	-3,121,513	-2,271,811	-3,364,043	-5,075,090	-5,594,086		
8.517.903.400	PARTS OF TELEPHONIC AND TELEGRAPHIC SWITCHING APP	-1,539,879	-6,634,979	-9,508,537	-6,240,753	-5,279,334	-12,833,897		
8.517.903.600	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC SWITCHIN	-75,532,931	-63,793,242	-38,000,000	-60,288,980	-90,958,195	-110,747,584		
8.517.903.800	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU	-62,120,304	-40,825,887	-28,000,000	-35,324,835	-60,851,062	-42,166,882		
8.517.904.400	PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT	-6,291,465	-11,723,993	-130,000,000	-341,000,000	-316,953,489	-320,534,187		
8.517.905.000	PARTS, NESOI, FOR TELEPHONIC APPARATUS	84,872,706	26,503,846	23,803,126	23,291,985	52,222,054	68,768,319		
8.517.905.200	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR	-918,554	-2,108,024	-4,306,769	-3,072,826	-3,270,747	-4,556,899		
8.517.905.400	PARTS FOR TELEPHONIC APPARATUS FOR SWITCHING OR TE	-1,449,602	-3,235,106	-2,968,146	-3,753,447	-2,602,659	-6,482,110		
8.517.906.400	PARTS OF TELEPHONIC APPARATUS, NESOI	-41,007,430	-34,414,150	-37,000,000	-42,314,534	-44,328,746	-75,536,005		
8.517.909.000	PARTS FOR TELEGRAPHIC APPARATUS	73,039,982	169,000,000	179,000,000	261,000,000	206,479,534	290,998,871		
8.519.813.010	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS							-241,713,981	-244,707,600
8.519.814.020	OPTICAL DISC RECORDERS							-14,560,993	-8,817,074
8.519.990.045	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS	-697,224,898	-847,000,000	-700,000,000	-634,000,000	-532,423,107	-355,984,277		
8.521.100.000	VIDEO RECORDING OR REPRODUCING APPARATUS, WHETHER	4,168,651	12,090,758	1,323,000	1,107,368				
8.521.106.000	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC	-392,077,753	-340,000,000	-200,000,000	-116,000,000				
8.521.109.000	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC	-1,109,520	-177,335	-4,368,380	-963,126				
8.521.900.000	VIDEO RECORDING OR REPRODUCING APPARATUS EXCEPT MA	-1,250,866,994	-2,126,380,448	-2,400,000,000	-2,926,000,000	-2,814,099,801	-3,366,493,392	-2,489,997,878	-1,288,852,686
8.523.292.000	MAGNET TAPES FR REPRODUCING OTHER THAN SOUND/IMAGE							59,666	111,753
8.523.299.000	RECORDED MAGNETIC MEDIA, NESOI							23,219,741	11,730,327
8.523.402.010	LASER DISCS NOT FOR REPRODUCING SOUND/IMAGE, RETAIL							23,676,583	22,159,698
8.523.402.020	LASER DISCS NOT FOR REPRODUCING SOUND/IMAGE, NESOI							38,969,325	53,157,355
8.523.403.000	RECORDED OPTICAL MEDIA, FOR REPRODUCING SOUND ONLY							-6,552,997	-6,726,970
8.523.404.000	RECORDED OPTICAL MEDIA FOR INSTRUCTIONS, DATA, ETC							-16,113,600	34,717
8.523.405.000	DISCS FOR LASER READING SYSTEMS, NESOI							-6,244,613	-6,532,138
8.523.510.000	SOLID STATE NON-VOLATILE STORAGE DEVICES							-507,852,875	-758,542,240
8.523.520.000	SMART CARDS							-68,686,708	-55,858,813
8.523.590.000	SEMICONDUCTOR MEDIA FOR REPRO SOUND, NESOI							-19,210,010	-9,420,155
8.523.802.000	RECORDED/UNRECORDED MEDIA FOR SOUND, ETC., NESOI							-132,201,657	-13,689,905
8.524.310.000	DISCS FOR LASER READING SYSTEMS, FOR REPRODUCING P	21,324,078	-1,778,785	-1,366,987	24,015,977	21,028,636	29,247,658		
8.524.310.030	LASER DISCS, NOT FOR REPRODUCING SOUND/IMAGE, NESOI	-5,971,095							
8.524.310.070	LASER DISCS, NOT FOR REPRODUCING SOUND/IMAGE, NESOI		19,133,736	24,626,426	5,632,382	10,839,475	18,298,789		
8.524.390.000	DISCS FOR LASER READING SYSTEMS, NESOI	13,585,859							
8.524.394.000	DISCS FOR REPRODUCING REPRESENTATIONS OF INSTRUCTI	-24,567,826	-11,651,920	-40,000,000	-57,712,571	-78,653,641	-60,508,396		
8.524.398.000	DISCS FOR LASER READING SYSTEMS, NESOI	-3,856,731	436,932	3,591,352	11,117,953	9,010,191	7,159,839		
8.524.400.000	MAGNETIC TAPE RECORDINGS FOR REPRODUCING PHENOMENA	1,659,041	815,670	1,037,464	2,471,748	437,467	814,878		
8.524.910.000	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO	7,243,936							
8.524.910.030	PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S	-444,254	-643,541	-2,340,286	4,686,486	10,845,090	22,188,646		
8.524.910.070	OTHER MAGNETIC MEDIA, FOR REPRODUCING PHENOMENA OT	-1,065,963	7,180,354	17,679,261	10,264,057	4,965,155	4,367,539		
8.524.990.000	RECORDED MEDIA, NESOI	14,568,993	18,025,073	19,191,937	15,059,812	33,188,172	23,870,726		
8.524.994.000	RECORDED MEDIA FOR SOUND OR OTHER SIMILIARLY RECOR	-5,494,863	-9,805,392	-6,548,021	-9,423,668	-20,009,026	-12,825,402		
8.525.106.070	RADIO TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING	2,295,711	2,614,663	2,179,280	4,053,076	2,023,900	1,523,935		
8.525.106.090	RADIO TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING	2,247,527	2,602,437	2,534,190	3,856,524	4,299,058	5,690,869		
8.525.107.065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY	-33,397	-22,892	-10,160	-234,464	-10,571	-410,358		
8.525.107.085	TRANSMIT FR FREQUENCY GT 1000 MHZ, RADIOBROADCAST	-19,409	-68,727	-294,946	-422,416	-259,443	-525,318		
8.525.107.090	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESOI	-19,409	-1,279,237	-871,111	-2,426,416	-369,228	-1,112,702		
8.525.108.102	TRANSMISSION APPARATUS, NESOI, FOR CIVIL AIRCRAFT	1,093,691	1,022,052	636,082	2,408,683	3,052,273	2,050,040		
8.525.108.040	TRANSMISSION APPARATUS, NESOI, FOR RADIOTELEPHONY, RAD	3,633,603	3,970,246	3,803,463	6,145,111	2,683,229	3,933,453		
8.525.109.025	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY	-439,441	-201,983	-724,064	-481,074	-390,464	-325,509		
8.525.109.065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY	-2,041,041	-4,909,093	-4,946,738	-6,458,282	-4,667,439	-7,038,711		
8.525.109.085	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY	-3,428,042	-1,123,217	-428,825	-787,900	-33,889,170	-9,464,152		
8.525.109.090	TRANSMISSION APPARATUS FOR RADIOTELEPHONY OR RADIO	-9,809,541	-10,390,357	-30,000,000	-56,388,237	-132,056,335	-114,929,443		
8.525.203.025	RADIO TRANSCIEVERS, HAND-HELD, FOR FREQUENCIES EXC	-175,857,655	-355,000,000	-740,000,000	-876,000,000	-153,456,058	-131,730,014		
8.525.203.055	RADIO TRANSCIEVERS, NESOI, FOR FREQUENCIES EXCEEDI	129,862,830	58,987,825	24,746,627	11,351,069	23,608,534	9,768,877		
8.525.203.080	RADIO TRANSCIEVERS, EXCEPT HANDHELD, FOR FREQUENCY	-1,007,611	-6,543,552	-13,000,000	-23,515,215	-14,742,564	-29,380,030		
8.525.209.020	RADIO TELEPHONES DESIGNED FOR INSTALLATION IN MOTO	5,459,815	2,255,251	4,120,359	1,763,128	422,558	-4,736,690		
8.525.209.040	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	1,407,438	1,460,774	1,062,045	1,664,504	110,465,366	57,544,522		
8.525.209.060	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	-20,940	-1,523,260	-427,262	-828,233	-3,892,967	-2,579,811		
8.525.209.070	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	-614,093,134	-1,440,000,000	-2,000,000,000	-4,310,000,000	-8,457,345,725	-10,895,631,782		
8.525.209.080	RADIO AND TELEVISION TRANSMISSION APPARATUS, NESOI	1,193,542	-79,998,954	-69,000,000	-194,438,643	-565,655,267	-693,394,447		
8.525.300.020	TELEVISION CAMERAS, COLOR	1,944,412	840,042	1,374,554	3,209,579	5,072,051	3,217,482		
8.525.300.070	TELEVISION CAMERAS, EXCEPT COLOR	149,474	2,800	232,872	126,412	1,855,273	2,520,618		
8.525.303.000	GYROSTABILIZED TELEVISION CAMERAS				90,931	-12,410	-248,829		
8.525.306.000	STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE		-18,523	-3,224	-5,899	-95,213	-103,916</		

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
8.526,910,030	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	1,155,921	1,501,435	4,758,273	8,063,375	15,174,476	11,781,292	20,146,228	29,554,792
8.526,910,040	RADIO NAVIGATIONAL AID APPARATUS, NESOI	-365,245	-2,323,571	-22,000,000	-27,615,491	-71,883,128	-183,252,883	-528,810,447	-641,574,150
8.526,910,070	RADIO NAVIGATIONAL AID APPARATUS, NESOI	3,271,355	4,029,106	7,131,851	9,471,830	5,368,446	4,669,937	7,856,744	13,091,824
8.526,920,000	RADIO REMOTE CONTROL APPARATUS	-16,430,171	-20,007,808	-28,000,000	-32,000,927	-30,416,811	-35,709,431	-57,278,011	-54,984,820
8.527,211,010	MOTOR VEH RADIO-TAPE PLAYERS COMB, INC OPTICAL DISC							-8,216,065	-7,565,606
8.527,905,000	INFANT NURSERY MONITOR SYSTEMS, PACKAGE CONSISTING	-27,834,800	-27,448,962	-31,000,000	-31,407,902	-27,125,345	-31,908,180		
8.527,908,045	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	66,869							
8.527,908,055	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	240,882							
8.527,908,075	RECEPTION APPARATUS FOR RADIOTELEPHONE, RADIOTELEGR	5,124,892							
8.527,909,550	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	-756,560							
8.527,909,560	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	-2,184	-869,628	-547,310	-886,281	-750,931	-599,955		
8.527,909,590	RECEPTION APPARATUS FOR RADIOBROADCASTING OR RADIO	-9,195,446	-1,445,932	-1,084,596	-1,804,300	-2,440,790	-6,482,146		
8.527,909,745	RADIO RECEIVERS (400 - 1000 MHZ)			11,880	15,268	17,272	84,487		
8.527,909,755	RADIO RECEIVERS GT 1000 MHZ		286,625	545,700	1,810,043	1,917,907	398,781		
8.527,909,775	RECEPTION APPARATUS RADIO COMMUNICATIONS, NESOI		613,687	2,466,832	631,549	501,328	623,192		
8.527,991,000	INFANT NURSERY MONITOR SYSTEMS (TRANSMIT, REC, ADPT)							-32,701,957	-30,043,300
8.527,992,030	RADIO RECEIVERS F FREQ GT 400 MHZ							-3,667,496	-114,261
8.527,993,030	RADIO RECEIVERS, EXCEEDING 400 MHZ NESOI							2,818,037	4,745,349
8.527,995,030	RECEPTION APPARATUS, NESOI							1,124,868	970,683
8.527,995,040	RADIOBROADCAST RECEIVERS, NESOI							-20,067,188	-5,648,876
8.528,120,400	TV RECEIVERS INCOMPLETE OR UNFINISHED ASSEMB, COLO	-52,828	-246,797	-188,176	-961,083	-938,824	-698,064		
8.528,121,201	RECEPTION APPARATUS FOR TV, COLOR, SINGLE P	-10,348,618	-1,911,088	-21,000,000	-29,730,308	-26,704,637	-42,425,940		
8.528,121,601	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	-5,365	-5,615,328			-568,552	-1,863,895	-4,743,931	
8.528,122,800	RECEPTION APPAR FOR TV, NON-HI DEF, COLOR, SINGLE PIC	-5,365	-822,976	-18,000,000	-173,000,000	-57,286,328	-63,484,958		
8.528,123,000	RECEPTION APPARATUS FOR TV, COLOR, INCORPORATING V	595,294	293,119	758,815	3,140,058	3,981,614	7,295,371		
8.528,123,600	TV REC, COL, NON-HD, PROJ, CATH-RAY, W/ VIDEO REC/REP				-20,039			-1,438,371	
8.528,124,000	RECEPTION APPA FOR TV, COLOR, NON-HIGH DEFINITION,	-16,597,170	-10,715,664	-6,911,936	-117,055	-2,600	-2,810,638		
8.528,124,400	TV REC, COL, HI-DEF, NON-PROJ, CATH-RAY TUBE W/REC REP								
8.528,124,800	RECEPTION APPARATUS FOR TV, COLOR, HIGH-DEFINITION	-5,847	-6,662	-10,000,000	-2,528,376	-6,838,759	-6,577,905		
8.528,125,200	TV REC, COLOR, HD, PROJ, CATH-RAY, W/ VIDEO REC/REP					-76,338	-147,600		
8.528,126,600	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION	-15,203	-3,534	-8,000	-658,565		-37,696		
8.528,126,201	RECEPTION APPARATUS FOR TV, CLR, W/ A FLAT PANEL SC	-113,400	-2,813,560	-16,000,000	-14,506,648	-71,374,669	-97,545,440		
8.528,126,401	RECEPTION APP, FR, TV, COLOR, WITH A FLAT PANEL SCR	-563,200		-36,011	-12,275,384	-65,600,207	-241,126,694		
8.528,126,801	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI	-5,323,464	-11,076,256	-31,000,000	-68,543,667	-80,897,572	-98,901,630		
8.528,127,201	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	-1,788,637	-1,480,530	-36,000,000	-283,000,000	-994,591,384	-2,230,578,689		
8.528,127,601	RECEIPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R	-1,061,500	-1,874,344	-637,859	-1,309,902	-2,878,048	-2,395,330		
8.528,128,001	REC TV, COLOR, VIDEO RECORD OR REPRODUCE EXC 34.29CM		-5,204	-26,842	-30,008	-9,419	-193,803		
8.528,128,401	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A		-71,272		-180,105	-94,941	-5,972,846		
8.528,128,200	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	-3,987,022	-3,558,018	-724,436	-74,279,611	-409,783,025	-747,617,573		
8.528,129,300	RECEPTION APPARATUS FOR TV, COLOR, WITH A PRINTED	-27,503,237	-61,249,379	-57,000,000	-48,196,971	-49,903,151	-34,742,575		
8.528,129,700	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	-917,242	-327,761	-3,452,460	-5,957,022	-9,661,482	-45,655,501		
8.528,301,000	VIDEO PRJOECTORS, COLOR, INCOMPLETE, NOT INCORP A	-45,500			-66,500	-1,155,205	-81,539		
8.528,302,000	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA	-3,175	-294,000	-887,758	-354,811	-1,155,205	-174,931		
8.528,303,000	VIDEO PROJECTORS, CLR, NON-HI DEF, W/CRT, W/ REC/REP							-130,445	
8.528,304,000	VIDEO PROJECTORS, CLR, NON-HD, W/ CRT, NESOI	-3,352			-5,064		-143,194		
8.528,306,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI						-2,270,012		
8.528,306,201	VIDEO PROJ, CLR, FLAT PNL SCR, W/REC/REP, LT=34.29 CM				-267,130	-68,000	-154,224		
8.528,306,401	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, GT 34.29 CM			-2,500	2,500		-8,829		
8.528,306,601	RECEPT, APP, FOR TELEVIS, VIDEO PROJ, COLOR, FLAT	-21,116,469	-36,318,927	-210,000,000	-497,000,000	-659,322,924	-967,816,683		
8.528,306,801	RECEPT, APP, FOR TELEVIS, VIDEO PROJECT, COLOR, F	-258,400		-266,052	-154,747	-1,389,973	-1,245,369		
8.528,307,200	VIDEO PROJECTORS, COLOR, NESOI, INCORPORATING VIDE		-2,906	-7,416		-29,315	-239,531		
8.528,307,800	VIDEO PROJECTORS, COLOR, NESOI	-4,397	-13,334	-26,639	-342,260	-490,238	-1,982,159		
8.528,510,000	MONITORS FOR ADP OF HEADING 8471, NESOI							-5,240,106,592	-5,334,342,464
8.528,610,000	PROJECTORS FOR ADP OF HEADING 8471							-523,922,992	-74,168,852
8.528,690,500	VIDEO PRJECTS, CLO, INCMP, NOT CRT/FLAT, W/ VID REC/REP							-14,100	
8.528,691,000	VIDEO PROJ, CLO, INCOMPLETE, NOT CRT/FLAT PNL, NESOI							-6,107,895	-1,910,996
8.528,693,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI							-2,552	-1,183
8.528,693,500	VIDEO PROJ, CLR, FLAT PNL SCR, W/REC/REP, LT=34.29 CM							-17,769,682	-2,541,636
8.528,694,000	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, GT 34.29 CM							-253,351	-23,121
8.528,694,500	VIDEO PROJ, COLOR, FLAT PNL SCR, LT= 34.29 CM, NESOI							-812,729,285	-883,078,768
8.528,695,000	VIDEO PROJ, COLOR, FLAT PNL SCR, GT 34.29 CM, NESOI							-549,716	-6,745,468
8.528,695,500	VIDEO PROJECTORS, COLOR, INC VIDEO REC/REP, NESOI							-20,130	-140,162
8.528,696,000	VIDEO PROJECTORS, COLOR, NESOI							-1,682,755	-684,884
8.528,711,000	TV REC, COLOR, VIDEO REC/ REP							-19,005	-3,762,408
8.528,712,000	TV SET TOP BOXES W/ COMMICNTN FUNC, COL, GT 34.29CM							-1,336,651,270	-1,410,776,901
8.528,713,000	TV REC, COLOR, PC ASSEM, W/ TUNER, NESOI							-20,482,209	-11,907,367
8.528,714,000	TV RECPT APPARATUS, COLOR, NO VID DISPAY, NESOI							-5,938,888	-828,329,259
8.528,714,500	TV RECPT APPARATUS NO VIDEO DISPLAY B/W/MONO NESOI							-48,011	-99,840
8.528,720,400	TV REC, INCMP ASSMB, COLOR NO CRT, FLAT PAN, REROD							-173,540	-4,260
8.528,721,200	TV REC, COLOR, REC/REP, NON-HD, 1 PICT TUB LT=34.29CM							-16,608,469	-14,391,077
8.528,721,600	TV REC, NON-HD, COLOR, 1 TUBE REC, APPS, DIAG GT 34.29CM							-320,968	-18,165
8.528,722,800	TV REC, COLOR, NON-HD, 1 PICT TUB, DIS, 1 T35-50CM, REC AP							-41,007,979	-27,037,518
8.528,723,000	TV REC, APP, COLOR, INC VIDEO RCRDING/REPROD APP							2,316,408	363,113
8.528,723,600	TV REC, COL, NON-HD, PROJ, CATH-RAY, W/ VIDEO REC/REP								-4,437,216
8.528,724,000	TV REC, COLOR, NON-HD, PROJ, CATH-RAY TUBE, NESOI							-193,325	
8.528,724,800	TV REC, COLOR, HD, NON-PROJ, W/CATH-RAY TUBE, NESOI							-266,270	-30,163
8.528,726,200	TV REC, COL, FLAT PAN SCR, VID REC/REP, LT=34.29 CM							-63,845,190	-23,843,826
8.528,726,400	TV REC, COL, FLAT PANEL SCREEN, VIDEO REC/ REP, NES							-347,424,627	-405,419,522
8.528,726,800	TV REC, COLOR, FLAT PANEL SCREEN, DIS LT=34.29CM, NES							-59,949,532	-59,101,299
8.528,727,210	PLASMA TV REC, COLOR, FLAT PNL SCR, DISP GT 34.29CM							-100,125,148	-280,597,269
8.528,727,250	LCD TV REC, COLOR, FLAT PNL SCR, DISP GT 34.29CM							-3,088,396,248	-3,965,276,383
8.528,727,270	TV REC, COLOR, FLAT PNL SCR, DISP GT 34.29CM, NESOI							-22,423,164	-2,560,643
8.528,727,600	TV REC, COLOR, VIDEO REC/ REP, DISP LT= 34.29CM, NES							-367,354	-101,640
8.528,728,000	TV REC, COLOR, VIDEO REC/ REP, DISP GT 34.29CM, NES							-1,497,826	-4,514
8.528,728,400	TV REC, COLOR, VIDEO NOT EXC, 34.29 CM, NESOI							-1,195,109	-1,458,272
8.528,729,700	TV RECPT APPARATUS, COLOR, NESOI							-3,159,781	-379,556
8.529,900,900	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI		-7,822	-73,637	-3,614,186	-2,588,220	-131,119	-826,321	-823,636
8.529,901,620	PRNT CIR ASSEMBLS, ASSEMBLS & SUBASSEMBLS OR RADAR		-24,244	-36,019	-11,493	-2,557	-26,429	-54,408	-306,497
8.529,901,640	PRINTED CIRCUIT ASSEMBLIES, ASSEMBLIES & SUBASSEMBL	-37,260	-9,463	-40,000	-53,320	-69,240	-37,193	-187,424	-4,248,376
8.529,901,660	PRNTD CIR ASSEMBLS, ASSEMBLIES & SUBASSEMBLIES CO	-165,680	-187,193	-178,268	-336,426	-409,778	-649,113	-566,058	-190,322
8.529,901,920	PRNTD CIR ASSEMBLS, NOT ASSEM & SUBASSEM, OF RADAR				-5,980		-12,546	-719,675	-336,069
8.529,901,940	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	-4,066	-58,201	-449,255	-79,063	-79,720	-1,572,631	-837,714	-633,182
8.529,901,960	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	-285,941	-307,165	-735,769	-570,270	-463,136	-534,926	-534,926	-534,926
8.529,902,900	TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD	-6,500	-8,673	-82,775	-19,275	-379,000	-485,186	-302,307	-125,529
8.529,903,000	PARTS OF TELEVISION CAMERAS	111,512	861,078	3,519,069	5,757,997	1,463,248	722,914	2,447,154	1,320,052
8.529,903,900	PRTS OF TELEVISION RECEIVERS, EXCEPT TUNERS, SUBAS	-1,235,425	-575,479	-3,122,911	-51,769,330	-112,106,430	-49,936,902	-93,786,731	-101,723,577
8.529,904,720	PARTS FOR RADAR APPARATUS	-360,552	-786,414	-1,419,411	-542,980	-1,669,041	-5,269,430	-3,879,703	-2,9

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
8.541,100.070	DIODES, OTHER THAN PHOTOSENSITIVE OR LED, WITH A MA	-3,224,950	-5,477,724	-5,776,976	-6,313,645	-7,615,432	-11,222,562	-15,533,308	-13,863,823
8.541,100.080	SEMICONDUCTOR DIODES NOT PHOTOSENSITIVE OR LED, WIT	-30,966,058	-47,721,396	-61,000,000	-82,080,747	-94,050,773	-107,884,725	-96,423,479	-109,202,044
8.541,210.040	UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE	1,228,413	6,960,722	4,284,374	3,003,008	1,755,241	-125,988	2,629,458	15,731,432
8.541,210.075	TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS	-929,963	-1,384,928	-2,817,495	-6,655,071	-8,997,711	-10,305,661	-6,565,576	-5,417,089
8.541,210.080	TRANSISTORS, OTHER THAN PHOTOSENSITIVE, WITH A DISS	11,587,827	5,852,799	6,118,432	3,556,315	2,923,596	3,150,738	5,396,394	4,268,455
8.541,210.095	TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS	-24,489,216	-41,248,722	-33,000,000	-43,936,413	-46,669,237	-54,399,359	-52,977,468	-61,375,180
8.541,290.040	UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O	94,891,798	113,047,755	146,000,000	126,557,134	83,512,938	66,904,330	81,396,332	103,797,234
8.541,290.075	TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION	-1,142,913	-964,123	-1,695,354	-3,317,240	-2,542,773	-1,999,759	-9,261,772	-12,438,009
8.541,290.090	TRANSISTORS OTHER THAN PHOTOSENSITIVE, WITH A DISS	13,804,725	7,265,250	5,595,927	16,890,271	27,971,123	46,112,919	42,612,960	44,988,358
8.541,290.095	TRANSISTORS OTHER THAN PHOTOSENSITIVE, DISSIPATION	-29,279,252	-26,874,499	-27,000,000	-34,263,133	-42,188,092	-64,957,148	-68,019,243	-79,371,873
8.541,300.040	UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA	42,521	81,543	43,774	296,256	536,194	213,323	768,520	2,614,441
8.541,300.080	THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTOSENSIT	-256,431	-1,545,903	-931,567	-1,029,629	-22,361,116	-25,631,959	-2,185,148	-6,378,374
8.541,406.010	UNMOUNTED CHIPS, DICE OR WAFERS FOR PHOTOSENSITIV	108,844	840,994	942,881	924,730	1,525,268	3,383,502	1,856,891	4,643,315
8.541,406.020	SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS	-17,925,558	-4,306,083	-11,000,000	-10,498,989	-20,484,874	-60,857,320	-158,309,049	-208,256,975
8.541,406.030	SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP	298,008	1,947,437	9,018,888	3,535,652	4,486,505	3,934,936	772,469	-436,703
8.541,406.050	PHOTOSENSITIVE DIODES, NESOI	-3,216,845	-7,685,695	-3,749,306	-4,454,910	-4,991,489	78,139	6,844,604	6,550,827
8.541,407.040	UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTOSENSITV	299,190	759,263	-89,909	-48,433	-213,006	73,394	2,191,411	8,757,537
8.541,407.080	PHOTOSENSITIVE TRANSISTERS	-365,524	-520,114	-838,951	-300,321	295,631	-602,375	-906,776	-1,005,373
8.541,408.000	OPTICAL COUPLED ISOLATORS	-5,519,511	-587,287	-279,740	-3,949,469	-6,058,036	-14,387,628	-14,170,037	-14,715,073
8.541,409.500	PHOTOSENSITIVE SEMICONDUCTOR DEVICES, NESOI	7,668,799	-4,871,100	-2,698,999	-5,957,610	-4,823,409	-6,365,251	-2,317,381	-6,144,696
8.541,500.040	UNMOUNTED CHIPS, DICE, WAFERS FOR SEMICONDUCTOR DE	6,005,154	6,005,154	6,005,154	6,005,154	6,005,154	6,005,154	6,005,154	6,005,154
8.541,500.080	SEMICONDUCTOR DEVICES, NESOI	3,881,302	12,203,553	-1,904,585	5,091,619	6,788,716	9,280,163	79,852,149	66,487,229
8.541,900.000	PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDUCT	13,214,154	7,392,594	16,251,298	30,167,438	9,674,045	-1,074,932	4,750,148	-21,651,585
8.542,100.000	MONOLITHIC DIGITAL INTEGRATED CIRCUITS; CARDS INCO		8,064,970	-2,771,807	-7,884,687	-19,738,898	-33,634,864		
8.542,120.000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, MOS TECHN	-3,302,260							
8.542,134.000	UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA	1,745,439							
8.542,138.005	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	316,279,102							
8.542,138.010	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	117,984,802							
8.542,138.012	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	3,216,998							
8.542,138.021	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8.542,138.022	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8.542,138.023	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8.542,138.024	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8.542,138.025	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	10,381,536							
8.542,138.026	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-402,802							
8.542,138.027	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8.542,138.028	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8.542,138.029	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-184,957							
8.542,138.030	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-8,113,805							
8.542,138.031	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-4,061,092							
8.542,138.032	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-6,135,161							
8.542,138.034	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8.542,138.037	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8.542,138.038	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8.542,138.039	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M								
8.542,138.041	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M								
8.542,138.043	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	-2,260,238							
8.542,138.044	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	5,215,638							
8.542,138.045	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M	-5,516							
8.542,138.049	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-289,918							
8.542,138.051	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-42,603,887							
8.542,138.052	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-4,409,486							
8.542,138.056	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	6,186,861							
8.542,138.057	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-42,520,187							
8.542,138.058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON, M	-351,845							
8.542,138.059	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-2,650,630							
8.542,138.060	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-6,444,599							
8.542,138.061	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	651,565							
8.542,138.065	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-1,557,363							
8.542,138.066	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-43,394,327							
8.542,138.067	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	181,620							
8.542,138.068	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	13,838,637							
8.542,138.072	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-2,503,712							
8.542,138.092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	127,127							
8.542,138.096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	7,890,121							
8.542,144.000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, BIPOLAR T	51,447							
8.542,148.001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	21,510,804							
8.542,148.002	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	2,800,754							
8.542,148.004	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	402,679							
8.542,148.007	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-348,845							
8.542,148.011	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-80,577							
8.542,148.012	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	953							
8.542,148.017	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	-6,320,229							
8.542,148.092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	-5,100							
8.542,148.096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	449,127							
8.542,194.000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OBTAINED	100,960							
8.542,198.001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	-224,995							
8.542,198.002	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	1,315,680							
8.542,198.073	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-114,403							
8.542,198.078	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	-3,188,091							
8.542,198.079	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	1,512,737							
8.542,198.092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	2,680							
8.542,198.096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	20,821,898							
8.542,214.000	MONOLITHIC IC, DGTL, FOL, 1000 GATES		9,841,524	13,962,927	6,031,152	2,164,495	4,578,949		
8.542,218.005	CHIPS & WAFERS OF SILICON DGTL, MNLTHC IC		645,000,000	1,320,000,000	1,384,000,804	1,733,316,849	3,060,128,748		
8.542,218.010	UNMTD CHP, DICE & WAFR FOR DGTL MNLTHC IC, EX SLCN		5,399,095	4,142,388	7,038,717	25,428,269	134,110,141		
8.542,218.020	UNMOUNTED CRCT SLCN DGTL VLT MEM DRAM LT=16 MB					-1,650,070	-15,505,807		
8.542,218.021	MONO IC, DIG, SI, VOLTAGE MEM, DRAM, LT=1MB		15,931,793	2,155,245	4,936,162	829,093	1,605,721		
8.542,218.022	MNLTHC IC, DIG, SI, VOLATILE MEM, GT 1MB BUT LT=8MB		-593,419	-566,266	-1,203,585				
8.542,218.023	MNLTHC IC, DGTL, SI, VOLATILE MEM, DRAM, 8-16 MEGABITS		-88,065	-257,693	-154,719				
8.542,218.024	MNLTHC IC, DGTL, SI, VOLATILE MEM, DRAM, 16-64 MEGABIT		-1,498,481	-971,571	-3,032,765	-5,863,416	-3,337,714		
8.542,218.025	MNLTHC IC, DGTL, SI, VOLATILE MEM, DRAM, 64-128 MB		-9,205,148	-640,055	-43,742,386	-48,753,408	-24,573,405		
8.542,218.026	MONO INT CRC SLCN DGT VLT MEM DRAM GT 128 LT=256MB					-61,296,485	-39,628,161		
8.542,218.027	MONO INT CRC SLCN DGT VLT MEM DRAM GT 256 LT=512MB					-76,650,498	-219,599,303		
8.542,218.028	MONO INT CRC SLCN DGT VLT MEM DRAM GT 512MB LT=1GB	160,000,000	221,000,000	198,000,000	183,829,825	358,004,623			
8.542,218.029	MNLTHC IC, DGTL, SI, VOLATILE MEM, DRAM, GT 128 MEGABIT		-12,000,000	-6,637,948	-47,828,289				
8.542,218.030	MONO INTGRCR CHPT SLCN DGT VLT MEM DRAM GT 1 GB					-5,542,967	-7,281,222		
8.542,218.031	MONO IC, DGTL, SI, VOLATILE MEM, (SRAM), LT=256 KBITS		1,557,155	1,216,183	-217,322	4,052	3,808,400		
8.542,218.032	MNLTHC IC, DIG, SI, VOLATILE MEM, SRAM, GT 256KB, LT=2MB		-16,508	-1,163,602	-1,245,582	-1,441,574	-1,352,489		
8.542,218.038	MNLTHC IR, SI, DIG, VOLATILE MEM, SRAM, GT 256 KILIBIT		2,137,880	913,595	2,751,765	3,012,541	3,839,571		
8.542,218.039	MNLTHC IC, DIG, SI, VOLATILE MEM, SRAM, GT 2 MEGABITS		-1,232,439	-4,500,950	-3,749,081	-2,478,015	-3,191,982		
8.542,218.041	MNLTHC IC, DIG, SI, EX VOL MEM, EEPROM, LT=64 KLB		-18,000,000	-12,000,000	-10,245,494	-10,814,730	-10,437,074		
8.542,218.042	MNLTHC IC, DIG, SI, EX VOLT, EEPROM, 64-512 KILOBITS		-4,789,582	-4,319,299	-4,940,533	-3,725,546	-3,480,217		
8.542,218.048	MONOLITHIC INTEG CIRCUIT, DIGITL, (EEPROM), ELEC ERAS		9,584,625	17,659,631	37,814,348	192,179,529	351,241,435		
8.542,218.049	MNLTHC IC, DIG, SI, EX VOLT, EEPROM, GT 512 KILOBITS		-51,000,000	-96,000,000	-149,000,000	-238,352,817	-174,276,658		
8.542,218.051	MNLTHC IC, DIG, SI, NOT VOLT, EPROM, LT=64 KILOBITS		-242,130	-91,657	-281,220	-223,198	-700,935		
8.542,218.052	MNLTHC IC, DIG, SI, EX VOLT, EPROM, 64-512 KILOBITS		-1,163,732	-1,147,016	-474,883	-325,270	-263,935		
8.542,218.058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)		664,863	976,920	2,651,293	2,778,282	2,778,282		
8.542,218.059	MNLTHC IC, DIG, SI, EX VOLT, EPROM, GT 512K, 0BITS		-2,902,466	-5,025,456	-1,040,447	-354,646	-1,263,197		
8.542,218.060	MONOLITHIC IC, DIGITAL, SILICON, OTHER MEMORY, NESOI		14,075,482	17,149,600					

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
8.542.290.010	CHPS,DCE,WFRS MONOLITHIC INTEGRAT CIRCUIT,NESOI		92,308,527	89,071,896	122,616,464	179,881,306	515,577,815		
8.542.290.020	MONOLITHIC IC'S,EXEPT DIGL,OPRAT FREQ GT=100MHZ		13,240,114	64,939,073	66,676,694	36,644,263	24,212,739		
8.542.290.030	MONOLITHIC IC, FREQUENCY LT 100 MHZ, LOGIC,MIX SIG		-398,757	-2,540,078	50,036,177	1,089,442	3,172,600		
8.542.290.040	MONOLITHIC IC,FREQ LT 100 MHZ, MIX SIGNAL, NESOI		26,543,602	4,830,185	10,707,969	22,248,095	43,924,922		
8.542.290.050	MONOLITHIC IC,OPERATING FREQUENCY LT 100 MHZ, NESOI		1,519,102	-1,156,437	-16,283,283	-84,019,650	-143,393,032		
8.542.300.040	UNMOUNTED CHIPS, DICE, WAFERS FOR MONOLITHIC INTEG	46,302,637							
8.542.300.060	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	6,201,710							
8.542.300.065	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	15,256,029							
8.542.300.080	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	2,701,397							
8.542.300.090	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	1,802,613							
8.542.310.000	PROCESSORS & CONTOLLERS W/NOT COMBO W MEMORIS, ETC							2,211,364,237	3,399,881,035
8.542.320.011	DYNAMIC READ-WRITE RANDOM ACCESS MEMORY LT=128 MB							15,348,677	-4,791,760
8.542.320.015	ELEC IC, MEM, DYNAMIC READ/WRITE, NT OVR 1 GB							140,800,878	194,741,437
8.542.320.021	DYNAMIC READ-WRITE RANDOM ACCESS GT 128 LT=256MB							-129,298,951	-22,568,410
8.542.320.022	DRAM GT 256 LT=512MB							-172,257,424	-46,713,874
8.542.320.023	DRAM GT 512MB LT=1GB							-14,440,367	-46,047,397
8.542.320.024	DRAM OVER 1 GB							-1,374,240	11,046,457
8.542.320.024	ELEC IC, MEMORY,DRAM, GT 1 GB							382,570,108	
8.542.320.040	STATIC READ-WRITE RANDOM ACCESS (SRAM)							76,768,149	47,582,575
8.542.320.050	ELECTRICALLY ERASABLE PROGRAMABLE READ-ONLY MEMORY							1,181,119,242	892,945,074
8.542.320.060	ERASABLE (EXP ELECTIC) PROGRAMMABLE READ ONLY MEM							-800,842	-2,440,470
8.542.320.070	MONOLITHIC INTEGRATED CIRCUIT MEMORY,NESOI							185,366	-15,555,473
8.542.330.000	ELECTRONIC INTEGRATED CIRCUITS, AMPLIFIERS							8,413,309	58,978,392
8.542.390.000	ELECTRONIC INTEGRATED CIRCUITS, NESOI							856,545,298	394,996,388
8.542.400.075	HYBRID INTEGRATED CIRCUITS, WITH AN OPERATING FREQ	7,310,920							
8.542.400.095	HYBRID INTEGRATED CIRCUITS, NESOI	-14,737,206							
8.542.500.000	ELECTRONIC INTEGRATED CIRCUITS, NESOI, AND MICROAS	10,912,170							
8.542.600.075	HYBRID INTEGRATED CIRCUITS,WITH FREQUENCY GE 30MHZ		7,149,231	-200,872	-4,059,563	-21,510,715	15,102,965		
8.542.600.095	HYBRID INTEGRATED CIRCUITS, NESOI		-10,000,000	-432,769	662,643	6,567,648	-8,634,553		
8.542.700.000	ELECTRONIC MICROASSEMBLIES		5,279,618	10,537,192	19,752,213	9,091,965	61,770,340		
8.542.900.000	PARTS FOR ELECTRONIC INTEGRATED CIRCUITS AND MICRO	21,544,444	8,651,336	25,114,731	38,607,016	16,554,968	49,579,747	93,486,170	71,654,127
8.543.100.000	PARTICLE ACCELERATORS, NESOI							17,919,143	6,055,665
8.543.110.000	ION IMPLANTERS DESIGNED FOR DOPING SEMICONDUCTOR W	11,763,379	7,773,441	33,620,623	55,546,302	42,894,597	63,536,148		
8.543.190.000	PARTICLE ACCELERATORS, NESOI	1,459,903	1,217,839	2,884,624	2,367,836	3,737,232	4,408,335		
8.543.200.000	SIGNAL GENERATORS	8,254,721	7,496,166	6,078,231	8,061,261	4,053,564	3,770,699	13,824,685	5,102,573
8.543.702.000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI							7,686,467	2,897,722
8.543.706.000	ART. FOR CONNECTN TO TELEGRAPH/TELEPHON APP/NETWKS							1,319,183	-1,150,834
8.543.891.000	PVD APPARATUS FOR PROCESS OF SEMICONDUCTOR MATS		46,523,808	55,930,411	182,986,841	46,957,308	69,901,767		
8.543.892.000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI		5,340,432	4,350,844	7,539,841	1,722,251	4,602,694		
8.544.700.000	INSULATED OPTICAL FIBER CABLES WITH INDIVIDUALLY S	-2,762,002	2,568,232	-3,843,113	-22,044,376	-37,859,388	-63,620,254	-64,813,996	-73,920,076
8.802.110.030	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH		1,533,135	382,989	2,302,305	2,266,871	423,144	1,155,187	1,401,783
8.802.110.045	NEW HELICOPTERS, NON-MILITARY, UNLNDN WT 998-2000KG			388,000			886,000	2,498,000	
8.802.120.040	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH	16,833,698					20,554,655	4,500,000	39,087,476
8.802.300.030	NEW MULTIPLE ENGINE AIRPLANES, NON-MILITARY, OF AN	6,999,000	3,200,000				6,036,780	2,500,000	
8.802.300.040	NEW TURBOFAN POWERED AIRPLANES, NON-MILITARY, OF A	58,978,831	63,750,057				46,741,606	14,818,000	61,217,839
8.802.300.050	NEW MULTI ENG PLANES,NOT TURBOFAN,(4536-15000 KG)						5,350,000	18,046,124	19,047,000
8.802.400.040	NEW AIRCRAFT PASSENGER TRANSPORTS, NON-MILITARY, O	1,478,048,624	1,940,000,000	1,890,000,000	1,490,000,000	3,092,489,311	3,906,501,455	5,024,234,810	3,230,261,699
8.802.400.060	NEW AIRCRAFT CARGO TRANSPORTS, NON-MILITARY, OF AN	589,979,562	1,000,000,000				442,657,188	1,073,000,483	958,826,280
8.802.603.000	COMMUNICATIONS SATELLITES								770,422,208
8.803.100.010	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	4,415,455	1,493,062	1,499,321	692,116	2,503,055	7,534,827	2,922,368	10,829,085
8.803.100.015	PROPS & RTRS & PARTS FOR CVL ARCT, FOR DOD OR USCG							-3,307	
8.803.100.030	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	-7,800	-4,716	-9,116	-9,116		-34,300	-48,663	-59,064
8.803.100.050	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	405,050	1,660,891	2,005,918	89,617	147,629	647,668	517,612	
8.803.100.060	PROPLERS & ROTORS & PARTS THEREOF FOR MILITARY AIR						-40,000		1,200,945
8.803.200.010	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	4,033,689	5,695,360	6,167,223	12,691,593	18,709,443	33,603,032	35,339,504	57,857,576
8.803.200.015	UNDERCRIGES & PARTS FOR CIVL ARCT, FOR DOD OR USCG								-56,460
8.803.200.030	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	-1,353,995	-149,929	-20,983	-23,485	-282,862	-341,871	-1,230,539	-1,372,130
8.803.200.050	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN MILITA	19,762	192,043	96,024	4,336,120	2,273,585	346,960	461,819	
8.803.200.060	UNDERCARRIAGES & PARTS THEREOF FOR MILITARY AIR						-124,552		-4,038
8.803.300.010	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	256,410,782	249,000,000	264,000,000	308,000,000	511,661,628	719,882,845	774,573,753	731,879,164
8.803.300.015	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO		-164,743	-11,500			-18,715	-3,765	-53,952
8.803.300.030	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO	-55,862,988	-51,000,000	-52,000,000	-67,615,910	-70,546,148	-114,507,201	-154,877,611	-165,468,035
8.803.300.050	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	1,349,644	4,093,233	5,344,630	2,648,393	5,275,728	2,355,144	10,832,046	
8.803.300.060	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	-1,235,828	-2,183,094	-8,939,280	-10,601,781	-12,415,643	-14,220,324	-19,812,655	-21,354,349
8.803.903.000	PARTS OF COMMUNICATIONS SATELLITES	96,234	108,304	283,257	230,722	574,695	256,334	965,453	342,665
8.805.200.000	GROUND FLYING TRAINERS AND PARTS THEROF	810,264							
8.805.210.000	AIR COMBAT SIMULATORS AND PARTS THEREOF		-11,334	26,500	79,910	72,920	53,000	28,449	94,794
8.805.290.000	GROUND FLYING TRAINERS AND PARTS THEREOF, NESOI		13,007,753	50,079	302,500	645,469	256,672	672,417	2,935,288
9.001.100.000	OPTICAL FIBERS, OPTICAL FIBER BUNDLES AND CABLES E	47,480,974	3,439,906	5,127,902	3,059,155	5,484,464	20,989,137	45,113,627	64,125,260
9.001.100.030	OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR	-25,134,835	-4,792,605	-2,369,200	-3,352,319	-3,386,642	-2,645,329	-5,031,018	-2,010,153
9.001.100.070	OPTICAL FIBERS EXCEPT OF PLASTIC, NESOI	-2,139,692	-1,473,791	-472,971	-494,613	-77,461	-257,642	-345,191	-184,655
9.001.100.085	OPTICAL FIBER BUNDLES AND CABLE OTHER THAN THOSE	-1,178,955	-628,453	-670,386	-696,159	-1,211,888	-849,459	-1,015,688	-2,243,998
9.001.901.000	LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESOI	2,052,844	2,379,860	2,295,489	3,627,856				
9.001.904.000	LENSES, UNMOUNTED, NESOI	-15,814,527	-14,000,000	-16,000,000	-16,727,008				
9.001.905.000	PRISMS, UNMOUNTED, NESOI	-1,424,767	-848,574	-1,308,683	-1,437,191				
9.001.906.000	MIRRORS, UNMOUNTED, NESOI	-1,104,093	-1,218,068	-1,154,188	-2,078,602				
9.001.909.000	OPTICAL ELEMENTS, UNMOUNTED, NESOI	-10,747,573	-3,349,737	-6,514,510	-15,221,436				
9.002.902.000	PRISMS MOUNTED, NESOI	-265,945	-256,286	-681,675	-1,693,790				
9.002.904.000	MIRRORS MOUNTED, NESOI	-633,245	-740,941	-1,552,354	-1,336,164				
9.002.905.500	OPTICAL ELEMENTS, NESOI	-2,750,585	-2,905,552	-2,262,844	-2,916,148	-3,254,434	-5,692,602	-8,672,514	-12,054,796
9.005.100.020	PRISM BINOCULARS FOR USE WITH INFRARED LIGHT	-87,214	-241,625	-1,457,207	258,546	-1,578,700	-6,364,307	-293,321	-2,730,902
9.005.804.020	OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT	-18,164	-141,860	-33,306	343,028	-40,470	-57,682	-15,573	-393,923
9.005.804.040	OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI	-26,809,697	-27,000,000	-40,000,000	-41,666,500	-39,718,190	-46,630,018	-44,677,225	-44,338,541
9.006.610.040	DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE O	-425,494	-137,903	-413,375	-1,356,136	-454,168	-2,208,694	-2,099,537	-1,839,596
9.007.914.000	PARTS FOR CAMERAS	-93,651	-159,062	-355,386	-524,040	-3,595,884	-3,493,410	-3,023,103	-3,290,523
9.010.410.000	DIRECT WRITE-ON-WAFER APPARATUS			65,000	39,776	52,122	13,368		
9.010.410.040	E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN						-6,843		
9.010.410.080	DIRECT WRT WAFER APPT, FOR PROJTN OF CIRCUIT, NESOI					-2,145			
9.010.420.000	STEP AND REPEAT ALIGNERS FOR THE PROJECTION OF CIR		515,199	607,451	1,093,875	101,730	3,597,864		
9.010.490.000	APPARATUS FOR THE PROJECTION OF CIRCUIT PATTERNS O	670,472	803,091	89,705	2,012,590	3,210,971	4,107,999		
9.011.100.000	STEREOSCOPIC MICROSCOPES	404,893	211,325	595,828	1,008,443	435,426	487,179	248,792	363,673
9.011.104.000	STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE					-1,505,211	-1,592,944	-1,969,749	-1,306,969
9.011.108.000	STEREOSCOPIC MICROSCOPES,								

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
9,014,804,000	OTHER ELECTRICAL INSTRUMENTS AND APPLIANCES FOR NA	-2,914,742	-2,935,264	-2,825,599	-1,585,431	-2,416,257	-13,038,341	-5,064,092	-11,243,200
9,014,805,000	OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES, NES	-16,404	-30,861	-28,991	-286,847	-136,462	-336,967	-218,596	-1,614,359
9,014,900,000	PARTS & ACCESSORIES FOR DIRECTION FINDING COMPASSE	3,472,416	2,689,193	2,172,367	1,405,806				
9,014,902,080	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	-2,160	-15,000						
9,014,904,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	-3,425	-188,887	-56,986	-266,660				
9,014,906,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	-588,019	-1,986,110	-1,348,026	-3,460,727				
9,015,100,000	RANGEFINDERS	1,384,710	100,750	14,498	1,679,423	875,548	1,329,310	1,400,559	541,634
9,015,104,000	ELECTRICAL RANGEFINDERS	10,898,676	-17,000,000	-7,442,998	-15,266,791	-27,909,838	-50,157,835	-56,785,088	-57,721,967
9,015,108,000	RANGEFINDERS, EXCEPT ELECTRICAL	-3,124,858	-517,103	-505,135	-570,450	-1,277,427	-579,850	-1,091,502	-691,078
9,015,204,000	ELECTRICAL THEODOLITES AND TACHYMETERS	-12,210	-5,250	-379,023	-1,512,407	-2,887,313	-5,538,993	-7,007,590	-5,775,927
9,015,304,000	ELECTRICAL SURVEYING LEVELS	-9,096,305	-17,000,000	-34,000,000	-18,931,053	-8,428,149	-8,944,549	-8,037,819	-8,753,704
9,015,400,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS & APPLNCES					393,658	135,307	503,839	657,647
9,015,404,000	ELECTRICAL PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS			-10,000	-52,592	-529,012	-781,605	-1,047,917	-820,815
9,015,408,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS AND APPLIA	-110,599	-419,723	-354,097	-105,463	-31,830	-517,423	-10,105	-118,071
9,015,802,000	OPTICAL INSTRUMENTS AND APPLIANCES FOR SURVEYING	1,191,612	-579,011	-586,989	-1,406,186	-1,149,610	-1,329,251	-1,737,723	-2,129,485
9,015,806,000	SEISMOGRAPHS				-9,614	-16,074	-12,150	-116,695	-545,454
9,015,808,040	GEOPHYSICAL INSTRUMENTS AND APPLIANCES, NESOI	32,659,872	22,063,180	47,351,047	41,363,673	27,928,484	49,163,095	41,629,883	52,276,650
9,015,808,080	OTHER SURVEYING INSTRUMENTS AND APPLIANCES, EXCLUD	-668,736	1,080,917	-4,878,179	-2,233,609	5,600,599	2,538,546	15,199,330	9,798,700
9,015,900,000	PARTS AND ACCESSORIES FOR SURVEYING	10,844,342	7,549,038	20,101,741	18,328,599				
9,017,205,000	PATTERN GENERATION APPTS DESIGNED TO PRODUCE MASKS	7,488,424	3,334,955	903,706	4,967,527	9,050,249	6,477,233		
9,017,207,000	OTHER DRAWING, MARKING-OUT OR MATHEMATICAL CALUCLA			-116,082	-256,982	-95,725	-327,609	-1,390,412	-1,206,414
9,017,208,040	HAND IN PUT DEVICES WHICH TRANSMIT POSITIO	3,711,507	5,142,652	5,062,478	5,168,878	-16,873,889	9,091,886	9,091,886	2,820,851
9,018,110,000	ELECTROCARDIOGRAPHS	6,390,990	3,820,437	1,372,046	1,553,578	4,595,734	2,780,414	3,661,443	
9,018,113,000	ELECTROCARDIOGRAPHS	-5,062,238	-1,755,119	-2,335,290	-2,173,868	-2,047,120	-2,977,934	-2,523,793	1,797,919
9,018,116,000	PRINTED CIRCUIT ASSEMBLIES FOR ELECTROCARDIOGRAPHS	-51,156	-15,709	-244,993	-1,466,823	-768,818	-1,226,862	-1,208,941	-832,300
9,018,119,000	PARTS AND ACCESSORIES FOR ELECTROCARDIOGRAPHS,NESOI	-607,067	-1,323,932	-2,029,191	-2,029,770	-3,720,999	-2,131,096	-2,926,306	-2,532,076
9,018,120,000	ULTRASONIC SCANNING APPARATUS	28,456,952	23,770,613	41,563,745	49,713,162	52,964,009	51,778,406	88,311,610	90,905,925
9,018,130,000	OTHER THERAPEUTIC APPLIANCES, MAGNETIC RESONANCE	27,878,396	16,350,469	18,205,461	24,231,542	41,142,908	41,309,121	13,938,727	11,309,759
9,018,140,000	ELECTRO-DIAGNOSTIC APPARATUS, SCINTIGRAPHIC APPARA	1,916,711	2,308,802	2,364,426	4,203,397	6,512,516	2,881,937	4,310,217	5,725,053
9,018,194,000	ELECTRO-DIAGNOSTIC APPARATUS FOR FUNCTIONAL EXPLOR	5,058,291	7,324,753	18,437,145	18,117,056	15,070,158	13,755,805	11,530,562	13,626,352
9,018,195,500	PATIENT MONITORING SYSTEMS	18,150,448	14,682,420	20,870,529	16,771,439	16,521,623	13,643,508	16,036,858	25,246,383
9,018,197,500	PRINTED CIRCUIT ASSEMBLIES FOR PARAMETER ACQUISITI	134,120	480,933	437,021	2,955,790	1,505,849	3,171,031	6,660,119	7,371,713
9,018,199,535	ELECTROENCEPHALOGRAPHYS (EFG) AND ELECTROMYOGRAPHS	884,976	1,070,303	1,338,356	1,157,489	3,315,867	4,298,187	2,634,362	1,963,678
9,018,199,550	OTHER ELECTRO-DIAGNOSTIC APPARATUS, NESOI	29,342	-568,464	4,826,345	12,215,701	14,380,383	12,088,981	17,064,701	10,116,493
9,018,199,660	PART AND ACCESSORIES FOR ELECTRO-DIAGNOSTIC APPARA	-3,653,078	-6,938,391	-4,106,697	-11,856,091	-15,156,001	-30,836,651	-31,614,274	-51,539,633
9,018,500,000	OTHER OPHTHALMIC INSTRUMENTS AND APPLIANCES AND PA	5,147,795	7,289,140	11,699,281	17,587,057	14,131,598	5,463,117	6,034,905	11,380,018
9,018,901,500	OPTICAL INSTRUMENTS AND APPLIANCES AND PARTS AND A	3,042,768	742,399	832,601	2,517,266	4,696,712	1,211,830	1,988,444	3,841,124
9,018,903,000	ANESTHETIC INSTRUMENTS AND APPLIANCES AND PARTS AN	5,012,982	4,226,338	2,948,132	5,249,689	6,333,021	5,142,827	4,463,515	2,879,233
9,018,906,000	ELECTRO-SURGICAL INSTRUMENTS AND APPLIANCES AND PA	10,877,788	7,225,535	6,388,452	4,015,736	6,223,819	9,879,419	13,202,125	23,109,870
9,018,906,400	DEFIBRILLATORS		-57,541	-149,714	-180,169	-517,837	-66,406		-116,199
9,018,906,800	PRINTED CIRCUIT ASSEMBLIES FOR DEFIBRILLATORS OF S	-254,005	-7,368	-43,639	-50,210	-286,400	-143,097	-227,672	-11,635
9,018,907,000	ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS	10,154	113,629	24,013	16,600	84,948	77,729	330,801	616,643
9,018,907,060	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE	1,324,651	1,151,944	2,783,458	2,074,087	2,835,393	2,963,890	4,521,472	5,784,220
9,018,907,080	ELECTRO-MEDICAL INSTRUMENTS AND APPLIANCES AND PAR	3,118,175	7,114,588	5,831,728	6,559,103	18,460,876	21,186,150	43,208,709	89,506,546
9,018,907,540	ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS		-13,129	-27,060	-2,130		-26,810		-4,000
9,018,907,560	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE	-177,969	-38,049	-220,311	-1,789,623	-6,676,929	-6,348,278	-3,042,434	-1,738,500
9,018,908,000	OTHER INSTRUMENTS AND APPLIANCES USED IN MEDICAL	-6,265,100	-10,000,000	-10,000,000	-27,062,969	-32,790,831	-49,716,967	-77,909,979	-114,275,339
9,019,102,000	MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;	1,175,522	879,347	898,929	1,014,492				
9,019,102,010	MECHANO-THERAPY APPLIANCES	-7,267,918	-6,404,373	-5,980,577	-5,995,620				
9,019,102,020	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY	-57,143,717	-52,000,000	-46,000,000	-47,736,740				
9,019,102,030	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY	-26,920,956	-29,000,000	-31,000,000	-30,160,194				
9,019,102,035	MASSAGE APPARATUS, POWERED BY AC ADAPTER	-59,055,954	-89,000,000	-49,000,000	-59,218,943				
9,019,102,045	MASSAGE APPARATUS,ELECTRICALLY OPERATED (EXCEPT BA	-58,999,221	-61,000,000	-110,000,000	-119,000,000				
9,019,102,050	MASSAGE APPARATUS NOT ELECTRICALLY OPERATED	-5,610,279	-7,337,539	-8,698,452	-10,635,681				
9,019,102,090	MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;	-5,170,865	-4,857,321	-5,935,675	-11,867,170				
9,019,106,000	PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS	-10,044,543	-182,728	-198,154	-337,480				
9,019,200,000	OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, AR	-10,942,543	-18,000,000	-22,000,000	-34,050,062	-60,711,232	-85,014,873	-119,353,390	-160,654,222
9,021,110,000	ORTHOPEDIC OR FRACTURE APPLIANCES & PTS, NESOI		-34,000,000	-41,000,000	-63,146,444	-76,586,664	-98,842,756	-112,476,792	-127,651,516
9,021,110,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	1,636,181							
9,021,198,500	OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS	-23,064,181							
9,021,300,000	OTHER ARTIFICIAL PARTS OF THE BODY AND PARTS AND AC	-400,351							
9,021,310,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES		2,000,585	1,582,965	3,467,996	9,224,955	8,704,517	9,757,159	14,490,728
9,021,390,000	OTH ARTIFICIAL PTS OF THE BODY & PTS & ACCESSORIES		-2,980,285	-1,324,092	3,184,109	4,392,134	14,592,502	20,753,245	19,154,422
9,021,400,000	HEARING AIDS, EXCLUDING PARTS AND ACCESSORIES	-783,826	-2,731,700	-4,059,186	137,487	-298,258	-47,743,624	-109,360,835	-133,378,337
9,021,500,000	PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN	-5,421	6,743	-45,385	321,560	638,351	410,304	1,476,582	2,306,251
9,021,904,080	PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI	-17,078	-11,913	-11,115	-120,147	-34,369	-39,005	-230,670	-16,655
9,022,120,000	APPRUTS BASED USE OF X-RAYS FOR MEDICAL, SURGICAL,	19,832,102	15,381,752	9,809,516	11,501,977	37,235,945	7,801,739	-19,309,224	-55,189,641
9,022,130,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	43,288	142,911	212,262	359,700	597,878	444,401	42,106	171,776
9,022,140,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	55,339,261	39,221,004	86,533,841	53,621,607	46,951,902	45,426,373	60,754,563	36,539,750
9,022,190,000	APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE	11,956,572	1,588,788	7,083,589	11,350,218	8,943,879	25,183,681	27,816,727	26,549,090
9,022,210,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	2,137,057	2,537,122	3,400,413	1,721,952	5,316,954	2,808,253	1,938,470	1,141,553
9,022,298,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	1,130,473	1,328,116	1,438,207	2,598,144	3,613,980	5,933,261	3,118,596	7,916,559
9,022,300,000	X-RAY TUBES	13,806,103	14,308,688	16,748,456	19,319,675	17,396,040	16,196,186	18,461,503	22,474,544
9,022,900,500	RADIATION GENERATOR UNITS	-121,737	-633,713	-392,569	-343,230	-602,203	-285,379	-1,614,074	-113,673
9,022,902,000	HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC	1,415,557	891,344	1,285,599	1,100,919	1,424,736	1,670,379	1,942,469	2,599,848
9,022,904,000	PARTS AND ACCESSORIES OF X-RAY TUBES	163,712	809,164	1,518,704	1,311,398	2,314,125	1,644,133	1,723,985	976,511
9,022,907,000	PARTS AND ACCESSORIES OF SMOKE DETECTORS, IONIZATI	-2,328,074	-2,260,632	-2,100,593	-786,164	-418,350	-77,138	-3,321,267	-948,845
9,022,909,500	PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS,	-136,024	-109,820	-159,580	-513,980	-1,560,500	-1,618,553	-4,761,038	-2,661,825
9,024,100,000	MACHINES AND APPLIANCES FOR TESTING METALS	4,175,476	11,341,176	9,997,211	12,728,302	10,818,562	21,941,257	21,900,490	27,392,366
9,024,800,000	OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD	24,124,455	24,941,652	37,219,746	42,591,240	52,531,448	43,150,160</		

© CW McMillion/MBG Information Services

US Trade Balances of Advanced Technology Products Trade With China

Code	ATP Commodity Description	Balance 2001	Balance 2002	Balance 2003	Balance 2004	Balance 2005	Balance 2006	Balance 2007	Balance 2008
9.031.410.040	OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE		-10,438	-14,417	-383,365	-419,103	-13,737	-49,694	-104,228
9.031.410.060	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	-21,497	-24,786	-184,745	-20,148	-117,875	-282,642	-479,681	-358,189
9.031.494.000	COORDINATE-MEASURING MACHINES	-4,800	5,024,440	8,556,434	11,514,113	14,908,980	17,489,173	19,865,960	21,454,146
9.031.804.000	ELECTRON BEAM MICROSCOPES FITTED WITH EQUIPMENT SP	-105,604	-38,396	-101,127	-17,227		-616,900	-21,103	-104,268
9.031.808.060	EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O	4,103,621	3,961,004	7,772,396	10,251,483	13,861,568	11,288,827	14,084,416	13,236,680
9.031.900.000	PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA	11,841,611	16,479,613	19,491,653	33,997,118	38,124,726	44,010,867	38,563,368	50,378,304
9.032.100.000	THERMOSTATS	905,505	2,140,878	4,456,426	5,408,525	5,154,223	3,144,448	5,065,479	4,365,459
9.032.100.030	THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT		-30,000,000	-43,000,000	-67,255,379	-94,310,255	-98,833,747	-80,737,453	-96,091,613
9.032.100.060	THERMOSTATS, AIR COND, REFG/HEAT SYS EXC WALL MOUNT		-6,732,072	-11,000,000	-14,416,809	-15,847,604	-19,141,983	-21,496,813	-28,185,459
9.032.100.090	THERMOSTATS, NESOI		-17,000,000	-20,000,000	-23,356,098	-32,515,426	-40,165,194	-39,835,882	-34,221,347
9.032.810.040	HYDRAULIC OR PNEUMATIC INDUSTRIAL PROCESS CONTROL	901,493	2,705,515	715,234	3,647,238	3,868,859	4,689,935	5,724,611	7,151,586
9.032.810.080	HYDRAULIC AND PNEUMATIC INSTRUMENTS AND APPARATUS	1,128,207	1,515,314	797,363	763,336	873,195	3,502,075	2,025,384	5,917,270
9.032.893.000	AUTOMATIC VOLTAGE AND VOLTAGE-CURRENT REGULATORS	615,705	8,346,381	2,541,343	3,288,352	2,245,195	5,483,743	2,211,027	3,584,651
9.032.896.020	CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER	2,597,414	5,109,760	6,163,238	5,734,321	7,259,627	12,293,485	14,206,775	16,533,177
9.032.896.030	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMP	10,965,956	7,560,332	10,381,311	11,612,475	6,866,415	7,962,657	17,195,954	21,912,030
9.032.896.040	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR TEMP	-3,005,545	-15,000,000	-12,000,000	-2,245,795	1,593,703	-9,087,770	-7,763,588	-4,884,634
9.032.896.050	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES	466,996	837,569	927,346	2,834,427	5,156,649	7,930,677	8,456,266	6,746,585
9.032.896.060	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR FLOW	-1,710,548	442,204	-3,475,577	-14,906,159	-5,464,468	1,790,186	5,561,726	2,891,645
9.032.896.070	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR HUMI	-398,855	-1,281,212	-578,542	-1,813,575	-1,819,557	-179,331	-805,034	-1,657,072
9.032.896.075	OTHER PROCESS CONTROL INSTRUMENTS AND APPARATUS, N	5,963,891	11,128,366	15,584,500	4,142,560	-781,652	-1,750,641	5,389,141	10,881,362
9.301.200.000	ROCKET LAUNCHERS & SIMILAR PROJECTORS (MIL)			8,296					
9.301.909.030	MACHINE GUNS, MILITARY							6,000	
9.304.002.000	RIFLES WHICH EJECT MISSILES BY RELEASE OF COMPRESSE	-2,338,181	-2,355,568	-1,684,927	-3,791,067	-8,549,083	-22,036,068	-29,685,266	-46,253,209
9.304.006.000	OTHER ARMS, EXCLUDING THOSE OF HEADING 9307, NESOI	-476,369	-372,816	-758,443	-850,898	-1,175,701	-1,793,152	-3,283,476	-4,088,550
9.305.108.000	PARTS AND ACCESSORIES OF REVOLVERS AND PISTOLS, NE	-22,769	-179,050	-716,918	-568,292	-970,430	-1,761,327	-582,521	-350,182
9.305.905.000	PARTS AND ACCESSORIES FOR ARTICLE OF SUBHEADING 93	-362,777							
9.305.995.000	PARTS FOR SUBHEADING 9304.00.20 OR 9304.00.40		-2,082,184	-4,616,903	-4,333,326	-4,036,280	-11,538,345	-9,467,352	-8,242,545
9.306.308.000	PARTS OF CARTRIDGES, NESOI	55,130	20,952	20,107	-134,387	20,739	-372,699	-374,316	-88,480
9.306.900.020	GUIDED MISSILES					36,600			
9.306.900.040	BOMBS, GRENADES, TORPEDOS, & SIML MUNITIONS OF WAR		-16,314	-38,088	-67,668	-67,643	-333,248	-1,223,296	-405,346
9.306.900.060	PARTS FOR GUIDED MISSILES	22,880			4,575,250				-7,565
9.306.900.080	PARTS FOR BOMBS, GRENADES, & SIML MUNITIONS OF WAR				-33,213	-15,155	-23,119	4,514	48,600
9.808.008.000	ARTICLES FOR NASA AND ARTICLS IMPRTRD FOR INTNL PRG							-18,221	-82,700
9.810.006.000	INST & APPRTS NT MFRG IN USA FOR NONPROFIT INST		-35,085	-29,972	-40,000	-21,840	-122,763	-24,115	

US Department of Commerce, Bureau of the Census and MBG Information Services

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
	TOTALS.....	\$7,243,384,280	\$8,288,062,990	\$8,280,097,412	\$9,433,134,900	\$12,289,337,013	\$17,627,164,169	\$20,342,187,584	\$18,732,638,594
2,844,200,020	URANIUM FLUORIDE ENRICHED IN U235								
2,844,302,060	URANIUM COMPOUNDS DEPLETED IN U235, NESOI	52,378	72,700	35,160	11,120	162,316	193,785	90,478	167,100
2,844,305,000	MIXTURES CONTAINING URANIUM DEPLETED IN U235, NESOI				25,999	42,796	527,369	34,882	39,856
2,844,305,010	URANIUM METAL DEPLETED IN U235								
2,844,400,010	ELEMENTS, ISOTOPES AND COMPOUNDS WITH COBALT-60 RA	53,712	2,766	25,130	709,666	899,868	198,073	100,723	524,352
2,844,400,020	RADIOACTIVE ELEMENTS, ISOTOPES AND COMPOUNDS OTHER	1,026,611	3,524,522	2,494,778	1,607,964	1,403,604	1,432,590	2,617,293	2,584,787
2,844,400,050	ALLOYS, DISPERSIONS, CERAMIC PRODUCTS & MIXTURES C	401,549	301,354	150,148	169,598	393,775	317,063	921,072	743,463
2,845,900,000	ISOTOPES, EXCEPT THOSE OF HDG 2844; COMPOUNDS, INO	329,965	115,929	312,931	716,773	537,715	1,248,880	1,233,113	1,242,983
2,914,692,000	QUINONE DRUGS	29,700	29,386	27,427	72,899	3,750	418,238	36,097	113,678
2,918,903,000	AROMATIC DRUGS								
2,918,993,000	AROMATIC DRUGS								
2,921,460,000	AMFETAMINE, BENZFETAMINE(INN) ETC & SALTS THEREOF						2,961		2,850
2,921,494,300	AROMATIC MONOAMINE DRUGS, NESOI								
2,922,190,900	AROMATIC AMINO-ALCOHOLS ETC USED AS DRUGS, NESOI								
2,922,191,800	OTHER AROMATIC AMINO-ALCOHOLS, THEIR ETHERS AND ES								
2,922,292,700	AMINO-NAPHTHOLS AND AMINO-PHENOLS, ETC USED AS DRUG								
2,922,492,600	AROMATIC AMINO-ACIDS ETC FOR USE AS DRUGS								
2,922,492,700	AROMATIC AMINO-ACIDS AND THEIR ESTERS, OTHER THAN T								
2,922,501,400	OTHER AROMATIC CARDIOVASCULAR DRUGS								
2,922,502,500	OTHER AROMATIC AMINO-ALCOHOL-PHENOL DRUGS								
2,924,296,250	OTHER AROMATIC CYCLIC AMIDES AND DERIVATIVES FOR U								
2,928,003,000	NON-AROM ORGAN DERIV OF HYDRAZINE ETC USED AS DRUG						85,780		
2,930,909,030	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED PR								
2,930,909,035	OTHER NON-AROMATIC ORGANO-SULFUR COMPOUNDS USED AS								
2,930,909,130	OTHER NON-AROM ORG-SULF CMPDS USED PRIN FOR RUB PR								
2,930,909,135	OTHER NON-AROM ORG-SULF CMPDS USED AS DRUGS								
2,931,002,200	AROMATIC ORGANO-INORGANIC COMPOUNDS USED AS DRUGS			6,500			51,925	283,062	459,809
2,932,191,000	AROMATIC COMPOUNDS CONTAINING AN UNFUSED FURAN RIN								
2,932,292,000	AROMATIC LACTONES USED AS DRUGS								
2,932,910,000	ISOSAFROLE		6,598			4,650			
2,932,920,000	1-(1,3-BENZODIOL-5-YL)PROPAN-2-ONE	38,611	1,970,670		1,672,907				
2,932,950,000	TETRAHYDROCANNABINOLS (ALL ISOMERS)						462,000	440,000	
2,932,995,500	BIS-O-(4-METHYL PHENYL)-METHYLENE-D-GLUCITOL (DI				12,375				8,951
2,932,996,550	AROMATIC PESTICIDES WITH OXYGEN HETERO-ATOM(S) ON	4,115							
2,932,996,560	AROMATIC PESTICIDES WITH OXY HETERO-ATOM(S) NESOI		5,214		35,886	458,405	990,930	509,593	212,935
2,932,997,000	OTHER AROM HETERO ETC EXCL PROD IN U.S. NT 3 SEC 6								
2,933,193,500	AROMATIC OR MOD AROM DRUGS CONT AN UNFUSED PYR ETC								
2,933,292,000	AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINING AN								
2,933,294,500	DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMATIC) CO								
2,933,330,000	ALFENTANIL, AMILERIDINE, BEZITRAMIDE(INN), ETC.								
2,933,393,100	ANTIDEPRESSANTS, TRANQUILIZERS AND OTHER PSCHO ETC								
2,933,394,100	DRUGS CONTAINING AN UNFUSED PYRIDINE RING (WHETHER								
2,933,402,000	5-CHLORO-7-IODO-8-QUINOLINOL (IODOCHLORHYDROXYQUIN								
2,933,402,600	OTHER DRUGS CONTAINING A QUINOLINE OR ISOQUINOLINE								
2,933,410,000	LEVORPHANOL (INN) AND ITS SALTS								
2,933,490,800	4,7-DICHLOROQUINOLINE								
2,933,492,000	IODOCHLORHYDROXYQUIN; DECOQUINATE ETC								
2,933,492,600	DRUGS CONT A QUINOLINE OR ISOQUINOLINE ETC, NESOI								
2,933,550,000	LOPRAZOLAM (INN), MECLOQUALONE (INN), ETC & SALTS						7,500		
2,933,592,100	ANTIHISTAMINES, INCLUDING ANTINAUSEANTS								
2,933,593,600	OTHER AROMATIC OR MODIFIED AROMATIC ANTI-INFECTIVE								
2,933,593,600	OTHER AROM OR MOD-AROM ANTI-INFECTIVE AGENTS								
2,933,595,300	OTHER AROMATIC OR MODIFIED AROMATIC DRUGS CONTAINI								
2,933,595,900	OTHER DRUGS (EXCLUDING AROMATIC OR MODIFIED AROMAT								
2,933,595,950	DRUGS CONTAINING A PYRIMIDINE RING (WHETHER OR NOT	5,767							
2,933,595,960	DRUGS CONT A PYRIMIDINE OR PIPERAZINE RING ETC		4,254	89,492	1,098,473	632,526	2,391,669	4,715,530	6,912,320
2,933,904,600	OTHER ANTI-INFECTIVE AGENTS								
2,933,905,300	OTHER CARDIOVASCULAR DRUGS								
2,933,905,590	OTHER ANALGESICS, ANTIPIRETTICS AND NON-HORMONAL AN								
2,933,906,500	ANTICONVULSANTS, HYPNOTICS & SEDATIVES W/HETEROCYC								
2,933,907,000	OTHER DRUGS PRIMARILY AFFECTING THE CENTRAL NERVOU								
2,933,910,000	ALPRAZOLAM, CAMAZEPAM, CHORDIAZEPOXIDE (INN), ETC.								
2,933,994,600	ANTI-INFECTIVE AGENTS, NESOI		184,381		97,812	14,695		3,001	10,137
2,933,995,300	CARDIOVASCULAR DRUGS, NESOI				176,945	1,078,612	52,314	47,298	
2,933,995,500	ANALGESICS, ANTIPIRETTICS AND NON-HORMONAL ETC				4,500	51,572	25,500		
2,933,995,590	ANALGESICS, ANTIPIRETTICS & NON-HORMONAL AGTS NESOI								
2,933,996,100	ANTIDEPRESSANTS, TRANQUILIZERS ETC, NESOI			6,720		23,981	10,643		
2,933,996,500	ANTICONVULSANTS, HYPNOTICS AND SEDATIVES		3,000						
2,933,997,000	DRUGS PRIM AFFECT THE CENT NERV SYSTEM, NESOI		234,305	32,640				24,696	
2,934,302,700	DRUGS W/ A PHENO RING SYS (W/T HYDRO), NESOI			386,800	360,058	654,218	1,327,650	1,695,820	1,755,532
2,934,903,000	OTHER HETEROCYCLIC COMPOUNDS USED AS DRUGS								
2,934,910,000	AMINOREX, BROTILOLAM, CLOZIAZEPAM (INN) ETC.								
2,934,993,000	HETEROCYCLIC CMDPS, USED AS DRUGS, NESOI								
2,937,100,000	PITUITARY (ANTERIOR) OR SIMILAR HORMONES								
2,937,110,000	SOMATOTROPIN, ITS DERIVS & STRUCT ANALOGUES								
2,937,190,000	POLYPEPTIDE, PROTEIN & GLYCOPROTEIN HORMONES, NESOI		14,230	23,168	14,684	176,781	192,032	65,925	123,155
2,937,230,000	ESTROGENS AND PROGESTINS		25,838	37,975	261,642	116,915		51,500	63,750
2,937,231,010	ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN								
2,937,231,050	PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN, NESOI								
2,937,235,010	ESTROGENS NOT DERIV FROM ANIMAL OR VEGETABLE MATER								
2,937,235,020	PROGESTERONE NOT DERIV FR ANIMAL OR VEGETBLE MATER								
2,937,235,050	PROGESTINS NOT OF ANIMAL OR VGTABLE ORIGIN, NESOI								
2,937,399,000	CATECHOLAMINE HORMONES, DERIVS & ANALOGUES NESOI								
2,937,409,000	HORMONE AMINO-ACID DERIVATIVES, NESOI								
2,937,500,000	PROSTAGLANDINS, THROMBOXANES & LEUKOTRIENES								
2,937,900,000	HORMONES, PROSTAGLANDINS, ETC NESOI								
2,937,920,000	ESTROGENS AND PROGESTINS								
2,937,921,010	ESTROGENS OF ANIMAL OR VEGETABLE ORIGIN								
2,937,921,050	OTHER PROGESTINS OF ANIMAL OR VEGETABLE ORIGIN								
2,937,925,010	ESTROGENS NOT DERIVED FROM ANIMAL OR VEGETABLE MAT								
2,937,925,020	PROGESTERONE NOT DERIVED FROM ANIMAL OR VEGETABLE								
2,937,925,050	OTHER PROGESTINS NOT DERIVED FROM ANIMAL OR VEGETA								
2,937,999,550	OTHER HORMONES AND THEIR DERIVATIVES, OTHER STEROI								
2,940,002,000	D-ARABINOSE	2,784	2,529	22,419		4,445		11,683	10,622
2,940,006,000	OTHER SUGARS, NESOI EXCL D-ARABINOSE	78,677	129,036	200,486	408,813	706,073	591,448	952,757	1,008,595
3,002,100,030	HUMAN IMMUNE BLOOD SERA								
3,002,100,040	FETAL BOVINE SERUM (FBS)								
3,002,100,060	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I	3,380,810							
3,002,100,090	OTHER BLOOD FRACTIONS NOT ELSEWHERE SPECIFIED OR I								
3,002,100,130	HUMAN IMMUNE BLOOD SERA		390,024	237,318		182,064		194,580	
3,002,100,140	FETAL BOVINE SERUM (FBS)		344,814	560,379	9,959	13,166	47,040	2,574	211,600
3,002,100,190	BLOOD FRACTIONS NESOI		3,761,257	7,056,334	4,321,144	16,565,617	17,708,737	33,692,741	47,117,199
3,002,200,000	VACCINES FOR HUMAN MEDICINE	66,269	25,000	667,508	178,553	375,600	997,302	299,922	50,726
3,002,300,000	VACCINES FOR VETERINARY MEDICINE	4,954,244	6,267,434	5,717,431	5,351,483	9,965,735	12,394,649	25,250,861	37,167,034
3,002,905,050	OTHER TOXINS, CULTURES OF MICRO-ORGANISMS (EXCLUDIN	159,796							
3,002,905,120	ANTIALLERGENIC PREPARATIONS, NESOI		80,098	78,597					
3,002,905,150	HUMAN BLOOD/ANIMAL BLOOD PREPARED FOR THERAP, NESOI		407,573	685,661	1,043,932	953,893	1,507,285	2,137,818	5,248,254
3,004,909,090	MEDICAMENTS NOT ELSEWHERE SPECIFIED OR INCLUDED								
3,004,909,190	MEDICAMENTS IN MEAS DOSES FOR RETAIL SALE, NESOI								
3,818,000,000	CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONICS, IN	8,862,114	10,741,089	26,089,378	38,146,081	24,458,123	89,404,701	179,629,608	201,637,284

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
3,818,000,010	GALLIUM ARSENIDE WAFERS, DOPED								
3,818,000,090	OTHER CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONI								
8,401,100,000	NUCLEAR REACTORS	31,630	255,600	255,600	200,000		12,526		20,136
8,401,200,000	ISOTOPIIC SEPARATION MACHINERY AND APARATUS AND PAR	1,395,359	1,037,369	1,621,993	3,510,843	1,105,666	57,384	188,240	145,373
8,401,300,000	FUEL ELEMENTS (CARTRIDGES), NON-IRRADIATED FOR NUC	558,400		210,905	98,742	487,495	31,673	489,804	429,056
8,401,400,000	PARTS OF NUCLEAR REACTORS	1,844,695	67,688	149,643				437,500	995,830
8,411,114,000	TURBOJET AIRCRAFT ENGINES, THRUST NOT EXCEED 25 KN								
8,411,114,010	TURBOJET AIRCRAFT TURBINES (ENGINES) FOR USE IN CI	57,793,850	27,357,481	8,000,450	267,119	6,716	5,162,591	6,764,285	815,179
8,411,114,050	TURBOJET AIRCRAFT ENGINES, THRUST LE 25 KN			5,604					
8,411,124,010	TURBOJET AIRCRAFT ENGINES, THRUST EXCEEDING 25 KN								
8,411,124,010	TURBOJET TBN FOR CIVIL AIRCRAFT, THRUST OV 25 KN	52,109,172	124,000,000	172,000,000	96,729,584	85,361,574	106,726,320	111,454,888	90,957,805
8,411,214,010	TURBOPROPELLER A/C TBN, CIVIL, POWER NOT OV 1100KW						3,391,948		2,123,857
8,411,224,000	TURBOPROPELLER AIRCRAFT ENGINES, POWER EXC 1100 KW								
8,411,224,010	TURBOPROPELLER A/C TBN, POWER OVER 1100 KW				112,500		250,580		3,187,390
8,411,814,000	GAS TURBINE A/C ENGINES, NESOI, POWER NOT EXC 5000KW								
8,411,814,010	GAS TURBINE A/C TBN FOR CIVIL A/C, 5000 KW AND UND	2,003,000	150,000	975,325	180,000	959,739	2,072,356	5,034,176	6,399,061
8,411,824,010	GAS TURBINE A/C TURBINE FOR CIVIL A/C, OVER 5000 K			14,800,000	7,000,000	8,080,960	2,260,000	371,801	12,645,408
8,411,824,050	AIRCRAFT TURBINES (ENGINES), EXCEPT FOR USE IN CIV								
8,411,917,010	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENG	32,677,607	48,328,512	49,075,130	50,047,240	44,645,887	69,668,595	118,163,444	226,783,100
8,411,917,050	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENGI	1,528,049	595,677	589,693	199,547	883,552	693,491	1,039,121	1,558,739
8,411,919,080	PARTS, NESOI, OF TURBOJET OR TURBOPROPELLER AIRCRA								
8,411,997,010	PARTS OF GAS TURBINE AIRCRAFT ENGINES FOR USE IN C	15,034,306	2,882,493	2,411,974	2,878,844	3,709,877	19,333,145	3,692,356	10,358,159
8,411,997,050	PARTS OF GAS TURBINE AIRCRAFT ENGINES, OTHER THAN	379,247	3,606,164	10,064,488	3,576,662	6,339,785	2,472,094	2,373,188	5,480,079
8,411,999,090	PARTS, NESOI, OF AIRCRAFT GAS TURBINES, EXCEPT TURBO								
8,424,893,000	SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	3,418,121	5,340,068	8,386,821	5,827,591	5,808,872	4,745,852		
8,424,895,000	SPRAYING APPLIANCES DEVELOPING SEMICONDUCTOR WAFER								
8,427,108,060	AUTOMATED GUIDED VEHICLES (AGV) FITTED WITH LIFTIN	176,000	1,792,012	156,407	260,904	10,699	1,296,771	3,217,580	1,758,420
8,428,900,010	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O								
8,428,900,015	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	1,599,715	6,078,346	1,886,839	2,749,471	7,464,154	5,119,375		
8,428,900,120	INDUSTRIAL ROBOT, LIFTING, HANDLG, LOAD/UNLOAD, NESOI							7,426,944	3,700,339
8,443,310,000	MACH PRFM GT=2 FUNCT PRINT/CPY/FAX; USE W/ ATP/NTW							1,017,128	1,904,611
8,443,321,010	PRINTERS, NESOI, LSR CPBLE OF PRODCNG GT 20PGS/MIN							1,254,439	2,108,084
8,443,321,020	LASER PRINTERS, PRDCNG LT 20 PGS/MIN							9,605,258	1,994,381
8,443,325,000	FAX/COPY MACH CAPABLE OF CONNECTING TO ADP/NETWORK							1,746,551	1,094,000
8,443,992,000	PRNTR PARTS FOR SUBHEAD 8443.32.10 US NOTE 2 CH 84								
8,443,992,010	INK CART FOR PRINT OF SUBHD 8443.32.10 USN 2 CH 84								
8,443,992,050	PRINT PRT FOR SUBHEAD 8443.32.10 USN 2 CH 84 NESOI								
8,443,992,210	INK CARTRIDGES FOR GOODS OF 8443.31 AND PRINTERS								8,895,679
8,443,992,250	PARTS/ACCESS FOR GOODS OF 8443.31 & PRINTERS NESOI								16,230,276
8,443,992,500	PARTS AND ACCESSORIES OF PRINTER, NESOI								
8,443,992,510	INK CARTRIDGES FOR PRINTERS, NESOI								
8,443,992,550	PARTS AND ACCESSORIES OF PRINTERS, NESOI								
8,443,993,000	FACSIMILE MACHINE PARTS SPECIFIED IN U.S. NOTE 7							31,956,853	
8,443,993,500	FACSIMILE MACHINE PARTS, NESOI								9,920,314
8,443,995,000	PARTS & ACCESSORIES FOR PRINTING MACHINERY, NESOI								
8,443,995,600	PARTS AND ACCESSORIES OF OTHER PRINTERS ETC, NESOI								
8,456,100,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	12,248,076	22,452,149	8,475,739	19,904,100	13,869,348	20,162,476		
8,456,100,002	LASER OR OTHER LIGHT OR PHOTON BEAM MACHINE TOOLS							27,579,437	29,177,686
8,456,101,010	MACHINE TOOLS FOR WORKING METAL, BY LASER OR OTHER								
8,456,101,020	MAC TOOL, MTL WRK, LASER, LIGHT OR PHOTON BEM, EXC, N/C								
8,456,106,000	MACH TOOLS USE IN SEMICONDUCTOR WAFER PRODUCTIONS								
8,456,108,000	MACHINE TOOLS OPERATED BY LASER PROCESSES, NESOI								
8,456,200,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL	30,345	2,712,949	2,052,003	1,503,811	277,972	135,996	615,663	23,000
8,456,201,050	MACHINE TOOLS FOR WORKING METAL, BY ULTRASONIC PRO								
8,456,205,000	MACH TOOLS, EXC MTL WRK, ULTRASONIC PROCESSES								
8,456,300,000	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MATL	1,390,217	2,078,617	1,106,295	1,343,153	1,939,826	894,263	2,862,982	3,275,478
8,456,301,020	MAC TOOL, MTL WRK, ELECTRO-DISCHRG, TRAVEL WIRE TYPE								
8,456,301,050	MC TL, MTL WRK, ELECTRO-DISCHRG PROCES, EX TVL-WIRE, N/C								
8,456,301,070	MC TL, MTL WRK, ELECTRO-DISCHRG PROC, EX TVL-WIRE, EX N/C								
8,456,305,000	MACHINE TOOLS FOR WORKING MATERIAL OTHER THAN META								
8,456,903,000	MC TL, MTL WRK, ELTROBEAM, ION BEAM, PLASMA ARC EX N/C							4,524,886	5,467,387
8,456,907,000	MACH TL, ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI							4,738,882	10,402,502
8,456,910,000	DRY ETCHING (INCLUDING PLASMA) MACHINES DESIGNED T	31,179,637	81,830,194	37,389,295	199,000,000	77,479,306	205,590,032		
8,456,991,000	FOCUSED ION BEAM MILLING MACHINES TO PRODUCE OR RE	356,000	420,190	716,000	265,186	652,335	1,809,340		
8,456,993,005	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	790,258	769,798	62,499	133,880	1,191,410	557,074		
8,456,993,040	MACHINE TOOLS FOR WORKING METAL, BY ELECTRO BEAM O	546,083	2,222,224	716,168	1,064,436	3,897,713	6,732,479		
8,456,993,060	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO	31,324	40,598	38,835	44,781	56,760	58,611		
8,456,993,080	MACHINE TOOLS FOR WORKING METAL, BY ELECTRON BEAM,	27,473	95,000			60,590	1,899,513		
8,456,995,000	MACHINE TOOLS FOR WORKING ANY MATERIAL OTHER THAN	910,611	1,909,601	2,342,525	5,088,347	5,534,211	4,909,119		
8,456,997,000	MACH TOOLS FOR STRIPPING/CLEAN SEMICONDUCTOR WAFER								
8,456,999,000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI								
8,457,100,015	MAC CENTR, AUTO TOOL CHNG, VERT-SPIN, Y-AXIS NO 660MM	3,870,612	2,119,540	6,924,575	8,112,087	12,109,230	2,895,551	2,815,731	
8,457,100,025	MAC CENTR, AUTO TOOL CHNG, VERT-SPIN, Y-AXIS OV 660MM	546,490	644,350	333,000	1,015,718	2,473,752	1,970,538	139,900	30,817,790
8,457,100,035	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL		1,290,685	769,478					
8,457,100,036	HORIZONTAL MACHING CENTERS WITH ATC				3,714,223	2,071,100	1,720,740		2,918,814
8,457,100,039	MACHING CENTERS, AUTO TOOL CHNG, NESOI				3,294,718	3,427,575	4,386,991	1,861,833	965,760
8,457,100,055	MACHING CENTERS, AUTO TOOL CHNG, HORIZONTAL-SPINDLE								
8,457,100,060	HORIZONTAL SPINDAL MACHINES (685MM-1016MM)								
8,457,100,065	HORIZONTAL SPINDAL MACHINES GT 1016 MM								
8,457,100,070	MACHING CENTERS, AUTO TOOL CHNG, NESOI								
8,457,200,010	UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C	15,760,500	26,703,414	1,327,843	688,332		1,681,800	884,873	1,775,410
8,457,300,010	MULTISTATION TRANSFER MACHINES, N/C								22,829,186
8,458,110,010	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN			369,042	354,045	409,408	796,508	294,936	1,452,529
8,458,110,030	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	15,517,437	2,249,219	169,466	700,494	654,926	12,743,788	7,263,387	5,951,683
8,458,110,050	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	473,073	1,173,992	488,235		1,540,663	3,088,484	2,018,992	
8,458,110,090	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	116,050	320,000		153,178	262,525	4,557,890	2,542,873	3,966,995
8,458,911,060	VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL								
8,458,911,080	VERT TURT LATH, MTL REMOV, N/C, EXC MULTI SPIN, NEW				173,708				
8,458,915,050	LATHES FOR REMOV MTL, N/C, MULT SPIN, NEW, NESOI	91,988							
8,458,915,070	LATHES FOR REMOV MTL, N/C, EXC MULTI SPIN, NEW, NESOI			97,000	3,631,983	999,000	1,139,000	6,228,770	9,532,316
8,459,100,000	WAY-TYPE UNIT HEAD MACHINES	420,550	861,990			161,342	240,000	94,255	
8,459,210,080	DRILLING MACH, METAL, N/C, NEW	1,783,033	2,283,940	1,170,583	3,170,871	1,719,810	1,300,000	2,666,929	4,758,798
8,459,310,010	BOR-MIL MAC, HORIZ SPIN, TABLE TYP, MTL REMOV, N/C, NEW			70,000			75,000	220,000	
8,459,310,040	BOR-MIL MAC, HORIZ SPIN, EX TBL TYP, MTL REMOV, N/C, NEW								
8,459,310,070	BOR-MIL MAC, EXC HORIZ SPIN, MTL REMOV, N/C, NEW, NESOI								
8,459,400,040	BORING MAC, VERT, MTL REMOV, N/C, OVER \$3025, NEW	2,261,676	1,419,800	56,610		2,652,141	6,031	86,786	1,352,833
8,459,400,070	BORING MACH, EX VERT, MTL REMOV, N/C, OVER \$3025, NEW								596,000
8,459,510,080	MILLING MACHINES, KNEE TYPE, METAL REMOV, N/C, NEW				105,709		25,738	277,485	
8,459,610,080	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW	3,974,270	1,120,000	5,656,605	4,600,003	8,055,001	3,821,829	3,154,426	1,854,711
8,459,700,020	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C		570,903	10,000			224,000	106,000	
8,459,704,000	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C								
8,460,110,080	FLAT SURFACE GRINDING MACHINES, METAL REMOVING, AC		91,500	241,894			89,520	294,340	223,358
8,460,210,080	GRINDING MACHINES EXCEPT FLAT SURFACE, METAL REMOV	2,052,312	538,436						

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,461,304,060	BROACHING MACH, METAL REMOV, N/C, NEW								
8,461,500,050	SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU	12,000	207,299	104,002		142,075	48,295	142,960	494,323
8,461,504,050	SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU								
8,461,900,040	MACHINE TOOLS WORKING BY REMOVING METAL, NESOI, NU	19,808							
8,461,903,040	PLANING MAC,METAL REMOV,NUM CTRL,OVR \$3025,NEW		68,309			10,000		1,540,000	1,018,000
8,461,903,080	MAC TOOLS, MTL REMOV,NUM CTRL,OVS\$3025,NEW,NESOI		1,088,192	142,110	350,700	418,308	822,452		949,880
8,462,210,000	BEND,FOLD,FLATTEN MACH, NUMERICALLY CONTROL							1,390,768	1,419,005
8,462,210,080	BENDING, FOLDING, STRAIGHTENING OR FLATTENING MACH	2,830,381	338,178	4,107,369	2,184,434	5,680,769	12,034,745		
8,462,214,085	NUMERIC CONTROL MACH FR BEND SEMICONDUC LEAD,NESOI								
8,462,310,080	BENDING, FOLDING, OR FLATTENING MACHINES (INCLUDIN								
8,462,310,080	SHEARING MACHINES (INC PRESSES), OTHER THAN COMBIN						492,762	93,413	4,014,108
8,462,410,080	PUNCHING OR NOTCHING MACHINES (INC PRESSES), INCLU	2,200,234	3,136,189	279,863	5,049,350	4,920,437	5,774,000	5,059,827	6,539,727
8,462,910,060	HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT	684,506		367,253	391,924	215,829	4,611,774	522,199	1,000,278
8,462,914,060	HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT								
8,462,990,030	MACHINE TOOLS (INCLUDING PRESSES) WORKING BY FORMI	56,830		236,584	15,629	133,738	1,471,981	414,692	394,141
8,462,994,030	MAC, WRK BY FORM MTL, NESOI, N/C, \$3025 & OVER, NEW								
8,464,100,040	SAW MACH DESIGN TO SAW BLANK SEMICONDUCTOR WAFEF	3,657,036	200,130	371,379	148,910	179,014	592,085		
8,464,201,000	GRIND/POLISH MACH FR PROCESSING SEMICONDUCTOR WAFER								
8,464,901,040	MACH TOOLS FR SCRIBING/SCORING SEMICONDUCTOR WAFER								
8,464,901,060	MACH TLS FR SCRBNG/SCRNG/ETCHNG SEMICONDUCTR WAFF	14,325,072	11,709,101	735,075	798,117	679,921	1,156,646	662,563	11,000,000
8,464,906,000	MACHINE TOOLS FOR WET DEVELOPING OR STRIPPING		595,807	1,639,690	1,241,600	736,000	3,141,688		
8,465,100,025	WOODWORKING TENONERS,NUMERICALLY CONTROLLED,NEW							332,187	
8,465,920,055	ROUTERS, NEW, NUMERICALLY, WOODWORKING MACHINES								
8,465,950,020	BORING MACHINES, N/C, WOODWORKING, NEW								
8,470,500,020	POINT-OF-SALE TERMINAL TYPE CASH REGISTERS	772,714	63,843	453,903	990,888		2,692,682	2,885,603	2,721,806
8,471,100,000	ANALOG OR HYBRID AUTOMATIC DATA PROCESSING MACHINE	23,713,453	7,923,286	9,111,507	8,812,632	16,889,501	10,295,435		
8,471,300,000	PORTABLE DIGITAL ADP MACHINE, WEIGHING NOT MORE TH	10,979,204	15,142,527	21,344,520	45,616,536	62,392,886	70,560,140		
8,471,300,100	PORT DGTL ADP MACH,< 10 KG, AT LEAST CPU,KBRD,DSPLY							38,794,101	59,399,586
8,471,410,035	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	7,709,557	8,330,517	5,680,046	10,300,776	10,980,429	7,384,417		
8,471,410,065	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	3,528,920	3,953,754	3,161,668	3,396,577	3,592,407	3,549,653		
8,471,410,095	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	15,666,005	12,672,359	9,101,704	15,013,533	15,029,101	30,900,272		
8,471,410,110	DIGITAL ADP MCH W CPU & INPUT/OUTPUT, CRT							4,630,033	3,069,412
8,471,410,150	DGTAL ADP MCH W CPU & INPT/OUTPT UNT,W/O CRT,NESOI							48,281,844	54,597,029
8,471,490,000	UNITS, NESOI, FOR ADP MACH, ENTERED IN FORM OF SYM							139,663,707	54,585,537
8,471,491,035	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	173,890,121	147,000,000	129,000,000	144,000,000	128,508,301	145,962,219		
8,471,491,065	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	2,033,537	524,111	439,817	650,425	233,653	840,142		
8,471,491,095	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	18,009,364	38,521,760	29,083,986	18,433,255	10,787,632	20,398,358		
8,471,491,500	COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT,WHETH	1,581,791	632,553	700,922	4,016,547	8,490,383	9,767,826		
8,471,492,400	DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V	2,336,154	4,081,986	2,302,851	900,357	216,741	3,947,684		
8,471,492,600	COLOR CATHODE-RAY TUBE (CRT) MONITORS, ENTERED WIT	328,159	142,695	1,180,334	683,609	446,211	603,204		
8,471,492,900	DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT, ENT	499,055	2,437,554	340,716	819,376	776,102	828,136		
8,471,494,200	OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI	3,688,174	1,363,231	2,145,864	1,730,109	2,133,508	4,183,024		
8,471,494,850	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES, ENTERED	29,377	24,640	32,869	299,848	18,201	16,752		
8,471,494,875	ADP OUTPUT DEVICES, NESOI, ENTERED IN THE FOR OF S	702,756	302,719	61,336	89,072	516,359	246,315		
8,471,494,895	ADP INPUT UNITS, NESOI, ENTERED IN THE FORM OF SYS	2,774,405	1,672,830	3,632,945	1,271,004	1,578,767	54,189		
8,471,495,010	MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT=	72,512	6,712	10,933	48,270	54,149	11,113		
8,471,495,020	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	565,460	240,050	11,504	334,688	573,911	418,827		
8,471,495,040	HARD MAGNETIC DISK DRIVE UNITS, NESOI, ENTERED WIT	3,596,646	3,261,006	718,036	755,074	928,196	3,919,697		
8,471,495,060	DISK DRIVE UNITS, NESOI, ENTERED WITH THE REST OF	3,348,880	1,726,918	880,192	425,895	76,160	2,556,711		
8,471,495,080	OTHER STORAGE UNITS, NESOI, ENTERED WITH THE REST	689,605	689,605	565,478	983,121	3,997,334	7,725,943		
8,471,496,000	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES	1,785,664	2,780,828	802,711	2,684,302	2,830,562	13,083,144		
8,471,498,500	UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION								
8,471,499,000	AUTOMATIC DATA PROCESSING UNITS,NESOI, ENTERED WIT	968,745	3,971,990	17,896,422	9,442,761	17,452,566	15,300,473		
8,471,499,500	UNITS, NESOI, FOR AUTOMATIC DATA PROCESSING MACHIN								
8,471,500,035	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	1,233,708	1,073,241	543,219	406,763	290,791	1,278,614		
8,471,500,065	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	344,035	1,393,300	418,732	68,257	413,639	160,175		
8,471,500,085	DIGITAL PROCESSING UNITS EXCLUDE SUBHEADING 8471.4	72,832,185	51,011,037	48,135,836	40,104,803	93,192,041	87,461,637		
8,471,500,110	DIGTL PROC UNT W STORAGE INPT/OUTPT,CRT,NESOI							6,432,085	2,463,421
8,471,500,150	DIGTA PROC UNIT W STORAGE INPT/OUTPT UNITS,NESOI							198,968,740	344,143,588
8,471,601,010	COMB INPUT/OUTPUT UNITS W/CRT, NESOI							530,322	506,094
8,471,601,035	COMBINATION INPUT/OUTPUT UNITS WITH COLOR CATHODE								
8,471,601,050	COMB INPUT/OUTPUT UNITS W/OUT CATHODE RAY TB,NESOI	1,484,300	422,295	157,579	54,573	60,127	88,520		
8,471,601,065	COMBINATION INPUT/OUTPUT UNITS WITH A MONOCHROME C							165,887	
8,471,601,095	COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT,WHETH	3,011,332	593,356	1,664,110	4,281,881	4,940,752	9,902,558		
8,471,603,000	DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V	5,914,350	2,015,519	1,013,648	1,157,286	723,006	1,427,270		
8,471,604,580	DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT						12,241,920	11,544,314	
8,471,605,100	LASER PRINTER UNITS INCORPORATING AT LEAST THE MED						1,767,094	1,667,480	
8,471,605,200	LASER PRINTER UNITS INCORPORATING AT LEAST THE MED						4,374,456	6,726,950	
8,471,607,000	INPUT/OUTPUT UNITS, NESOI, FOR ADP MACH							3,678,913	3,245,714
8,471,607,040	OUTPUT DEVICES, NESOI, SUITABLE FOR INCORPORATION	1,719,717	580,595	348,275	424,172	224,120	407,751		
8,471,607,080	INPUT UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPOR	1,992,075	344,120	653,376	584,428	998,311	415,859		
8,471,608,000	OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI	2,888,497	9,904,038	11,582,035	14,561,931	18,539,526	20,492,135	14,083,323	19,102,478
8,471,609,030	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES	114,353	184,437	198,332	1,138,564	55,578	143,256	1,124,053	765,665
8,471,609,050	ADP INPUT/OUTPUT UNITS, NESOI							12,550,847	14,282,298
8,471,609,070	ADP OUTPUT DEVICES, NESOI	14,948	11,484	36,195	28,727	480,495	270,176		
8,471,609,090	ADP INPUT UNITS, NESOI	1,829,979	1,151,886	4,973,492	6,362,753	3,165,131	3,749,259		
8,471,701,000	MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT=	234,309	62,457	99,191	226,462	145,778	188,738	665,739	313,935
8,471,702,000	MAGNETIC DISK DRIVE UNITS FOR AUTOMATIC DATA PROC	116,725	1,374,028	9,180,656	1,575,319	3,365,030	4,036,296	5,253,738	5,056,645
8,471,703,000	MAGNETIC DISK DRIVE UNITS, NESOI, WITH A DISK DIAM	1,019,490	723,454	450,757	505,823	1,193,347	2,190,138	1,746,680	3,680,883
8,471,704,035	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	287,313	705,707	485,806	131,561	90,690	129,241	452,883	176,270
8,471,704,065	HARD MAGNETIC DISK DRIVE UNITS, NESOI, NOT ASSEMBL	36,264,914	27,004,663	25,698,289	29,329,339	22,851,352	35,720,537	58,524,842	61,708,970
8,471,704,095	DISK DRIVE UNITS, NESOI, NOT ASSEMBLED IN CABINETS	116,521	109,882	193,307	216,195	1,048,128	1,281,516	493,470	2,353,156
8,471,705,035	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	11,953	11,137	57,695	4,300	44,891	442,586	1,717,782	1,237,435
8,471,705,065	HARD MAGNETIC DISK DRIVE UNITS, NESOI	11,699,041	6,171,203	4,500,994	4,489,632	3,367,628	11,289,965	42,055,405	63,157,803
8,471,705,095	DISK DRIVE UNITS, NESOI	554,379	398,794	1,689,781	3,107,382	2,881,589	4,332,698	5,513,666	7,411,810
8,471,706,000	OTHER STORAGE UNITS, NESOI, NOT ASSEMBLED IN CABIN	5,715,204	10,140,485	18,431,738	20,409,591	16,837,889	14,110,554	12,461,308	15,472,101
8,471,709,000	OTHER STORAGE UNITS, NESOI	11,476,170	8,053,791	7,792,954	18,189,559	22,973,645	29,902,278	47,633,256	34,644,064
8,471,801,000	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES	435,798,261	193,000,000	146,000,000	155,000,000	102,966,050	113,194,044	152,587,652	145,872,253
8,471,804,000	SUITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION	26,415,929	102,000,000	139,000,000	116,000,000	95,543,337	120,728,091	87,542,486	26,651,512
8,471,809,000	OTHER UNITS FOR AUTOMATIC DATA PROCESSING MACHINES	2,958,052	2,067,829	3,134,897	6,399,184	9,243,634	23,013,562	11,710,088	16,556,400
8,471,900,000	MACHINES AND UNITS THEREOF FOR PROCESSING DATA, NE	32,736,338	19,993,997	19,139,596	21,031,730	22,129,507	16,956,240		

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,479,898,300	MACHINES FOR MANUFACTURING OPTICAL MEDIA								
8,479,898,472	APPARATUS FOR GROWING SEMICONDUCTOR CRYSTALS			1,203,591	590,835	568,000			
8,479,898,474	MACHINE TO COAT SEMICONDUCTOR WAFERS WITH EMULSION		1,901,990	3,446,600	4,056,337	923,730	846,085		
8,479,898,476	CHEMICAL VAPOR DEPOSITION APPARATUS		121,000,000	107,000,000	321,000,000	71,719,673	184,035,297		
8,479,898,490	MACH NESOI FOR PROD & ASSEMBLY OF SEMICONDUCTORS		70,412,508	53,035,824	63,734,933	69,579,255	80,042,222		
8,479,898,572	APPARATUS DESIGNED TO GROW MONOCRYSTAL SEMICONDUCT		72,135						
8,479,898,574	MACHINES (SPINNERS) DESIGNED TO COAT PHOTOGRAPHIC		689,329						
8,479,898,576	CHEMICAL VAPOR DEPOSITION (CVD) APPARATUS INCLUDIN		60,963,233						
8,479,898,578	PHYSICAL DEPOSITION APPARATUS INCLUDING SPUTTERING		50,986,163						
8,479,898,590	MACHINES FOR PRODUCTION & ASSEMBY OF DIODES, TRANS		27,890,379						
8,479,909,440	PARTS OF INDUSTRIAL ROBOTS, NESOI								
8,479,909,540	PARTS OF INDUSTRIAL ROBOTS		7,062,568	4,794,473	3,022,999	7,176,063	6,596,930	7,749,757	3,556,129
8,480,714,000	INJ/COMPR MOLDS RUB/PLAS MANUF SEMICONDUCTR DEVICES								463,467
8,486,100,000	MACHINES & APPS FOR MANUFUR OF BOULES OR WAFERS							20,165,128	125,146,500
8,486,200,000	MACH/APPS FOR MANUF OF SEMICONDUCTOR DEVICE/IC							894,872,695	404,909,224
8,486,300,000	MACHINES & APPS FOR MANUFUR OF FLAT PANEL DISPLAY							215,482	64,620,000
8,486,400,010	MACH APP SPEC NT 9, MANUFACTURE OF MASKS, RETICLES							707,019	1,563,288
8,486,400,020	MACH & APPS FOR ASSEMB SEMICONDUCTOR DEVICE/IC							30,096,988	24,274,400
8,486,400,030	MACH FOR LIFT/HANDL/ETC OF BOULES/WAFER/SEMCOND.ETC.							15,231,009	11,433,765
8,504,902,000	PARTS OF POWER SUPPLIES FOR AUTOMATIC DATA PROCESS								
8,504,904,000	OTHER PARTS AND ACCESSORIES OF POWER SUPPLIES FOR								
8,514,302,000	FURNACES AND OVENS FOR DIFFUSION, OXIDATION OR ANN	5,543,857	3,428,967	2,689,838	7,558,223	11,446,098	1,562,127		
8,515,210,000	MACHINES AND APPARATUS FOR RESISTANCE WELDING OF M	838,842	1,273,632	1,525,611	7,197,306	1,621,614	2,699,965	5,651,406	9,067,523
8,515,310,000	MACHINES AND APPARATUS FOR ARC (INCLUDING PLASMA A	7,832,167	10,570,980	10,126,913	11,920,083	11,174,254	10,638,295	5,191,662	13,354,214
8,517,120,020	RADIO TELEPHONES FOR INSTALLATION IN MOTOR VEHICLE							585,974	763,315
8,517,120,050	CELLULAR RADIOTELEPHONES FOR PCRS							67,738,695	162,597,110
8,517,120,080	TELEPHONES FOR CELL/OTHER WIRELESS NETWORKS, NESOI							6,744,247	6,632,271
8,517,180,000	TELEPHONE SETS, NESOI							13,582,172	13,877,087
8,517,180,010	VIDEOPHONES								
8,517,190,000	VIDEOPHONES	4,227,906	2,675,413	1,565,230	3,457,683	6,445,101	8,389,658		
8,517,194,000	VIDEOPHONES								
8,517,210,000	FACSIMILE MACHINES					49,605	10,218		
8,517,301,500	CENTRAL OFFICE SWITCHING APPARATUS	33,267,041	8,333,931	5,172,410	6,115,786	4,395,230	2,499,663		
8,517,302,000	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	1,126,668	402,023	646,621	1,276,850	524,754	482,444		
8,517,302,500	ELECTRONIC KEY TELEPHONE SYSTEMS					114,827	240,146		
8,517,303,000	TELEPHONIC SWITCHING APPARATUS,NESOI	2,277,819	4,228,894	14,545,027	7,154,745	5,121,964	3,643,107		
8,517,305,000	TELEGRAPHIC SWITCHING APPARATUS	12,713,375	15,706,896	5,933,308	6,273,640	7,875,612	5,093,271		
8,517,501,000	MODEMS (MODULATOR-DEMULATOR APPARATUS) OF A KIND	14,277,125	30,723,715	22,736,486	3,594,654	6,914,868	6,591,732		
8,517,505,000	CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	35,792,075	19,621,653	14,682,913	12,953,703	10,893,349	9,538,102		
8,517,506,000	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	601,736	329,838	2,824,729	2,311,818	1,921,414	1,541,904		
8,517,509,000	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS	100,131,115	106,000,000	125,000,000	150,000,000	208,304,083	225,108,448		
8,517,610,000	BASE STATIONS							3,913,919	12,203,206
8,517,620,010	MODEMS OF A KIND USED WITH DATA PRCSG MCH OF 8471							13,095,322	30,942,365
8,517,620,050	MACH FOR RECP/CONV/REGEN VOICE/IMAGE/DATA, NESOI							427,777,982	553,765,783
8,517,690,000	APPS FOR TRAMIT/RECEP OF VOICE/DATA/IMG, NESOI							30,958,196	62,835,640
8,517,700,000	PARTS OR APPS FOR TRASMITIT/RECP OF VOICE/IMG/DATA							330,306,914	332,633,948
8,517,900,400	PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA								
8,517,900,800	PARTS OF FACSIMILE MACHINES, NESOI								
8,517,902,000	PARTS FOR TELEPHONIC SWITCHING APPARATUS	54,983,943	89,186,196	23,323,734	17,090,822	19,517,966	38,271,124		
8,517,902,400	PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT								
8,517,902,600	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA								
8,517,903,200	PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30,								
8,517,903,400	PARTS OF TELEPHONIC AND TELEGRAPHIC SWITCHING APP								
8,517,903,600	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC SWITCHIN								
8,517,903,800	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU								
8,517,904,400	PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT								
8,517,905,000	PARTS,NESOI, FOR TELEPHONIC APPARATUS	84,827,706	28,503,846	23,803,126	23,291,985	52,222,054	68,768,319		
8,517,905,200	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR								
8,517,905,800	PARTS FOR TELEPHONIC APPARATUS FOR SWITCHING OR TE								
8,517,906,400	PARTS OF TELEPHONIC APPARATUS, NESOI								
8,517,909,000	PARTS FOR TELEGRAPHIC APPARATUS	73,039,982	169,000,000	179,000,000	261,000,000	206,479,534	290,098,871		
8,519,813,010	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS								
8,519,814,020	OPTICAL DISC RECORDERS							1,943,399	2,615,285
8,519,990,045	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS								
8,521,100,000	VIDEO RECORDING OR REPRODUCING APPARATUS, WHETHER	4,168,651	713,558	1,323,000	1,107,368				
8,521,106,000	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC								
8,521,109,000	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC								
8,521,900,000	VIDEO RECORDING OR REPRODUCING APPARATUS EXCEPT MA	12,648,906	43,619,552	84,231,511	104,000,000	67,945,007	35,802,072	33,264,144	60,640,637
8,523,292,000	MAGNET TAPES FR REPRODUCING OTHER THAN SOUND/IMAGE							297,236	280,411
8,523,299,000	RECORDED MAGNETIC MEDIA, NESOI							23,219,741	11,730,327
8,523,402,010	LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE,RETAIL							29,181,628	24,122,616
8,523,402,020	LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE, NESOI							44,366,198	58,004,428
8,523,403,000	RECORDED OPTICAL MEDIA, FOR REPRODUCING SOUND ONLY							755,443	391,808
8,523,404,000	RECORDED OPTICAL MEDIA FOR INSTRUCTIONS, DATA, ETC							25,257,091	32,251,604
8,523,405,000	DISCS FOR LASER READING SYSTEMS, NESOI							7,084,727	4,191,660
8,523,510,000	SOLID STATE NON-VOLATILE STORAGE DEVICES							91,523,009	154,337,521
8,523,520,000	SMART CARDS							17,804,792	19,142,931
8,523,590,000	SEMICONDUCTOR MEDIA FOR REPRO SOUND, NESOI							1,783,912	1,123,773
8,523,802,000	RECORDED/UNRECORD MEDIA FOR SOUND, ETC., NESOI								
8,524,310,000	DISCS FOR LASER READING SYSTEMS, FOR REPRODUCING P	21,324,078							
8,524,310,030	DISCS FOR LASER READING SYSTEMS FOR REPRODUCING PH		715,526	671,583	24,641,775	26,084,904	35,145,268		
8,524,310,070	LASER DISCS,NOT FOR REPRODUCING SOUND/IMAGE, NESOI		21,423,897	29,639,109	11,421,177	14,677,954	23,919,599		
8,524,390,000	DISCS FOR LASER READING SYSTEMS, NESOI	13,585,859							
8,524,394,000	DISCS FOR REPRODUCING REPRESENTATIONS OF INSTRUCTI		1,827,516	1,538,580	354,540	1,156,240	117,928		
8,524,398,000	DISCS FOR LASER READING SYSTEMS, NESOI		13,186,158	15,020,427	19,242,982	22,173,028	24,811,714		
8,524,400,000	MAGNETIC TAPE RECORDINGS FOR REPRODUCING PHENOMEN/	1,668,814	818,764	1,101,331	2,571,617	450,782	886,573		
8,524,910,000	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO	7,243,936							
8,524,910,030	PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S		451,039	149,750	7,953,495	13,836,263	26,734,994		
8,524,910,070	OTHER MAGNETIC MEDIA, FOR REPRODUCING PHENOMENA OT		7,967,505	18,924,104	10,496,765	5,145,327	4,673,867		
8,524,990,000	RECORDED MEDIA, NESOI	14,568,993	18,025,073	19,191,937	15,059,812	33,188,172	23,780,726		
8,524,994,000	RECORDED MEDIA FOR SOUND OR OTHER SIMILARLY RECOR								
8,525,106,070	RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING	2,295,711	2,614,663	2,179,280	4,053,076	2,023,900	1,523,935		
8,525,106,090	RADIO TRANSMITTERS,NESOI, CAPABLE OF TRANSMITTING	2,247,527	2,602,437	2,534,190	3,856,524	4,299,058	5,690,869		
8,525,107,065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY								
8,525,107,085	TRANSMIT FR FREQUENCY GT 1000 MHZ,RADIOBROADCAST								
8,525,107,090	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESO								
8,525,108,020	TRANSMISSION APPARATUS,NESOI,FOR CIVIL AIRCRAFT	1,093,691	1,022,052	636,082	2,408,683	3,052,273	2,050,404		
8,525,108,040	TRANSMISSION APPARATUS,NESOI,FOR RADIOTELEPHONY,RAD	3,633,603	3,970,246	3,803,463	6,145,111	2,683,229	3,933,453		
8,525,109,025	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY								
8,525,109,065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY								
8,525,109,085	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCY								
8,525,109,090	TRANSMISSION APPARATUS FOR RADIOTELEPHONY OR RADIO								
8,525,203,025	RADIO TRANSCEIVERS, HAND-HELD, FOR FREQUENCIES EXC								
8,525,203,055	RADIO TRANSCEIVERS, NESOI, FOR FREQUENCIES EXCEEDI	129,862,830	58,987,825	24,746,627	11,351,069	23,608,534	9,768,877		
8,525,203,080	RADIO TRANSCEIVERS,EXCEPT HANDHELD, FOR FREQUENCY								
8,525,209,020	RADIO TELEPHONES DESIGNED FOR INSTALLATION IN MOTO	1,232,407	2,329,180	4,676,620	2,082,098	1,153,413	745,161		
8,525,209,040	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	1,407,438	1,460,774	1,062,045	1,664,504	110,465,366	57,544,522		
8,525,20									

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,525,300,070	TELEVISION CAMERAS, EXCEPT COLOR	149,474	2,800	232,872	126,412	1,855,273	2,520,618		
8,525,303,000	GYROSTABILIZED TELEVISION CAMERAS								
8,525,306,000	STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE								
8,525,309,005	TELEVISION CAMERAS, NESOI, COLOR								
8,525,309,060	TELEVISION CAMERAS, EXCEPT COLOR								
8,525,404,000	DIGITAL STILL IMAGE VIDEO CAMERAS	484,246	2,564,290	3,397,059	8,665,335	3,543,992	6,861,370		
8,525,408,020	CAMCORDERS, 8 MM		21,566	73,800	2,554				
8,525,408,050	CAMCORDERS (OTHER THAN 8 MM TYPE), NESOI	63,192	10,070	477,394	580,095	272,993	129,786		
8,525,408,085	STILL IMAGE VIDEO CAMERAS AND VIDEO CAMERA RECORDER	678,693	652,628	709,422	859,625	3,173,947	3,809,797		
8,525,506,050	RADIO TRANSMITTERS NOT EXCEEDING 30 MHZ							8,991,361	8,260,017
8,525,507,010	RADIO BROADCAST TRANSMITTERS								
8,525,507,050	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESOI								
8,525,508,020	TRANSMISSION APPARATUS FOR CIVIL AIRCRAFT, NESOI							1,346,419	1,233,917
8,525,508,040	COMMUNICATIONS TRANSMISSION APPARATUS, NESOI							3,484,685	818,280
8,525,601,030	RADIO TRANSCEIVERS, HAND-HELD								
8,525,601,050	RADIO TRANSCEIVERS, EXC HANDHELD								
8,525,601,055	RADIO TRANSCEIVERS, OTHER							7,861,482	4,988,203
8,525,602,000	TRANSMISSION APPTS INCORPORATING RECEIVERS, NESOI							12,252,544	17,470,030
8,525,800,035	TELEVISION CAMERAS, COLOR							2,536,629	2,958,754
8,525,800,045	TELEVISION CAMERAS, NESOI							2,135,369	8,729,173
8,525,801,000	GYROSTABILIZED TELEVISION CAMERAS								
8,525,802,000	STUDIO TV CAMERAS, EXC SHOLDER-CARRIED & PORTABLE								
8,525,803,010	TELEVISION CAMERAS, COLOR, NESOI								
8,525,803,050	TELEVISION CAMERAS, EXCEPT COLOR, NESOI								
8,525,804,000	DIGITAL STILL IMAGE VIDEO CAMERAS							13,325,486	14,502,005
8,525,805,020	CAMCORDERS EXCEPT 8MM							42,655	190,251
8,525,805,050	STILL IMAGE VIDEO CAMERA, VIDEO CAMERA RECORDER, NESOI							1,091,253	1,526,149
8,526,100,020	RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION	288,873	1,010,867	395,523	475,956	178,463	321,093	685,953	271,058
8,526,100,040	RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR								
8,526,100,070	RADAR APPARATUS, NESOI	168,644	137,884	334,747	543,568	259,247	331,925	516,962	1,750,512
8,526,910,010	RADIO NAVIGATIONAL AID APPARATUS FOR USE IN CIVIL	9,929,330	3,479,870	2,359,042	2,054,418	3,189,464	4,160,162	8,461,760	5,856,605
8,526,910,020	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T								
8,526,910,030	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	1,155,921	1,501,435	4,758,273	8,063,375	15,174,476	11,781,292	20,146,228	29,554,792
8,526,910,040	RADIO NAVIGATIONAL AID APPARATUS, NESOI								
8,526,910,070	RADIO NAVIGATIONAL AID APPARATUS, NESOI	3,271,355	4,029,106	7,131,851	9,471,830	5,368,446	4,669,937	7,856,744	13,091,824
8,526,920,000	RADIO REMOTE CONTROL APPARATUS	2,089,122	596,532	1,038,021	703,939	1,375,445	1,308,208	1,777,240	4,993,788
8,527,211,010	MOTOR VEH RADIO-TAPE PLAYERS COMB, INC OPTICAL DISC								
8,527,905,000	INFANT NURSERY MONITOR SYSTEMS, PACKAGE CONSISTING								
8,527,908,045	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	66,869							
8,527,908,055	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS	240,682							
8,527,908,075	RECEPTION APPARATUS FOR RADIOTELEPHONY, RADIOTELEGR	5,124,882							
8,527,909,550	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR								
8,527,909,560	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR								
8,527,909,590	RECEPTION APPARATUS FOR RADIOBROADCASTING OR RADIO								
8,527,909,745	RADIO RECEIVERS (400 - 1000 MHZ)								
8,527,909,755	RADIO RECEIVERS GT 1000 MHZ		286,625	545,700	1,810,043	1,917,907	398,781		
8,527,909,775	RECEPTION APPARATUS RADIO COMMUNICATIONS, NESOI		613,687	2,466,832	631,549	501,328	623,192		
8,527,991,000	INFANT NURSERY MONITOR SYSTEMS (TRANSMIT, REC, ADPT)								
8,527,992,030	RADIO RECEIVERS F FREQ GT 400 MHZ								
8,527,993,030	RADIO RECEIVERS, EXCEEDING 400 MHZ NESOI							2,818,037	4,745,349
8,527,995,030	RECEPTION APPARATUS, NESOI							1,124,868	970,683
8,527,995,040	RADIOBROADCAST RECEIVERS, NESOI								
8,528,120,400	TV RECEIVERS INCOMPLETE OR UNFINISHED ASSEMB, COLO								
8,528,121,201	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P								
8,528,121,601	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P								
8,528,122,800	RECEPTION APPAR FOR TV, NON-HI DEF, COLOR, SINGLE PIC								
8,528,123,000	RECEPTION APPARATUS FOR TV, COLOR, INCORPORATING V	595,294	293,119	758,815	3,140,058	3,981,614	7,295,371		
8,528,123,600	TV REC, COL, NON-HD, PROJ, CATH-RAY, W/ VIDEO REC/REP								
8,528,124,000	RECEPTION APPAR FOR TV, COLOR, NON-HIGH DEFINITION,								
8,528,124,400	TV REC, COL, HI-DEF, NON-PROJ, CATH-RAY TUBE W/REC REP								
8,528,124,800	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION								
8,528,125,200	TV REC, COLOR, HD, PROJ, CATH-RAY, W/ VIDEO REC/REP								
8,528,125,600	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION								
8,528,126,201	RECEPTION APPARATUS FOR TV, CLR, W/ A FLAT PANEL SC								
8,528,126,401	RECEPTION APP. FR TV, COLOR, WITH A FLAT PANEL SCR								
8,528,126,801	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN								
8,528,127,201	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN								
8,528,127,601	RECEPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R								
8,528,128,001	REC TV, COLOR, VIDEO RECORD OR REPRODUCE, EXC 34.29CM								
8,528,128,401	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A								
8,528,129,200	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A								
8,528,129,300	RECEPTION APPARATUS FOR TV, COLOR, WITH A PRINTED								
8,528,129,700	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A								
8,528,301,000	VIDEO PROJ, CL, COLOR, INCOMPLETE, NOT INCORP A								
8,528,302,000	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA								
8,528,303,000	VIDEO PROJECTORS, CLR, NON-HI DEF, W/ CRT, W/ REC/REP								
8,528,304,000	VIDEO PROJECTORS, CLR, NON-HD, W/ CRT, NESOI								
8,528,306,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI								
8,528,306,201	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, LT=34.29 CM								
8,528,306,401	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, GT 34.29 CM								
8,528,306,601	RECEPT, APP. FOR TELEVIS. VIDEO PROJ, COLOR, FLAT								
8,528,306,801	RECEPT, APP. FOR TELEVIS. VIDEO PROJECT, COLOR, F								
8,528,307,200	VIDEO PROJECTORS, COLOR, NESOI, INCORPORATING VIDE								
8,528,307,800	VIDEO PROJECTORS, COLOR, NESOI								
8,528,510,000	MONITORS FOR ADP OF HEADING 8471, NESOI							14,792,749	18,724,396
8,528,610,000	PROJECTORS FOR ADP OF HEADING 8471							356,264	1,084,852
8,528,690,500	VIDEO PROJECTS, CLO, INCOMP, NOT CRT/FLAT, W/ VID REC/RP								
8,528,691,000	VIDEO PROJ, CL, INCOMPLETE, NOT CRT/FLAT PNL, NESOI								
8,528,693,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI								
8,528,693,500	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, LT=34.29 CM								
8,528,694,000	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, GT 34.29 CM								
8,528,694,500	VIDEO PROJ, CLOR, FLAT PNL SCR, LT= 34.29 CM, NESOI								
8,528,695,000	VIDEO PROJ, COLOR, FLAT PNL SCR, GT 34.29 CM, NESOI								
8,528,695,500	VIDEO PROJECTORS, COLOR, INC VIDEO REC/REP, NESOI								
8,528,696,000	VIDEO PROJECTORS, COLOR, NESOI								
8,528,711,000	TV REC, COLOR, VIDEO REC/ REP								
8,528,712,000	TV SET TOP BOXES W/ COMMNICTN FUNC, COL, GT 34.29CM								
8,528,713,000	TV REC, COLOR, PC ASSEM, W/ TUNER, NESOI								
8,528,714,000	TV RECPT APPARATUS, COLOR, NO VID DISPAY, NESOI								
8,528,714,500	TV RECPT APPARATUS NO VIDEO DISPLAY B/W/MONO NESOI								
8,528,720,400	TV REC, INCOMP ASSMB, COLOR NO CRT, FLAT PAN, REROD								
8,528,721,200	TV REC, COLOR, REC/REP, NON-HD, 1 PICT TUB LT=34.29CM								
8,528,721,600	TV REC, NON-HD, COLOR, 1 TUBE, REC APPS, DIAG GT 34.29CM								
8,528,722,800	TV REC, COL, NO-HD, 1 PIC TUB, DISP GT 35.56CM, REC AP								
8,528,723,000	TV RECEP APP, COLOR, INC VIDEO RCRDNG/REPROD APP							2,316,408	363,113
8,528,723,600	TV REC, COL, NON-HD, PROJ, CATH-RAY, W/ VIDEO REC/REP								
8,528,724,000	TV REC, COLOR, NON-HD, PROJ, CATH-RAY TUBE, NESOI								
8,528,724,800	TV REC, COLOR, HD, NON-PROJ, W/ CATH-RAY TUBE, NESOI								
8,528,726,200	TV REC, COL, FLAT PAN SCR, W/ REC/REP, LT=34.29 CM								
8,528,726,400	TV REC, COL, FLAT PANEL SCREEN, VIDEO REC/ REP, NES								
8,528,726,800	TV REC, COLOR, FLAT PANEL SCREEN, DIS LT=34.29CM, NES								

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,528,727,210	PLASMA TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM								
8,528,727,250	LCD TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM								
8,528,727,270	TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM, NESOI								
8,528,727,600	TV RECP,COLOR,VIDEO REC/ REP,DISP LT= 34.29CM, NES								
8,528,728,000	TV RECP, COLOR,VIDEO REC/ REP, DISP GT 34.29CM,NES								
8,528,728,400	TV RECP, COLOR, VIDEO NOT EXC. 34.29 CM, NESOI								
8,528,729,700	TV RECP APPARATUS, COLOR, NESOI								
8,529,900,900	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI								
8,529,901,620	PRINT CIR ASSEMBLS,ASSEMBLS & SUBASSEMBLS OR RADAR								
8,529,901,640	PRINTED CIRCUIT ASSEMBLIES,ASSEMBLIES & SUBASSEMBL								
8,529,901,660	PRNTD CIR ASSEMBLIES,ASSEMBLIES & SUBASSEMBLIES CO								
8,529,901,920	PRNTD CIR ASSEMBLS,NOT ASSEM & SUBASSEM,OF RADAR								
8,529,901,940	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB								
8,529,901,960	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB								
8,529,902,600	TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD								
8,529,903,000	PARTS OF TELEVISION CAMERAS	111,512	861,078	3,519,069	5,757,997	1,463,248	722,914	2,447,154	1,320,052
8,529,903,900	PRTS OF TELEVISION RECEIVERS, EXCEPT TUNERS, SUBAS								
8,529,904,720	PARTS FOR RADAR APPARATUS								
8,529,904,740	PARTS FOR RADIO NAVIGATIONAL AID APPARATUS (EXCEPT	1,049,806	1,246,623	930,495	1,419,592	893,016	2,565,740	1,516,775	2,992,450
8,529,904,760	PARTS FOR RADIO REMOTE CONTROL APPARATUS	5,077,890	1,703,111	2,696,086	2,185,268	5,074,107	11,604,167	5,774,793	13,446,164
8,529,904,900	COMBINATION OF PARTS SPECIFIED IN ADDITIONAL U.S.	938,127	5,582,254	6,770,149	6,722,278	5,229,008	3,329,925	4,210,771	2,304,901
8,529,906,300	OTHER,PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI								
8,529,907,300	OTHER PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI								
8,529,907,800	MOUNTED LENSES FOR TELEVISION CAMERAS & OTHER PART								
8,529,908,100	OTHER PARTS OF ARTICLES OF HEADINGS 8525 AND 8527,								
8,529,909,520	ASSEMBLIES & SUBASSEMBLIES, OF RADAR APPARATUS								
8,529,909,540	ASSEMBLIES AND SUBASSEMBLIES,CONSISTING OF 2 OR MO								
8,529,909,560	ASSEMBLIES AND SUBASSEMBLIES,CONSISTING OF 2 OR MO								
8,529,909,720	OTHER PARTS OF RADAR APPARATUS, EXCEPT ASSEMBLIES								
8,529,909,740	OTHER PARTS OF RADIO NAVIGATIONAL AID APPARATUS (E								
8,529,909,760	OTHER PARTS OF RADIO REMOTE CONTROL APPARATUS, EXC								
8,534,000,020	PRINTED CIRCUITS HAVING A BASE OF PLASTIC IMPREGNA	43,762,625	56,778,731	61,826,254	67,198,162	55,123,612	53,330,634	52,310,327	56,732,692
8,537,109,030	NUMERICAL CONTROLS FOR CONTROLLING MACHINE TOOLS	1,434,097	910,804	191,821	592,315	668,698	991,709	1,826,547	869,743
8,537,109,050	PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES					5,720,856	3,434,742	5,806,237	8,007,092
8,537,109,060	PROGRAMMABLE CONTROLLERS	6,953,845	9,189,290	11,856,097	14,311,672	23,343,074	52,009,237	53,181,459	56,157,612
8,540,890,000	MICROWAVE TUBES, NESOI	130,552	33,200	70,300	599,725	346,117	33,314	63,408	39,541
8,540,890,060	LIGHT-SENSING TUBES	12,839	2,655	28,611	125,285	78,269	20,400	206,705	1,578,780
8,541,100,040	UNMOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA	17,656,856	8,532,207	4,202,703	20,337,882	9,909,913	12,074,485	7,988,223	13,576,048
8,541,100,050	ZENER DIODES	184,667	586,192	418,031	416,783	1,198,681	1,764,283	2,016,351	2,447,369
8,541,100,060	MICROWAVE DIODES	6,046,068	6,320,551	2,943,759	3,829,707	4,346,493	4,475,322	3,729,441	2,801,746
8,541,100,070	DIODES, OTHER THAN PHOTOSENSITIVE OR LED, WITH A MA	313,960	172,258	340,972	1,643,597	117,189	551,432	332,219	208,968
8,541,100,080	SEMICONDUCTOR DIODES NOT PHOTSENSITIVE OR LED, WIT	11,094,215	8,315,473	4,951,502	6,994,732	3,876,822	4,875,944	9,443,609	12,972,860
8,541,210,040	UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTHE	2,804,436	13,023,864	6,906,026	3,582,554	3,058,996	4,102,329	6,244,313	19,569,811
8,541,210,075	TRANSISTORS,OTHER THAN PHOTSENSITIVE, WITH A DISS								
8,541,210,080	TRANSISTORS,OTHER THAN PHOTSENSITIVE, WITH A DISS	11,587,827	5,852,799	6,118,432	3,556,315	2,923,596	3,150,738	5,396,394	4,268,455
8,541,210,095	TRANSISTORS OTHER THAN PHOTSENSITIVE, WITH A DISS								
8,541,290,040	UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O	98,097,538	116,000,000	149,000,000	130,000,000	86,741,368	69,260,866	92,746,133	112,140,891
8,541,290,075	TRANSISTORS OTHER THAN PHOTSENSITIVE, DISSIPATION								
8,541,290,080	TRANSISTORS,OTHER THAN PHOTSENSITIVE,WITH A DISSI	13,804,725	7,265,250	5,595,927	16,890,271	27,971,123	46,112,919	42,612,960	44,988,358
8,541,290,095	TRANSISTORS OTHER THAN PHOTSENSITIVE, DISSIPATION								
8,541,300,040	UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA	42,521	107,014	76,836	365,883	644,838	395,049	911,630	3,519,533
8,541,300,080	THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTSENSIT	618,064	1,093,404	1,947,889	1,660,873	1,250,337	2,290,903	4,739,228	5,437,092
8,541,406,010	UNMOUNTED CHIPS, DICE OR WAFERS FOR PHOTSENSITIVE	236,165	993,139	1,005,627	1,015,306	1,658,787	3,496,768	2,225,765	5,149,111
8,541,406,020	SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS	1,098,141	3,136,139	1,819,427	768,746	844,536	7,388,600	25,319,434	18,991,830
8,541,406,030	SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP	489,811	2,033,404	1,009,345	3,958,870	5,342,642	6,097,461	6,071,908	4,465,755
8,541,406,050	PHOTSENSITIVE DIODES, NESOI	3,027,721	2,200,965	1,286,544	1,264,328	3,856,739	9,054,362	17,508,312	16,251,147
8,541,407,040	UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTSENSITIV	367,819	904,123	80,473	111,219	218,914	248,682	2,751,880	9,227,236
8,541,407,080	PHOTSENSITIVE TRANSISTERS	10,557	60,185	160,639	232,826	1,195,742	287,093	1,166,277	847,515
8,541,408,000	OPTICAL COUPLED ISOLATORS	692,356	1,775,421	2,600,031	3,017,156	3,563,999	4,444,065	7,239,233	6,690,940
8,541,409,500	PHOTSENSITIVE SEMICONDUCTOR DEVICES, NESOI	15,488,190	489,785	2,403,196	2,626,393	1,653,723	4,010,206	6,979,618	7,611,129
8,541,500,040	UNMOUNTED CHIPS, DICE, WAFERS FOR SEMICONDUCTOR DE	908,816	1,483,308	1,768,266	2,438,032	20,744,378	37,800,249	98,577,383	76,558,202
8,541,500,080	SEMICONDUCTOR DEVICES, NESOI	7,064,905	17,087,601	3,275,796	8,908,693	11,293,366	14,763,244	31,817,081	17,296,764
8,541,900,000	PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDUCT	16,209,170	10,720,759	21,004,986	37,448,451	22,507,690	16,128,441	30,118,792	16,674,694
8,542,100,000	CARDS INCORP. ELEC. INTEGRATED CRCT (SMART CARDS)		14,522,749	12,679,994	10,588,375	16,271,989	19,885,588		
8,542,120,000	MONOLITHIC DIGITAL INTEGRATED CIRCUITS: CARDS INCO								
8,542,134,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, MOS TECHN								
8,542,138,005	UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA	366,832,235							
8,542,138,010	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	118,692,332							
8,542,138,012	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	3,632,310							
8,542,138,021	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,022	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,023	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,024	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,025	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	10,381,536							
8,542,138,026	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,027	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,028	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,029	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,030	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,031	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,032	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,034	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,037	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,038	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,039	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,M								
8,542,138,041	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M								
8,542,138,043	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	94,106							
8,542,138,044	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	5,215,638							
8,542,138,045	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M								
8,542,138,049	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,051	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,052	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,056	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	6,816,861							
8,542,138,057	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M								
8,542,138,059	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,060	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,								
8,542,138,061	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	651,565							
8,542,138,065	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	4,625,633							
8,542,138,066	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	6,339,327							
8,542,138,067	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	331,250							
8,542,138,068	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	15,789,391							
8,542,138,072	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	67,340,367							
8,542,138,092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	355,738							
8,542,138,096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	8,587,527							
8,542,144,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, BIPOLAR T	51,447							
8,542,148,001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	21,533,782</							

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,542,148,012	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	17,410							
8,542,148,017	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	2,135,678							
8,542,148,092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA								
8,542,148,096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	513,976							
8,542,194,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OBTAINED	112,888							
8,542,198,001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	147,936							
8,542,198,002	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	1,842,577							
8,542,198,073	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	8,720							
8,542,198,078	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	688,738							
8,542,198,092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	1,873,284							
8,542,198,096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	14,877							
8,542,214,000	MNLTHC IC DGTL FOR HD TV GT 100,000 GATES		9,860,152	14,110,982	6,677,040	2,601,108	5,463,832		
8,542,218,005	CHIPS & WAFERS OF SILICON DGTL MNLTHC IC	667,000,000	1,350,000,000	1,420,000,000	1,755,248,803	3,095,151,972			
8,542,218,010	UNMNTD CHIP,DICE & WAFER FOR DGTL MNLTHC IC, EX SLCN	8,420,946	6,612,664	11,009,943	28,202,617	137,864,895			
8,542,218,020	MONO INTGR CRCT SLCN DGTL VLT MEM DRAM LT=16 MB								
8,542,218,021	MONO IC, DIG, SI, VOLTAGE MEM, DRAM, LT=1MB	16,571,458	2,304,100	4,941,859	829,093	1,605,721			
8,542,218,022	MNLTHC IC,DIG,SI,VOLATILE MEM, GT 1MB BUT LT=8MB								
8,542,218,023	MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM,8-16 MEGABITS								
8,542,218,024	MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM,16-64 MEGABIT								
8,542,218,025	MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM, 64-128 MB								
8,542,218,026	MONO INT CRC SLCN DGT VLT MEM DRAM GT 128 LT=256MB								
8,542,218,027	MONO INT CRC SLCN DGT VLT MEM DRAM GT 256 LT=512MB								
8,542,218,028	MONO INT CRC SLCN DGT VLT MEM DRAM GT 512MB LT=1GB	160,000,000	221,000,000	198,000,000	187,164,334	361,056,513			
8,542,218,029	MNLTHC IC,DGTL,SI,VOLTILE MEM,DRAM, GT 128 MEGABIT								
8,542,218,030	MONO INTEGR CIRCT SLCN DGTL VOLT MEM DRAM GT 1 GB								
8,542,218,031	MONO IC,DGTL,SI,VOLATILE MEM,(SRAM),LT=256 KBITS	1,865,525	1,830,387	709,047	1,580,672	4,919,918			
8,542,218,032	MNLTHC IC,DIG,SI,VOLATILE MEM,SRAM,GT 256KB,LT=2MB								
8,542,218,038	MNLTHC IR,SI,DIG,VOLATILE MEM,SRAM,GT 256 KILIBIT	2,137,880	913,595	2,751,765	3,012,541	3,839,571			
8,542,218,039	MNLTHC IC,DIG,SI,VOLATILE MEM,SRAM, GT 2 MEGABITS								
8,542,218,041	MNLTHC IC,DIG,SI,EX VOL MEM,EEPROM, LT=64 KLB								
8,542,218,042	MNLTHC IC,DIG,SI,EX VOLTLE,EEPROM,64-512 KILOBITS								
8,542,218,048	MONOLITHIC INTEG CIRCUIT, DIGITL,(EEPROM),ELEC ERAS	9,584,625	17,659,631	37,814,348	192,179,529	351,241,435			
8,542,218,049	MNLTHC IC,DIG,SI,EX VOLTLE,EEPROM, GT 512 KILOBITS								
8,542,218,051	MNLTHC IC,DIG,SI,NOT VOLTLE,EPRM, LT=64 KILOBITS								
8,542,218,052	MNLTHC IC,DIG,SI,EX VOLTLE,EPRM,64-512 KILOBITS								
8,542,218,058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)	664,863	976,920	2,651,293	2,778,282	2,649,469			
8,542,218,059	MNLTHC IC,DIG,SI,EX VOLTLE,EPRM,GT 512KILOBITS								
8,542,218,060	MONOLITHIC IC, DIGITAL, SILICON,OTHER MEMORY,NESOI	17,058,075	18,355,769	104,000,000	21,415,578	24,258,574			
8,542,218,071	MONO IC,DIG,SI,MICROPROC LT=8 BITS	18,545,313	24,810,243	24,501,430	16,562,291	15,376,422			
8,542,218,072	MNLTHC IC,DIG,SI,MICROPROCES 16 BITS	5,672,607	7,760,599	3,478,846	3,939,253	2,519,251			
8,542,218,079	MONO IC,DIG,SI, MICROPROCESSORS GT=32 BITS	51,560,902	49,326,101	68,554,915	98,431,609	87,050,862			
8,542,218,081	MNLTHC IC,DIG, SI, TRANSISTOR-TRANSISTOR LOGIC								
8,542,218,082	MNLTHC IC,DIG,SI,EMITTER-COUPLED LOGIC (ECL)								
8,542,218,088	MONOLITHIC INTEGRAT CIRCUITS OF SI, DIG, NESOI	79,091,108	112,000,000	239,000,000	279,697,007	468,258,212			
8,542,218,089	MONOLITHIC IC OF SILICON, DIGITAL, NESOI								
8,542,218,091	MONOLITHIC IC,DIGITAL, MEMRY, (EXCPT SILCON)	3,261,401	4,262,092	1,678,560	1,622,746	1,283,976			
8,542,218,099	MONOLITHIC IC, DIGITAL, EXCEPT SILCON, NESOI	34,127,716	32,344,114	22,208,545	8,211,283	17,811,565			
8,542,290,010	CHPS,DCE,WFRS MONOLITHIC INTEGRAT CIRCUIT,NESOI	105,000,000	102,000,000	153,000,000	216,618,948	556,531,489			
8,542,290,012	MONOLITHIC IC'S,EXPT DIGL,OPRAT FREQ GT= 100MHZ	13,992,091	68,258,640	70,981,603	43,016,805	52,065,595			
8,542,290,030	MONOLITHIC IC, FREQUENCY LT 100 MHZ, LOGIC,MIX SIG	7,931,183	6,577,222	58,807,578	10,789,435	21,272,196			
8,542,290,040	MONOLITHIC IC,FREQ LT 100 MHZ, MIX SIGNAL, NESOI	47,030,204	19,854,635	28,999,961	48,303,209	82,791,899			
8,542,290,050	MONOLITHIC IC,OPERATING FREQUENCY LT 100 MHZ, NESOI	37,468,127	59,187,732	68,757,139	46,406,899	56,292,109			
8,542,300,040	UNMOUNTED CHIPS, DICE, WAFERS FOR MONOLITHIC INTEG	55,015,622							
8,542,300,060	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	6,268,329							
8,542,300,065	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	43,563,622							
8,542,300,080	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	8,127,807							
8,542,300,090	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	12,347,762							
8,542,310,000	PROCESSORS & CONTROLLERS W/NOT COMBO W MEMORIS, ETC						2,588,412,823	3,808,470,960	
8,542,320,001	DYNAMIC READ-WRITE RANDOM ACCESS MEMORY LT=128 MB								
8,542,320,015	ELEC IC, MEM, DYNAMIC READ/WRITE, NT OVR 1 GB						140,800,878	194,741,437	
8,542,320,020	DYNAMIC READ-WRITE RANDOM ACCESS GT 128 LT=256MB								
8,542,320,021	DRAM GT 256 LT=512MB								
8,542,320,022	DRAM GT 512MB LT=1GB								
8,542,320,023	DRAM OVER 1 GB								18,252,989
8,542,320,024	ELEC IC, MEMORY,DRAM, GT 1 GB						382,570,108		
8,542,320,040	STATIC READ-WRITE RANDOM ACCESS (SRAM)						79,425,517	51,410,030	
8,542,320,050	ELECTRICALLY ERASABLE PROGRAMBLE READ-ONLY MEMORY						1,528,337,759	1,091,308,634	
8,542,320,060	ERASABLE (EXP ELECIC) PROGRAMMABLE READ ONLY MEM						637,912	276,086	
8,542,320,070	ELECTRONIC INTEGRATED CIRCUIT MEMORIES,NESOI						26,683,530	7,172,541	
8,542,330,000	ELECTRONIC INTEGRATED CIRCUITS, AMPLIFIERS						35,654,570	104,559,601	
8,542,390,000	ELECTRONIC INTEGRATED CIRCUITS, NESOI						1,125,746,807	661,543,815	
8,542,400,075	HYBRID INTEGRATED CIRCUITS, WITH AN OPERATING FREQ	10,000,656							
8,542,400,095	HYBRID INTEGRATED CIRCUITS, NESOI	5,336,058							
8,542,500,000	ELECTRONIC INTEGRATED CIRCUITS ,NESOI, AND MICROAS	12,152,884							
8,542,600,075	HYBRID INTEGRATED CIRCUITS,WITH FREQUENCY GE 30MHZ		9,157,802	4,373,624	5,279,282	12,228,793	25,931,301		
8,542,600,095	HYBRID INTEGRATED CIRCUITS, NESOI		5,929,281	8,587,750	17,522,012	29,720,862	15,560,253		
8,542,700,000	ELECTRONIC MICROASSEMBLIES		7,790,164	16,037,045	29,705,244	21,398,955	86,774,499		
8,542,900,000	PARTS FOR ELECTRONIC INTEGRATED CIRCUITS AND MICRO	31,502,834	37,861,093	49,412,030	79,634,758	74,208,476	91,922,673	132,595,996	100,896,948
8,543,100,000	PARTICLE ACCELERATORS, NESOI							18,388,159	6,140,995
8,543,110,000	ION IMPLANTERS DESIGNED FOR DOPING SEMICONDUCTOR W	11,763,379	7,779,129	33,623,330	55,702,628	42,894,597	63,548,286		
8,543,190,000	PARTICLE ACCELERATORS, NESOI	1,694,878	1,229,512	2,894,074	2,376,117	3,775,384	4,558,641		
8,543,200,000	SIGNAL GENERATORS	9,296,264	8,937,710	8,092,836	10,941,950	6,559,900	6,948,025	20,072,517	10,789,068
8,543,702,000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI							7,766,897	3,083,493
8,543,706,000	ART. FOR CONNECTN TO TELEGRAPH/TELEPHON APP/NETWORKS							2,561,162	4,123,509
8,543,891,000	PVD APPARATUS FOR PROCESS OF SEMICONDUCTOR MATS		46,523,808	56,083,803	183,000,000	48,359,809	69,955,589		
8,543,892,000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI		5,340,432	7,539,841	4,360,884	1,722,251	4,668,395		
8,544,700,000	INSULATED OPTICAL FIBER CABLES WITH INDIVIDUALLY S	9,032,731	13,300,660	8,283,699	5,827,603	6,430,271	7,289,679	12,257,613	19,875,054
8,802,110,030	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH		1,533,135	382,989	2,302,305	2,266,871	423,144	1,155,187	1,401,783
8,802,110,045	NEW HELICOPTERS, NON-MILITARY, UNLND WT 998-2000KG			388,000		886,000	2,498,000		
8,802,120,040	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH	16,833,698				20,554,655	4,500,000	39,087,476	9,375,000
8,802,300,030	NEW MULTIPLE ENGINE AIRPLANES, NON-MILITARY, OF AN	6,999,000	3,200,000			6,036,780	2,500,000		
8,802,300,040	NEW TURBOFAN POWERED AIRPLANES, NON-MILITARY, OF A	58,978,831	63,750,057			46,741,606	14,818,000	61,217,839	53,405,525
8,802,300,050	NEW MULTI ENG PLANES,NOT TURBOFAN,(4536-15000 KG)					5,350,000	18,046,124		19,047,000
8,802,400,040	NEW AIRCRAFT PASSENGER TRANSPORTS, NON-MILITARY, O	1,478,048,624	1,940,000,000	1,890,000,000	1,490,000,000	3,092,489,311	3,906,501,455	5,024,234,810	3,230,261,699
8,802,400,060	NEW AIRCRAFT CARGO TRANSPORTS, NON-MILITARY, OF AN	589,979,562	1,000,000,000			442,657,188	1,073,000,483	958,826,280	770,422,208
8,802,603,000	COMMUNICATIONS SATELLITES								
8,803,100,010	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	4,415,455	1,493,062	1,499,321	692,116	2,503,055	7,534,827	2,922,368	10,829,085
8,803,100,015	PROPS & RTRS & PARTS FOR CVL ARCT, FOR DOD OR USCG								
8,803,100,030	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN								
8,803,100,050	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN	405,050	1,660,891	2,005,918	89,617	147,629	647,668	517,612	
8,803,100,060	PROPLLRS & ROTORS & PARTS THEREOF FOR MILITARY AIR								
8,803,200,010	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	4,033,689	5,695,360	6,167,223	12,691,593	18,709,443	33,603,032	35,339,504</	

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
8,803,300,060	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN								380,844
8,803,903,000	PARTS OF COMMUNICATIONS SATELLITES	96,234	108,304	283,257	230,722	697,595	269,294	1,068,578	443,445
8,805,200,000	GROUND FLYING TRAINERS AND PARTS THEROF	849,432							
8,805,210,000	AIR COMBAT SIMULATORS AND PARTS THEREOF			26,500	79,910	72,920	53,000	28,449	97,470
8,805,290,000	GROUND FLYING TRAINERS AND PARTS THEREOF, NESOI		13,010,206	524,271	316,022	659,327	367,259	757,621	3,006,134
9,001,100,000	OPTICAL FIBERS, OPTICAL FIBER BUNDLES AND CABLES E	47,480,974	3,439,906	5,127,902	3,059,155	5,484,464	20,989,137	45,113,627	64,125,560
9,001,100,030	OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR								
9,001,100,070	OPTICAL FIBERS EXCEPT OF PLASTIC, NESOI								
9,001,100,085	OPTICAL FIBERS BUNDLES AND CABLE OTHER THAN THOSE								
9,001,901,000	LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESOI	2,052,844	2,379,860	2,295,489	3,627,856				
9,001,904,000	LENSES, UNMOUNTED, NESOI								
9,001,905,000	PRISMS, UNMOUNTED, NESOI								
9,001,906,000	MIRRORS, UNMOUNTED, NESOI								
9,001,909,000	OPTICAL ELEMENTS, UNMOUNTED, NESOI								
9,002,902,000	PRISMS MOUNTED, NESOI								
9,002,904,000	MIRRORS MOUNTED, NESOI								
9,002,909,000	OPTICAL ELEMENTS, NESOI								
9,005,100,020	PRISM BINOCULARS FOR USE WITH INFRARED LIGHT			29,559	341,855	36,491			54,480
9,005,804,020	OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT		15,585	3,730	354,028	11,100	8,892	134,893	47,275
9,005,804,040	OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI	86,460	36,926	280,170	257,533	375,841	770,534	1,167,568	711,844
9,006,610,040	DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE OF								
9,007,914,000	PARTS FOR CAMERAS								
9,010,410,000	DIRECT WRITE-ON-WAFER APPARATUS			65,000	39,776	52,122	13,368		
9,010,410,040	E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN								
9,010,410,080	DIRECT WRT WAFER APPT, FOR PROJ OF CIRCUIT, NESOI								
9,010,420,000	STEP AND REPEAT ALIGNERS FOR THE PROJECTION OF CIR		515,199	607,451	1,093,875	101,730	3,597,864		
9,010,490,000	APPARATUS FOR THE PROJECTION OF CIRCUIT PATTERNS O	670,472	873,615	89,705	2,012,590	3,213,351	4,107,999		
9,011,100,000	STEREOSCOPIC MICROSCOPES	404,893	211,325	595,828	1,008,443	435,426	487,179	248,792	363,673
9,011,104,000	STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE								
9,011,108,000	STEREOSCOPIC MICROSCOPES, NESOI								
9,011,200,000	MICROSCOPES, FOR MICROPHOTOGRAPHY&CINEMA ETC,NESI	208,632	145,587	157,726	384,657	98,570	693,491	755,484	795,266
9,011,204,000	MICROSCOPES, WITH MEANS TO PHOTOGRAPH THE IMAGE								
9,011,208,000	MICROSCOPES, EXC WITH MEANS TO PHOTOGRAPH IMAGE								
9,011,800,000	OTHER COMPOUND OPTICAL MICROSCOPES, NESOI	1,295,931	1,168,908	437,659	482,924	1,476,953	917,595	1,274,840	1,267,601
9,011,900,000	PARTS AND ACCESSORIES FOR COMPOUND OPTICAL MICROSC	1,418,594	632,683	569,933	537,879	673,381	2,018,804	565,399	666,386
9,012,100,000	MICROSCOPES OTHER THAN OPTICAL MICROSCOPES; DIFFRA	1,995,410	2,173,503	5,404,932	5,439,820	9,647,900	9,294,344	12,617,035	10,285,650
9,012,900,000	PARTS AND ACCESSORIES FOR MICROSCOPES OTHER THAN O	3,080,300	2,766,664	4,700,467	2,010,180	2,557,429	1,353,193	1,902,486	2,921,786
9,013,103,000	TELESCOPIC SIGHTS FOR RIFLE, NESOI								
9,013,104,000	PERISCOPES, TELESCOPES DESIGNED TO FORM PARTS OF M	37,513	52,848	14,033	8,400	240,344	21,685	51,546	34,585
9,013,200,000	LASERS, OTHER THAN LASER DIODES	12,472,437	24,921,296	20,834,419	25,199,330	27,932,304	34,407,417	57,436,982	45,580,319
9,013,800,000	OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOI	5,873,729	3,864,701	8,756,018	5,056,448	16,261,965	9,367,202	10,766,745	17,750,916
9,014,101,000	OPTICAL DIRECTION FINDING COMPASSES								
9,014,106,040	GYROSCOPIC COMPASSES, OTHER THAN ELECTRICAL FOR US	40,200			3,354	4,230			
9,014,106,080	GYROSCOPIC COMPASSES, EXC ELEC, EXC CIVIL AIRCRAFT								
9,014,107,030	GYROSCOPIC ELECTRICAL DIRECTION FINDING COMPASSES								
9,014,107,040	GYROSCOPIC COMPASSES, ELECTRICAL FOR USE IN CIVIL	65,330	43,276	91,436	36,327	33,804	86,435	100,138	43,029
9,014,107,060	OTHER ELECTRICAL DIRECTION FINDING COMPASSES								
9,014,107,080	GYROSCOPIC COMPASSES, ELECTRICAL, EXCEPT FOR USE I	199,396	1,328,342	323,458	4,507	37,721	6,293	33,328	
9,014,109,080	DIRECTION FINDING COMPASSES, EXCEPT FOR USE IN CIV		5,345	102,987	11,290				
9,014,202,000	OPTICAL INSTRUMENTS AND APPLIANCES FOR AERONAUTICA	253,083	79,377	84,903	83,555	16,952	221,522	559,257	465,655
9,014,204,000	AUTOMATIC PILOTS FOR AERONAUTICAL OR SPACE NAVIGAT	6,177,954	1,945,437	2,729,898	879,037	1,935,593	1,167,397	4,385,720	3,346,576
9,014,206,000	ELECTRICAL INSTRUMENTS AND APPLIANCES FOR AERONAUT	3,488,121	770,641	1,367,093	1,620,754	2,276,988	3,570,965	5,481,568	
9,014,208,040	INSTRUMENTS AND APPLIANCES FOR USE IN CIVIL AIRCRA	4,353,859	4,056,585	4,998,598	5,848,347	6,916,561	8,575,591	21,083,163	18,144,385
9,014,208,080	INSTRUMENTS AND APPLIANCES FOR AERONAUTICAL OR SPA	37,910	63,981	13,134	160,476	109,678	250,088	228,889	30,701
9,014,801,000	OTHER OPTICAL INSTRUMENTS FOR NAVIGATION, NESOI								
9,014,802,000	SHIP LOGS AND DEPTH-SOUNDING APPARATUS FOR NAVIGA	164,735	259,311	488,965	447,873	59,938	87,495	52,232	598,611
9,014,804,000	OTHER ELECTRICAL INSTRUMENTS AND APPLIANCES FOR NA								
9,014,805,000	OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES, NES								
9,014,900,000	PARTS & ACCESSORIES FOR DIRECTION FINDING COMPASSE	3,472,416	2,689,193	2,172,367	1,405,806				
9,014,902,080	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS								
9,014,904,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS								
9,014,906,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS								
9,015,100,000	RANGEFINDERS	1,384,710	100,750	14,498	1,679,423	875,548	1,329,310	1,400,559	541,634
9,015,104,000	ELECTRICAL RANGEFINDERS								
9,015,108,000	RANGEFINDERS, EXCEPT ELECTRICAL								
9,015,204,000	ELECTRICAL THEODOLITES AND TACHYMETERS								
9,015,304,000	ELECTRICAL SURVEYING LEVELS								
9,015,400,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS & APPLNCS					393,658	135,307	503,839	657,647
9,015,404,000	ELECTRICAL PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS								
9,015,408,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS AND APPLIA								
9,015,802,000	OPTICAL INSTRUMENTS AND APPLIANCES FOR SURVEYING	1,381,903	327,871	365,999	441,786	770,225	912,361	1,126,597	667,275
9,015,806,000	SEISMOGRAPHS								
9,015,808,040	GEOPHYSICAL INSTRUMENTS AND APPLIANCES, NESOI	32,693,531	22,708,221	47,632,338	41,856,856	30,084,394	52,167,064	48,631,373	60,435,829
9,015,808,080	OTHER SURVEYING INSTRUMENTS AND APPLIANCES, EXCLUD	5,011,611	8,842,324	5,485,140	9,846,536	12,954,401	10,730,943	26,373,832	29,206,806
9,015,900,000	PARTS AND ACCESSORIES FOR SURVEYING	10,844,342	7,549,038	20,101,741	18,328,599				
9,017,205,000	PATTERN GENERATION APPTS DESIGNED TO PRODUCE MASKS	7,502,561	3,334,955	903,706	4,967,527	9,055,236	6,477,233		
9,017,207,000	OTHER DRAWING, MARKING-OUT OR MATHEMATICAL CALUCLA								
9,017,208,040	HAND OPERATED INPUT DEVICES WHICH TRANSMIT POSITIO	4,072,280	5,399,397	9,896,497	5,367,873	5,535,850	4,726,568	9,497,841	4,686,184
9,018,110,040	ELECTROCARDIOGRAPHS	6,390,990	3,820,437	1,372,046	1,553,578	4,595,734	2,780,414	3,661,443	
9,018,113,000	ELECTROCARDIOGRAPHS								
9,018,116,000	PRINTED CIRCUIT ASSEMBLIES FOR ELECTROCARDIOGRAPHS								
9,018,119,000	PARTS AND ACCESSORIES FOR ELECTROCARDIOGRAPHS,NESOI								
9,018,120,000	ULTRASONIC SCANNING APPARATUS	29,133,958	25,582,824	49,353,971	62,018,393	65,933,512	68,327,370	108,533,573	111,541,023
9,018,130,000	ELECTRO-DIAGNOSTIC APPARATUS, MAGNETIC RESONANCE	29,441,968	19,768,895	20,385,180	26,957,244	49,527,529	22,284,742	22,278,249	32,590,483
9,018,140,000	ELECTRO-DIAGNOSTIC APPARATUS, SCINTIGRAPHIC APPARA	1,916,711	2,308,802	2,387,178	4,869,013	6,512,516	3,022,647	4,601,480	6,069,055
9,018,194,000	ELECTRO-DIAGNOSTIC APPARATUS FOR FUNCTIONAL EXPLOR	5,792,487	8,907,740	20,326,862	20,119,828	17,644,150	16,542,327	16,115,836	18,265,645
9,018,195,500	PATIENT MONITORING SYSTEMS	18,150,448	14,682,420	20,870,529	16,771,439	16,521,623	13,643,508	16,036,858	25,246,383
9,018,197,500	PRINTED CIRCUIT ASSEMBLIES FOR PARAMETER ACQUISITI	134,120	483,313	437,021	3,015,423	1,536,352	3,931,712	6,859,694	7,482,337
9,018,199,535	ELECTROENCEPHALOGRAPHS (EEG) AND ELECTROMYOGRAPHS	884,976	1,087,276	1,338,356	1,157,469	3,315,867	4,385,077	2,634,362	1,966,978
9,018,199,550	OTHER ELECTRO-DIAGNOSTIC APPARATUS, NESOI	2,639,836	1,584,447	5,457,797	13,524,338	15,406,475	14,746,786	20,667,269	15,787,754
9,018,199,560	PART AND ACCESSORIES FOR ELECTRO-DIAGNOSTIC APPARA	16,751,859	22,183,230	23,075,765	19,359,462	28,091,274	31,379,726	48,901,340	62,902,155
9,018,500,000	OTHER OPHTHALMIC INSTRUMENTS AND APPLIANCES AND PA	6,074,997	8,306,631	12,802,231	19,882,622	17,246,414	9,452,786	11,107,437	15,857,854
9,018,901,500	OPTICAL INSTRUMENTS AND APPLIANCES AND PARTS AND A	3,042,768	742,399	832,601	2,517,266	4,696,712	1,211,830	1,988,444	3,841,124
9,018,903,000	ANESTHETIC INSTRUMENTS AND APPLIANCES AND PARTS AN	5,319,618	4,350,806	3,329,983	5,936,095	7,262,638	6,211,795	9,568,692	13,588,542
9,018,906,000	ELECTRO-SURGICAL INSTRUMENTS AND APPLIANCES AND PA	12,040,839	9,121,620	7,891,651	10,478,052	13,684,045	20,657,972	22,460,286	33,744,093
9,018,906,800	DEFIBRILLATORS								
9,018,907,040	PRINTED CIRCUIT ASSEMBLIES FOR DEFIBRILLATORS OF S								
9,018,907,060	ULTRASONIC THERAPEUTIC APPLIANCES AND INSTRUMENTS	10,154	113,629	24,013	16,600	84,948	77,729	330,801	616,463
9,018,907,080	OTHER THERAPEUTIC APPLIANCES AND INSTRUMENTS, EXCE	1,324,654	1,151,944	2,783,458					

© CW McMillion/MBG Information Services

US Exports of Advanced Technology Products to China

Code	ATP Commodity Description	Export 2001	Export 2002	Export 2003	Export 2004	Exports 2005	Exports 2006	Export 2007	Export 2008
9,019,106,000	PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS								
9,019,200,000	OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, AR	3,983,432	4,053,477	6,888,579	6,638,284	4,682,544	15,349,870	9,231,431	18,863,287
9,021,100,090	ORTHOPEDIC OR FRACTURE APPLIANCES & PTS, NESOI		921,580	853,123	604,107	626,666	634,546	1,347,485	1,661,175
9,021,110,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	1,978,373							
9,021,198,500	OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS	242,501							
9,021,300,000	OTHER ARTIFICIAL PARTS OF THE BODY AND PARTS AND AC	279,192							
9,021,310,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES		2,330,312	3,214,007	5,584,552	12,195,476	12,407,971	12,226,067	17,997,624
9,021,390,000	OTH ARTIFICIAL PTS OF THE BODY & PTS & ACCESSORIES		984,492	4,101,388	9,613,799	9,141,370	19,913,608	27,353,210	28,849,678
9,021,400,000	HEARING AIDS, EXCLUDING PARTS AND ACCESSORIES	484,635	1,724,185	1,475,562	1,556,197	2,691,387	4,410,011	16,653,188	19,671,098
9,021,904,080	PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN	16,959	13,518	22,200	321,560	638,351	410,304	1,476,582	2,305,251
9,022,120,000	PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI								
9,022,120,000	APPRTUS BASED USE OF X-RAYS FOR MEDICAL, SURGICAL,	21,709,308	19,128,798	18,839,678	20,387,223	45,809,483	36,602,448	29,078,434	39,621,127
9,022,130,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	43,288	142,911	212,262	359,700	611,536	611,678	277,178	415,871
9,022,140,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	70,044,186	52,460,023	99,881,340	64,141,535	62,574,446	56,649,054	75,446,452	49,366,857
9,022,180,000	APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE	12,028,582	1,636,421	7,089,289	11,359,718	9,082,152	25,465,088	28,058,906	27,985,552
9,022,210,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	2,137,057	2,537,122	3,417,103	1,728,442	5,544,014	2,910,657	2,047,102	2,877,328
9,022,298,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA	1,130,473	1,326,116	1,445,399	2,598,144	3,613,980	5,941,913	3,118,296	7,916,559
9,022,300,000	X-RAY TUBES	14,212,460	15,324,676	17,748,181	20,013,860	18,256,311	19,158,222	24,036,404	28,875,848
9,022,900,500	RADIATION GENERATOR UNITS								
9,022,902,000	HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC	1,415,557	891,344	1,285,599	1,100,919	1,424,736	1,670,379	1,452,469	2,599,848
9,022,904,000	PARTS AND ACCESSORIES OF X-RAY TUBES	182,919	833,346	1,640,618	1,398,275	2,411,369	1,940,114	1,832,072	1,334,090
9,022,907,000	PARTS AND ACCESSORIES OF SMOKE DETECTORS, IONIZATI								
9,022,909,500	PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS,								
9,024,100,000	MACHINES AND APPLIANCES FOR TESTING METALS	4,630,612	11,850,448	10,490,780	13,556,530	11,965,344	22,976,629	22,829,439	29,849,270
9,024,800,000	OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD	24,292,812	25,134,614	37,529,022	43,091,753	53,174,972	43,820,288	44,355,139	54,537,331
9,024,900,000	PARTS AND ACCESSORIES FOR MACHINES & APPLIANCES FO	11,240,920	15,164,697	27,109,479	26,972,435	21,382,942	32,059,315	14,600,732	24,639,343
9,027,202,000	GAS CHROMATOGRAPHS	9,224,418	18,663,969	13,333,688	24,789,689	28,893,268	26,122,262	33,055,186	42,108,131
9,027,205,030	ELECTRICAL ELECTROPHORESIS INSTRUMENTS	4,322,363	2,307,779	12,075,685	11,275,908	13,955,198	14,562,211	12,529,897	7,168,697
9,027,206,050	LIQUID CHROMATOGRAPHS	5,826,219	2,928,865	4,208,858	9,417,574	9,585,937	15,172,724	13,818,410	21,333,085
9,027,209,000	CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS, N	1,349,251	1,969,570	1,466,423	5,678,718	4,211,641	7,535,680	7,512,487	14,052,394
9,027,308,020	SPECTROSCOPES, EXCEPT ELECTRICAL USING OPTICAL RAD	98,000	28,500	48,914	5,500			137,682	108,533
9,027,502,000	THERMAL ANALYSIS INSTRUMENTS AND APPARATUS	7,295,587	5,009,652	9,364,380	9,986,157	16,240,569	14,152,516	20,319,903	19,969,422
9,027,504,050	ELECTRICAL PHOTOMETERS USING OPTICAL RADIATIONS	205,765	501,181	484,145	845,771	2,098,792	3,943,273	9,114,984	11,660,947
9,027,505,000	OTHER CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS,	6,192,805	8,527,681	9,354,527	26,012,654	30,377,451	36,467,460	52,673,776	78,445,903
9,027,509,000	INSTRUMENT AND APPARATUS FOR PHYSICAL OR CHEMICAL	14,518,065	10,735,698	14,476,580	16,246,722	22,129,032	25,381,746	24,918,583	39,951,948
9,027,801,000	NUCLEAR MAGNETIC RESONANCES INSTRUMENTS AND APPARA	2,011,568	1,087,232	1,618,768	1,669,127	1,845,107	2,171,784		
9,027,802,000	MASS SPECTROMETERS	9,648,647	13,023,075	17,287,049	24,649,466	24,312,372	42,532,955		
9,027,802,500	NUCLEAR MAGNETIC RESONANCES INST EXC HEADING 9018							2,717,408	1,645,209
9,027,802,600	MASS SPECTROMETERS							54,472,223	92,956,405
9,027,803,100	ELECTROCHEMICAL INSTRUMENTS AND APPARATUS,	3,919,593	4,178,334	5,516,584	3,800,214	7,274,024	8,463,641	8,529,962	14,642,812
9,027,803,200	CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS, NESOI	13,885,599	13,298,146	11,504,593	11,182,382	14,652,071	14,344,912	15,365,570	15,128,162
9,027,808,000	INSTRUMENTS AND APPARATUS FOR MEASURING/CHECKING V	14,259,497	14,868,447	20,812,677	20,638,755	18,788,123	22,471,345	19,928,566	32,215,756
9,027,902,000	MICROTOMES	27,539	107,767	281,847	141,531	873,198	1,742,420	1,275,016	2,050,380
9,027,905,430	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	1,680,424	1,218,890	1,562,272	5,898,984	13,694,238	7,490,967	13,831,486	11,157,783
9,027,905,440	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND	72,175	238,631	151,488	749,522	1,318,706	546,988	628,591	252,004
9,027,908,950	PARTS AND ACCESSORIES OF INSTRUMENTS & APPARATUS F	32,627,936	28,975,006	38,937,226	34,610,219	51,460,986	67,698,928	86,890,370	90,867,501
9,029,200,000	STROBOSCOPES	8,187	21,092	84,318	128,120	136,936	174,743	240,698	336,349
9,030,100,000	INSTRUMENTS AND APPARATUS FOR MEASURING OR DETECTI	7,652,841	6,313,487	5,425,295	5,410,949	9,208,514	15,449,291	16,675,697	31,627,459
9,030,200,000	CATHODE-RAY OSCILLOSCOPES AND CATHODE-RAY OSCILLOG	10,767,873	5,017,850	3,552,910	3,035,293	5,063,068	1,814,559		
9,030,200,500	OSCILLOSCOPES AND OSCILLOGRAPHS, TELECOMMUNICATION							14,829,926	
9,030,201,000	OSCILLOSCOPES AND OSCILLOGRAPHS, EXCEPT TELECOMM								17,848,734
9,030,201,500	OSCILLOSCOPES AND OSCILLOGRAPHS								3,725,829
9,030,310,000	MULTIMETERS	5,400,605	5,120,295	4,403,972	5,186,104	4,584,043	4,769,298	4,358,386	2,569,695
9,030,320,000	MULTIMETERS, WITH A RECORDING DEVICE							2,569,695	1,878,376
9,030,330,040	APPARATUS TO TEST VOLT/CURRENT/RESISTANCE W/O REC							13,517,515	16,257,001
9,030,330,080	INST&APPTS FOR MEASURING/CHECKING POWER, NESOI							9,559,729	11,106,550
9,030,390,040	APPARATUS TO TEST VOLTAGE OR CURRENT OR RESISTANCE	13,043,580	12,555,221	17,051,258	17,075,496	27,902,346	36,148,308		
9,030,390,080	OTHER INSTRUMENTS AND APPARATUS FOR MEASURING OR C	16,154,966	13,394,147	10,816,508	16,193,910	18,917,071	20,261,359		
9,030,400,000	OTHER INSTRUMENTS AND APPARATUS, SPECIALLY DESIGNE	17,304,868	46,674,553	41,940,799	68,014,545	50,593,644	57,715,548		
9,030,820,000	INSTR AND APPAR FOR MEASURING OR CHECKING SEMICOND	32,512,585	52,610,302	54,718,880	132,000,000	103,401,892	191,332,109	76,001,484	70,409,962
9,030,906,400	PRINTED CIRCUIT ASSEMBLIES OF INSTRUMENTS AND APPA							154,596,668	81,974,320
9,030,906,800	PRINTED CIRCUIT ASSEMBLIES EXCEPT FOR 9030.10.NESOI								
9,031,410,000	OPTICAL INSTRUMENTS FOR INSPECTING SEMICONDUCTOR	34,282,128	52,845,847	45,908,594	110,000,000	76,832,966	116,449,020	116,708,724	58,145,649
9,031,410,020	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING								
9,031,410,040	OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSP								
9,031,410,060	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING								
9,031,494,000	COORDINATE-MEASURING MACHINES	5,029,152	9,450,054	12,176,943	15,134,734	17,960,595	20,371,528	21,736,173	
9,031,804,000	ELECTRON BEAM MICROSCOPES FITTED WITH EQUIPMENT SP								
9,031,808,060	EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O	4,103,021	3,961,004	7,772,396	10,251,483	13,861,568	11,288,827	14,084,416	13,236,680
9,031,900,000	PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA	11,841,611	16,479,613	19,491,653	33,997,118	38,124,726	44,010,867	38,563,368	50,378,304
9,032,100,000	THERMOSTATS	905,505	2,140,878	4,456,426	5,408,525	5,154,223	3,144,448	5,065,479	4,365,459
9,032,100,030	THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT								
9,032,100,060	THERMOSTATS AIR COND, REFG/HEAT SYS EXC WALL MOUNT								
9,032,100,090	THERMOSTATS, NESOI								
9,032,810,040	HYDRAULIC OR PNEUMATIC INDUSTRIAL PROCESS CONTROL	901,493	2,705,515	715,234	3,647,238	3,868,859	4,689,935	5,724,611	7,151,586
9,032,810,080	HYDRAULIC AND PNEUMATIC INSTRUMENTS AND APPARATUS	1,140,480	1,869,870	1,948,798	2,129,685	2,029,383	4,778,566	3,298,882	6,397,888
9,032,893,000	AUTOMATIC VOLTAGE AND VOLTAGE-CURRENT REGULATORS	615,705	8,346,381	2,541,343	3,288,352	2,245,195	5,483,743	2,211,027	3,584,651
9,032,896,020	CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER	2,597,414	5,109,760	6,163,238	5,734,321	7,259,627	12,293,485	14,206,775	16,533,177
9,032,896,030	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMF	10,986,156	7,704,565	10,387,031	11,652,473	7,556,857	8,681,148	18,196,935	22,475,047
9,032,896,040	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR TEMP	1,288,601	2,213,347	3,149,208	3,766,477	4,053,485	7,228,322	8,789,262	9,023,343
9,032,896,050	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES	532,851	932,465	1,481,329	3,553,066	6,109,598	8,680,572	9,566,396	9,788,846
9,032,896,060	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR FLOW	589,095	2,634,379	1,952,960	3,537,221	3,754,709	7,296,136	9,408,745	7,010,547
9,032,896,070	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR HUMI	98,260	5,000	1,109,672	172,442	344,896	377,795	311,712	259,646
9,032,896,075	OTHER PROCESS CONTROL INSTRUMENTS AND APPARATUS, N	7,332,441	12,370,788	16,747,503	9,696,375	8,808,870	10,774,694	16,862,257	26,675,017
9,301,200,000	ROCKET LAUNCHERS & SIMILAR PROJECTORS (MIL)			8,296					</

© CW McMillion/MBG Information Services

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
3,818,000,000	CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONICS, IN								
3,818,000,010	GALLIUM ARSENIDE WAFERS, DOPED	53,530	1,138,949	23,464,071	19,699,388	14,034,043	20,032,223	15,594,475	19,474,811
3,818,000,090	OTHER CHEMICAL ELEMENTS DOPED FOR USE IN ELECTRONI	5,484,211	3,665,508	12,299,665	12,011,277	14,854,731	19,556,367	20,430,899	28,669,416
8,401,100,000	NUCLEAR REACTORS						92,495		
8,401,200,000	ISOTOPI SEPARATION MACHINERY AND APARATUS AND PAR							5,144	
8,401,300,000	FUEL ELEMENTS (CARTRIDGES), NON-IRRADIATED FOR NUC								
8,401,400,000	PARTS OF NUCLEAR REACTORS	9,216		18,500	19,043	3,000	3,400		
8,411,114,000	TURBOJET AIRCRAFT ENGINES, THRUST NOT EXCEED 25 KN								
8,411,114,010	TURBOJET AIRCRAFT TURBINES (ENGINES) FOR USE IN CI								
8,411,114,050	TURBOJET A/C TURBINES EXC CIVIL, THRUST LE 25 KN								
8,411,124,000	TURBOJET AIRCRAFT ENGINES, THRUST EXCEEDING 25 KN			5,227,484	12,400,000		1,775,000		
8,411,124,010	TURBOJET TBN FOR CIVIL AIRCRAFT, THRUST OV 25 KN								
8,411,214,010	TURBOPROPELLER A/C TBN, CIVIL, POWER NOT OV 1100KW								
8,411,224,000	TURBOPROPELLER AIRCRAFT ENGINES, POWER EXC 1100 KW					76,650			
8,411,224,010	TURBOPROPELLER A/C TBN, POWER OVER 1100 KW								
8,411,814,000	GAS TURBINE A/C ENGINES, NESOI, POWER NOT EXC 5000KW					750,000		1,200,000	
8,411,814,010	GAS TURBINE A/C TBN FOR CIVIL A/C, 5000 KW AND UND								
8,411,824,010	GAS TURBINE A/C TURBINE FOR CIVIL A/C, OVER 5000 K								
8,411,824,050	AIRCRAFT TURBINES (ENGINES), EXCEPT FOR USE IN CIV								
8,411,917,010	PARTS OF TURBOJETS AND TURBOPROPELLER AIRCRAFT EN								
8,411,917,050	PARTS OF TURBOJET AND TURBOPROPELLER AIRCRAFT ENGI								
8,411,919,080	PARTS, NESOI, OF TURBOJET OR TURBOPROPELLER AIRCRA	25,414,570	24,805,157	27,590,522	52,721,761	68,893,841	97,170,317	143,134,098	179,891,172
8,411,997,010	PARTS OF GAS TURBINE AIRCRAFT ENGINES FOR USE IN C								
8,411,997,050	PARTS OF GAS TURBINE AIRCRAFT ENGINES, OTHER THAN								
8,411,999,090	PARTS, NESOI, OF AIRCRAFT GAS TURBINES, EXCEPT TURBO	3,174,644	3,586,293	4,133,294	6,384,189	7,911,907	8,841,330	10,904,316	13,727,899
8,424,893,000	SPRAYING APPLIANCES FOR ETCHING, STRIPPING OR CLEA	804,970		102,140	8,000	5,692	43,719		
8,424,895,000	SPRAYING APPLIANCES DEVELOPING SEMICONDUCTOR WAFER					335,435	461,276		
8,427,108,060	AUTOMATED GUIDED VEHICLES (AGV) FITTED WITH LIFTIN					2,813			216,300
8,428,900,010	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O	64,594	168,458		10,000	720,354	335,060		
8,428,900,015	INDUSTRIAL ROBOTS FOR LIFTING, HANDLING, LOADING O							180,877	1,195,747
8,428,900,120	INDUSTRIAL ROBOT, LIFTING, HANDLG, LOAD/UNLOAD, NESOI							2,509,695,229	2,812,700,826
8,443,310,000	MACH PRFM GT=2 FUNCT PRINT/CPY/FAX; USE W/ ATP/NTW							665,121,705	835,010,035
8,443,321,010	PRINTERS, NESOI, LSR CPBLE OF PRODCNG GT 20PGS/MIN							702,602,390	198,289,333
8,443,321,020	LASER PRINTERS, PRDCNG LT 20 PGS/MIN							118,331,258	37,862,333
8,443,325,000	FAX/COPY MACH CAPABLE OF CONNECTING TO ADP/NETWORK							309,195,982	
8,443,992,000	PRNTR PARTS FOR SUBHEAD 8443.32.10 US NOTE 2 CH 84							146,441,861	303,400,665
8,443,992,010	INK CART FOR PRINT OF SUBHD 8443.32.10 USN 2 CH 84							221,865,346	450,118,450
8,443,992,050	PRINT PRT FOR SUBHEAD 8443.32.10 USN 2 CH 84 NESOI								
8,443,992,210	INK CARTRIDGES FOR GOODS OF 8443.31 AND PRINTERS								
8,443,992,250	PARTS/ACCESS FOR GOODS OF 8443.31 & PRINTERS NESOI							376,791,279	
8,443,992,500	PARTS AND ACCESSORIES OF PRINTER, NESOI							43,677,813	102,227,736
8,443,992,510	INK CARTRIDGES FOR PRINTERS, NESOI							423,829,699	797,334,778
8,443,992,550	PARTS AND ACCESSORIES OF PRINTERS, NESOI							16,252,609	7,532,036
8,443,993,000	FACSIMILE MACHINE PARTS SPECIFIED IN U.S. NOTE 7							24,785,198	38,146,294
8,443,993,500	FACSIMILE MACHINE PARTS, NESOI								
8,443,995,000	PARTS & ACCESSORIES FOR PRINTING MACHINERY, NESOI								
8,443,995,600	PARTS AND ACCESSORIES OF OTHER PRINTERS ETC, NESOI								
8,456,100,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL								
8,456,100,020	LASER OR OTHER LIGHT OR PHOTON BEAM MACHINE TOOLS								
8,456,101,010	MACHINE TOOLS FOR WORKING METAL, BY LASER OR OTHER	40,299		133,100		23,000	619,873	152,142	2,597,869
8,456,101,020	MAC TOOL, MTL WRK, LASER, LIGHT OR PHOTON BEM, EXC, N/C				55,550	71,827		129,200	94,870
8,456,106,000	MACH TOOLS USE IN SEMICONDUCTOR WAFER PRODUCTIONS		19,000		40,240				
8,456,108,000	MACHINE TOOLS OPERATED BY LASER PROCESSES, NESOI				81,939	246,704	468,683	1,068,174	1,802,187
8,456,200,000	MACHINE TOOLS FOR WORKING ANY MATERIAL BY REMOVAL								
8,456,201,050	MACHINE TOOLS FOR WORKING METAL, BY ULTRASONIC PRO	10,810			15,023			6,520	
8,456,205,000	MACH TOOLS, EXC MTL WRK, ULTRASONIC PROCESSES		38,250				67,208	9,224	
8,456,300,000	ELECTRO-DISCHARGE MACHINE TOOLS FOR REMOVING MATL								
8,456,301,020	MAC TOOL, MTL WRK, ELECTRO-DISCHRG, TRAVEL WIRE TYPE	108,055	900,160	241,423	810,564	140,600	1,779,626	7,064,299	4,742,107
8,456,301,050	MC TL, MTL WRK, ELECTRO-DISCHRG PROCES, EX TVL-WIRE, N/C	4,639,061	541,293	719,918	4,793,307	12,176,248	9,607,858	4,004,462	4,728,814
8,456,301,070	MC TL, MTL WRK, ELTRO-DISCHRG PROC, EX TVL-WIRE, EX N/C		208,846	263,234	42,170	252,928	273,870	346,463	
8,456,305,000	MACHINE TOOLS FOR WORKING MATERIAL OTHER THAN META		21,555	35,642	72,932	125,463	26,977	129,867	213,649
8,456,903,000	MC TL, MTL WK, ELTROBEAM, ION BEAM, PLMSA ARC EX N/C							1,578,912	3,587,070
8,456,907,000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI							510,956	266,529
8,456,910,000	DRY ETCHING (INCLUDING PLASMA) MACHINES DESIGNED T					586,942	1,728,292		
8,456,911,000	FOCUSED ION BEAM MILLING MACHINES TO PRODUCE OR RE						206,000		
8,456,993,005	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO								
8,456,993,040	MACHINE TOOLS FOR WORKING METAL, BY ELECTRO BEAM O				2,962		62,755		
8,456,993,060	MACHINE TOOLS FOR WORKING METAL, OF A KIND USED FO				12,750				
8,456,993,080	MACHINE TOOLS FOR WORKING METAL, BY ELECTRON BEAM,		34,600	7,800		46,630	1,088,656		
8,456,995,000	MACHINE TOOLS FOR WORKING ANY MATERIAL OTHER THAN								
8,456,997,000	MACH TOOLS FOR STRIPPING/CLEAN SEMICONDUCTOR WAFER			16,000	102,500	891,100	302,520		
8,456,999,000	MACH TL ELECTRO-CHEM, BEAM, IONIC-BEAM, PLSM NESOI	6,002	4,438	3,019	79,132	86,126	393,909		
8,457,100,015	MAC CENTR, AUTO TOOL CHNG, VERT-SPIN, Y-AXIS N/O 600MM	187,903		133,750	458,410	314,687	1,578,739	1,844,118	2,359,460
8,457,100,025	MAC CENTR, AUTO TOOL CHNG, VERT-SPIN, Y-AXIS OV 600MM	37,884	123,727			57,131	289,747	561,056	4,189,979
8,457,100,035	MACHING CENTERS, AUTO TOOL CHNG, EXCEPT VERTICAL								
8,457,100,036	HORIZONTAL MACHING CENTERS WITH ATC								
8,457,100,039	MACHING CENTERS, AUTO TOOL CHNG, NESOI								
8,457,100,055	MACHING CENTERS, AUTO TOOL CHNG, HORIZONTAL-SPINDLE							116,780	195,500
8,457,100,060	HORIZONTAL SPINDAL MACHINES (685MM-1016MM)		165,870						
8,457,100,065	HORIZONTAL SPINDAL MACHINES GT 1016 MM						1,959,660	1,726,100	3,158,599
8,457,100,070	MACHING CENTERS, AUTO TOOL CHNG, NESOI				88,902	89,502		429,503	
8,457,200,010	UNIT CONSTRUCTION MACHINES (SINGLE STATION), N/C								
8,457,300,010	MULTISTATION TRANSFER MACHINES, N/C						35,000	1,175,945	
8,458,110,010	HORIZONTAL LATHES, MULTIPLE SPINDLE, METAL REMOVIN						10,000	452,719	26,510
8,458,110,030	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	29,500	149,150	185,500	415,842	329,880	2,381,275	14,626,473	8,182,990
8,458,110,050	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL				146,552	984,005	6,022,914	6,905,580	10,866,648
8,458,110,090	HORIZONTAL LATHES, EXCEPT MULTIPLE SPINDLE, METAL	44,665		21,400	45,320	73,084	175,705	145,833	450,000
8,458,911,060	VERTICAL TURRET LATHES, METAL REMOVING, NUMERICALL					166,134		101,942	
8,458,911,080	VERT TURT LATH, MTL REMOV, N/C, EXC MULTI SPIN, NEW							454,000	220,200
8,458,915,050	LATHES FOR REMOV MTL, N/C, MULT SPIN, NEW, NESOI								117,000
8,458,915,070	LATHES FOR REMOV MTL, N/C, EXC MULTI SPIN, NEW, NESOI	34,863						90,317	88,000
8,459,100,000	WAY-TYPE UNIT HEAD MACHINES					94,534	92,257	27,582	60,750
8,459,210,080	DRILLING MACH, METAL, N/C, NEW	172,291	66,000			94,320	548,813	61,340	662,817
8,459,310,010	BOR-MIL MACH, HORIZ, SPIN, TABLE TYP, MTL REMOV, N/C, NEW							43,175	
8,459,310,040	BOR-MIL MACH, HORIZ, SPN, EX TBL TYP, MTL REMOV, N/C, NEW						798,490	954,259	1,268,124
8,459,310,070	BOR-MIL MACH, EXC HORIZ SPIN, MTL REMOV, N/C, NEW, NESOI					34,560	62,366	398,716	102,250
8,459,400,040	BORING MAC, VERT, MTL REMOV, N/C, OVER \$3025, NEW						35,700		
8,459,400,070	BORING MACH, EX VERT, MTL REMOV, N/C, OVER \$3025, NEW								
8,459,510,080	MILLING MACHINES, KNEE TYP, METAL REMOV, N/C, NEW	13,126						5,885	42,434
8,459,610,080	MILLING MACH, EXC KNEE TYP, MTL REMOV, N/C, NEW	157,145	84,474	168,063	170,025	193,087	549,409	2,063,602	3,995,030
8,459,700,020	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C								
8,459,704,000	THREADING OR TAPPING MACHINES, METAL REMOVING, N/C								90,200
8,460,110,080	FLAT SURFACE GRINDING MACHINES, METAL REMOVING, AC				273,983		98,725	609,326	1,053,189
8,460,210,080	GRINDING MACHINES EXCEPT FLAT SURFACE, METAL REMOV				101,822		168,105	286,222	1,063,117
8,460,310,080	SHARPENING (TOOL OR CUTTER GRINDING) MACHINES, MET	104,379	39,750	39,750		87,290	40,128	82,664	155,581
8,460,400,060	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI								
8,460,404,060	HONING OR LAPPING MACHINES, METAL REMOVING, NUMERI	3,000		2,890		91,729	66,000	615,865	19,500
8,460,900,060	MAC TOOLS USING ABRASIVES, NESOI, N/C, OV \$3025, NEW								
8,460,904,060	MAC TOOLS USING ABRASIVES, NESOI, N/C, 3,025 OVER, NEW	4,989		18,960	445,460	155,800	233,693		

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,461,204,000	SHAPING OR SLOTTING MACHINES, METAL REMOVING, N/C				12,097				
8,461,300,060	BROACHING MACH, METAL REMOV, N/C, OVER \$3025, NEW						3,100		
8,461,304,060	BROACHING MACH, METAL REMOV, N/C, NEW								
8,461,500,050	SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU								
8,461,504,050	SAWING OR CUTTING-OFF MACHINES, METAL REMOVING, NU	63,732	47,281		21,337	46,810	723,672	108,407	314,227
8,461,900,040	MACHINE TOOLS WORKING BY REMOVING METAL, NESOI, NU								
8,461,903,040	PLANING MAC,METAL REMOV,NUM CTRL,OVR \$3025,NEW								
8,461,903,080	MAC TOOLS, MTL REMOV,NUM CTRL,OVS\$3025,NEW,NESOI					39,000			5,492
8,462,210,000	BEND,FOLD,FLATTEN MACH, NUMERICALLY CONTROL							2,331,002	2,670,528
8,462,210,080	BENDING, FOLDING, STRAIGHTENING OR FLATTENING MACH								
8,462,214,085	NUMERIC CONTROL MACH FR BEND SEMICONDC LEAD,NESOI						47,745		
8,462,218,085	BENDING, FOLDING, OR FLATTENING MACHINES (INCLUDIN	235,040	415,751	557,165	489,185	772,653	621,993		
8,462,310,080	SHEARING MACHINES (INC PRESSES), OTHER THAN COMBIN	55,749	14,760	69,521	268,192	24,150	3,973,218	419,028	142,283
8,462,410,080	PUNCHING OR NOTCHING MACHINES (INC PRESSES), INCLU			311,620	34,500	88,197	695,220	206,470	579,626
8,462,910,060	HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT								
8,462,914,060	HYDRAULIC PRESSES, METAL FORMING, NUMERICALLY CONT	158,169	56,661	249,193		15,750	416,843	316,921	102,886
8,462,990,030	MACHINE TOOLS (INCLUDING PRESSES) WORKING BY FORMI								
8,462,994,030	MAC, WRK BY FORM MTL, NESOI, N/C, \$3025 & OVER,NEW								87,776
8,464,100,040	SAW MACH DESIGND TO SAW BLANK SEMICONDUCTOR WAFER	20,000			29,100	219,913	420,965		
8,464,201,000	GRIND/POLISH MACH FR PROCESSING SEMICONDC TOR WAFER					89,465	678,686		
8,464,901,040	MACH TOOLS FR SCRIBING/SCORING SEMICONDUCTOR WAFER				4,800				
8,464,901,060	MACH TLS FR SCRBNB/SCRNG/ETCHNG SEMICONDUCTR WAFRS					548,000	50,000		
8,464,906,000	MACHINE TOOLS FOR WET DEVELOPING OR STRIPPING					8,369	559,386		
8,465,100,025	WOODWORKING TENONERS,NUMERICALLY CONTROLLED,NEW					375,166	93,520		
8,465,920,055	ROUTERS, NEW, NUMERICALLY, WOODWORKING MACHINES					1,460,839	1,869,631	2,185,630	1,346,251
8,465,950,020	BORING MACHINES, N/C, WOODWORKING, NEW						80,210	3,021	28,340
8,470,500,020	POINT-OF-SALE TERMINAL TYPE CASH REGISTERS	109,737,423	144,000,000	138,000,000	74,437,829	75,463,531	191,800,845	159,291,286	186,110,291
8,471,100,000	ANALOG OR HYBRID AUTOMATIC DATA PROCESSING MACHINE		31,123	750,203	10,389,641	4,551,735	7,244,793		
8,471,300,000	PORTABLE DIGITAL ADP MACHINE, WEIGHING NOT MORE TH	22,585,531	632,000,000	4,160,000,000	7,710,000,000	10,678,064,512	12,830,320,230		
8,471,300,100	PORT DGTL ADP MACH,< 10 KG,AT LEAST CPU,KBRD,DISPLY							17,023,138,610	19,220,401,253
8,471,410,035	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	8,167	167,589	10,720,743	16,416,501	21,751,008	1,920,051		
8,471,410,065	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA			930,836	493,831	19,745	2,123		
8,471,410,095	DIGITAL ADP MACH CONTAINING IN SAME HOUSING AT LEA	2,522,191	53,666,329	231,000,000	348,000,000	201,784,025	375,302,376		
8,471,410,110	DIGITAL ADP MCH W CPU & INPUT/OUTPUT CRT								
8,471,410,150	DGTAL ADP MCH W CPU INPT/OUTPT UNIT,W/O CRT,NESOI								
8,471,490,000	UNITS, NESOI, FOR ADP MACH, ENTERED IN FORM OF SYSM							259,485	1,002,907
8,471,491,035	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	236,995,976	94,653,097	83,229,376	68,298,512	316,852,530	33,022,818	1,757,072,505	1,526,337,176
8,471,491,065	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME		8,741	8,386	100,106	11,397	13,966		
8,471,491,095	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME								
8,471,491,500	COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT,WHETH	5,949,718	53,210,134	136,000,000	493,000,000	1,258,366,537	1,717,850,739		
8,471,492,400	DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V	52,762	307,267	190,505	1,081,081	216,387	1,401,497		
8,471,492,400	DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V	59,306	129,417	2,091,273	232,000,000	394,833,501	517,879,327		
8,471,492,600	COLOR CATHODE-RAY TUBE (CRT) MONITORS, ENTERED WIT					5,267,676	1,507,127		
8,471,492,900	DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT, ENT	787,639	925,786	1,706,162	12,601,108	24,130,912	55,896,607		
8,471,494,200	OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI	9,357,530	3,685,041	4,706,900	8,382,472	11,730,175	19,021,387		
8,471,494,850	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES, ENTERED	165,420	504,972	530,898	1,236,455	640,654	211,232		
8,471,494,875	ADP OUTPUT DEVICES, NESOI, ENTERED IN THE FOR OF S	54,132	121,513	22,928	507,016	14,071,587	60,881,654		
8,471,494,895	ADP INPUT UNITS, NESOI, ENTERED IN THE FORM OF SYS	1,425,475	2,542,587	9,400,326	10,457,759	12,916,647	15,460,697		
8,471,495,010	MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT=	5,600	6,853	4,431	128,000	128,000	13,966		
8,471,495,020	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	1,888,236	1,447,750	581,047	475,565	423,151	84,015		
8,471,495,040	HARD MAGNETIC DISK DRIVE UNITS, NESOI, ENTERED WIT	365,664	1,393,435	256,311	2,297,075	31,709,774	2,527,843		
8,471,495,060	DISK DRIVE UNITS, NESOI, ENTERED WITH THE REST OF	353,083	181,366	710,020	3,475,876	13,246,302	6,570,288		
8,471,495,080	OTHER STORAGE UNITS, NESOI, ENTERED WITH THE REST	124,380	139,429	232,252	913,770	266,156	950,200		
8,471,496,000	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES	791,924	2,458,628	2,943,503	10,213,388	34,457,051	26,768,781		
8,471,498,500	UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPORATION	1,757,007	685,187	515,170	500,401	272,336	2,660,034		
8,471,499,000	AUTOMATIC DATA PROCESSING UNITS,NESOI, ENTERED WIT								
8,471,499,500	UNITS, NESOI, FOR AUTOMATIC DATA PROCESSING MACHIN	59,225	549,216	283,860	3,626,503	1,469,510	1,366,748		
8,471,500,035	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME	37,482	50,078	1,033,783	261,398	64,694	55,950		
8,471,500,065	DIGITAL PROCESSING UNIT WHICH MAY CONTAIN IN SAME				30,300	8,950	14,211		
8,471,500,085	DIGITAL PROCESSING UNITS EXCLUDE SUBHEADING 8471.4	245,314,979	440,000,000	936,000,000	1,060,000,000	1,576,858,243	1,965,635,851		
8,471,500,110	DIGTL PROC UNIT W STORAGE,INPT/OTPT,CRT,NESOI							623,125	16,507
8,471,500,150	DIGTA PROC UNIT W STORAGE/INPUT/OUTPUT UNITS,NESOI							3,224,875,362	2,831,536,254
8,471,601,010	COMB INPUT/OUTPUT UNITS W/CRT, NESOI							38,280,200	4,567,534
8,471,601,035	COMBINATION INPUT/OUTPUT UNITS WITH COLOR CATHODE	811,655	1,011,657	235,840		73,210	98,550		
8,471,601,050	COMB INPUT/OUTPUT UNITS W/OUT CATHODE RAY TB,NESOI							302,251,363	216,804,871
8,471,601,065	COMBINATION INPUT/OUTPUT UNITS WITH A MONOCHROME C	292,584		3,655	19,624	134,511	59,436		
8,471,601,095	COMBINATION INPUT/OUTPUT UNITS WITHOUT A CRT,WHETH	17,431,722	30,284,333	50,999,866	19,955,281	34,360,034	40,965,835		
8,471,603,000	DISPLAY UNITS, NOT INCORPORATING A CRT, HAVING A V	18,440,173	47,933,729	174,000,000	144,000,000	47,306,155	34,489,157		
8,471,604,580	DISPLAY UNITS, NESOI, NOT INCORPORATING A CRT	223,716,078	1,320,000,000	2,870,000,000	4,870,000,000	5,232,383,747	5,232,383,747		
8,471,605,100	LASER PRINTER UNITS INCORPORATING AT LEAST THE MED	353,785,648	437,000,000	132,000,000	276,000,000	571,639,406	866,994,623		
8,471,605,200	LASER PRINTER UNITS INCORPORATING AT LEAST THE MED	163,329,064	188,000,000	99,114,042	110,000,000	156,604,226	121,267,297		
8,471,607,000	INPUT/OUTPUT UNITS, NESOI, FOR ADP MACH							50,372,702	30,731,252
8,471,607,040	OUTPUT DEVICES, NESOI, SUITABLE FOR INCORPORATION	177,519	148,187	1,610,374	7,680,603	1,565,395	274,923		
8,471,607,080	INPUT UNITS, NESOI, SUITABLE FOR PHYSICAL INCORPOR	6,112,271	8,884,430	9,606,280	8,292,052	10,713,843	8,631,820		
8,471,608,000	OPTICAL SCANNERS AND MAGNETIC INK RECOGNITION DEVI	289,156,150	297,000,000	150,000,000	156,000,000	144,885,012	160,584,508	142,385,522	171,467,846
8,471,609,030	CARD KEY AND MAGNETIC MEDIA ENTRY DEVICES	4,982,850	2,508,955	2,725,586	2,616,050	2,268,388	4,664,304	35,345,876	30,323,286
8,471,609,050	ADP INPUT/OUTPUT UNITS, NESOI							553,924,838	590,720,554
8,471,609,070	ADP OUTPUT DEVICES, NESOI	2,454,652	2,592,990	399,477	640,648	101,196	1,412,222		
8,471,609,090	ADP INPUT UNITS, NESOI	253,439,509	279,000,000	304,000,000	307,000,000	346,080,548	389,651,063		
8,471,701,000	MAGNETIC DISK DRIVE UNITS WITH A DISK DIAMETER GT=	804,907	21,198	3,302,632	2,019,154	1,128,619	17,048,711	15,123,903	2,584,697
8,471,702,000	MAGNETIC DISK DRIVE UNITS WITH AUTOMATIC DATA PROCE	1,033,579	2,191,004	4,264,748	484,817	4,263,544	3,471,022	10,858,347	19,834,364
8,471,703,000	MAGNETIC DISK DRIVE UNITS, NESOI, WITH A DISK DIAM	31,306	823,264	3,426,508	1,166,514	1,224,117	1,333,854	9,976,634	4,231,044
8,471,704,035	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	85,178,406	109,000,000	81,931,758	68,926,557	45,720,033	37,829,438	26,984,509	13,077,168
8,471,704,065	HARD MAGNETIC DISK DRIVE UNITS, NESOI, NOT ASSEMBL	321,540,522	314,000,000	425,000,000	612,000,000	1,018,524,777	1,233,361,851	1,335,734,782	1,104,332,373
8,471,704,095	DISK DRIVE UNITS, NESOI, NOT ASSEMBLED IN CABINETS	7,846,252	16,480,713	27,770,061	12,117,255	11,151,416	1,422,091	6,827,447	1,321,774
8,471,705,035	FLEXIBLE (FLOPPY) MAGNETIC DISK DRIVE UNITS, NESOI	7,049,460	16,059,696	21,523,459	34,440,526	29,675,030	14,961,903	8,776,489	6,079,908
8,471,705,065	HARD MAGNETIC DISK DRIVE UNITS, NESOI	1,265,238	1,979,231	21,136,677	52,700,894	60,931,357	102,033,253	372,572,701	393,667,385
8,471,705,095	DISK DRIVE UNITS, NESOI	4,457,678	2,241,612	5,755,045	9,202,013	889,931	5,192,249	7,834,476	
8,471,706,000	OTHER STORAGE UNITS, NESOI, NOT ASSEMBLED IN CABIN	835,960,790	1,160,000,000	1,060,000,000	1,230,000,000	1,072,371,133	1,372,972,846	1,514,812,003	1,416,916,500
8,471,709,000	OTHER STORAGE UNITS, NESOI	59,090,795	90,126,833	69,215,953	102,000,000	162,049,984	159,936,611	102,544,752	228,666,394
8,471,801,000	CONTROL OR ADAPTER UNITS FOR AUTOMATIC DATA PROCES	286,624,337	409,000,000	583,000,000	1,180,000,000	1,521,9			

© CW McMillion/MBG Information Services

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,473,506,000	PARTS AND ACCESSORIES, INCLUDING FACE PLATES AND L	1,290,237	121,054	123,460	975,421	1,169,737	1,729,758	2,340,002	4,348,518
8,473,509,000	PARTS AND ACCESSORIES EQUALLY SUITABLE FOR USE WIT	3,843,778	18,292,451	38,573,868	25,931,367	33,638,100	73,038,328	83,945,026	91,792,246
8,479,500,000	INDUSTRIAL ROBOTS, NESOI	24,000	35,373		14,565	156,035	236,176	253,035	113,429
8,479,898,300	MACHINES FOR MANUFACTURING OPTICAL MEDIA							1,713,720	593,430
8,479,898,472	APPARATUS FOR GROWING SEMICONDUCTOR CRYSTALS								
8,479,898,474	MACHINE TO COAT SEMICONDUCTOR WAFERS WITH EMULSION								
8,479,898,476	CHEMICAL VAPOR DEPOSITION APPARATUS					1,772,500	3,500,000		
8,479,898,490	MACH NESOI FOR PROD & ASSEMBLY OF SEMICONDUCTORS		2,914,881	913,202	276,966	1,075,522	3,118,314		
8,479,898,572	APPARATUS DESIGNED TO GROW MONOCRYSTAL SEMICONDUCTO								
8,479,898,574	MACHINES (SPINNERS) DESIGNED TO COAT PHOTOGRAPHIC								
8,479,898,576	CHEMICAL VAPOR DEPOSITION (CVD) APPARATUS INCLUDIN								
8,479,898,578	PHYSICAL DEPOSITION APPARATUS INCLUDING SPUTTERING								
8,479,898,590	MACHINES FOR PRODUCTION & ASSEMBY OF DIODES, TRANS	309,290							
8,479,909,440	PARTS OF INDUSTRIAL ROBOTS, NESOI		144,032	100,979	178,112	1,227,434	586,764	1,553,572	957,380
8,479,909,540	PARTS OF INDUSTRIAL ROBOTS	65,502							
8,480,714,000	INJ/COMPR MOLDS RUB/PLAS MANUF SEMICONDUCTR DEVICES								
8,486,100,000	MACHINES & APPS FOR MANUFUR OF BOULES OR WAFERS							893,117	405,167
8,486,200,000	MACH/APPS FOR MANUF OF SEMICONDUCTOR DEVICE/ IC							48,315,673	17,739,719
8,486,300,000	MACHINES & APPS FOR MANUFUR OF FLAT PANEL DISPLAY							60,443	8,765
8,486,400,010	MACH APP SPEC NT 9, MANUFACTURE OF MASKS, RETICLES								
8,486,400,020	MACH & APPS FOR ASSEMB SEMICONDUCTOR DEVICE/ IC							60,185	81,429
8,486,400,030	MACH FOR LIFT/HANDLE/ETC OF BOULES/WAFER/SEMCON, ETC							14,355,704	28,537,100
8,504,902,000	PARTS OF POWER SUPPLIES FOR AUTOMATIC DATA PROCESS	1,627,089	2,546,518	2,485,340	1,684,032	5,352,298	7,691,017	6,130,844	25,627,122
8,504,904,000	OTHER PARTS AND ACCESSORIES OF POWER SUPPLIES FOR	10,840,027	14,509,454	18,841,161	29,357,457	29,391,359	29,974,871	26,593,618	22,026,180
8,514,302,000	FURNACES AND OVENS FOR DIFFUSION, OXIDATION OR ANN	10,000	49,124	122,950	52,210	104,600	10,848		
8,515,210,000	MACHINES AND APPARATUS FOR RESISTANCE WELDING OF M	124,165	60,082	166,936	872,765	476,240	327,896	420,189	2,701,266
8,515,310,000	MACHINES AND APPARATUS FOR ARC (INCLUDING PLASMA A	43,591	65,384	239,997	492,808	1,122,826	1,028,416	2,193,409	1,992,411
8,517,120,020	RADIO TELEPHONES FOR INSTALLATION IN MOTOR VEHICLE							4,499,382	50,213,891
8,517,120,050	CELLULAR RADIOTELEPHONES FOR PCRS							11,079,791,312	11,199,190,227
8,517,120,080	TELEPHONES FOR CELL/OTHER WIRELESS NETWORKS, NESOI							793,268,481	669,916,253
8,517,180,000	TELEPHONE SETS, NESOI								
8,517,180,010	VIDEOPHONES							3,195,110	4,777,160
8,517,190,000	VIDEOPHONES								
8,517,194,000	VIDEOPHONES								
8,517,210,000	FACSIMILE MACHINES	122,868,869	154,000,000	161,000,000	174,000,000	143,638,491	140,597,494		
8,517,301,500	CENTRAL OFFICE SWITCHING APPARATUS	256,039	845,785	678,276	540,085	66,482	3,313,697		
8,517,302,000	PRIVATE BRANCH EXCHANGE SWITCHING APPARATUS	387,344	53,022	286,438	639,555	929,559	1,055,037		
8,517,302,500	ELECTRONIC KEY TELEPHONE SYSTEMS	2,532,938	4,087,165	2,849,494	5,029,504	2,469,096	2,629,594		
8,517,303,000	TELEPHONIC SWITCHING APPARATUS, NESOI	242,946	2,461,766	5,789,446	4,156,683	4,444,941	2,515,868		
8,517,305,000	TELEGRAPHIC SWITCHING APPARATUS	1,294,932	7,375,771	35,034,956	58,159,799	215,213,766	140,656,977		
8,517,501,000	MODEMS (MODULATOR-DEMODULATOR APPARATUS) OF A KIND	187,413,889	224,000,000	187,000,000	377,000,000	424,001,063	469,644,321		
8,517,505,000	CARRIER-CURRENT LINE SYSTEM APPARATUS, TELEPHONIC	17,494,764	31,723,632	25,921,807	66,529,775	390,130,852	311,773,825		
8,517,506,000	OTHER APPARATUS, TELEGRAPHIC, FOR CARRIER-CURRENT	1,699,862	8,476,836	19,458,586	4,222,553	9,890,303	62,831,745		
8,517,509,000	OTHER APPARATUS, TELEGRAPHIC, FOR DIGITAL LINE SYS	3,882,196	75,644,418	213,000,000	471,000,000	828,594,907	1,487,605,041		
8,517,610,000	BASE STATIONS								
8,517,620,010	MODEMS OF A KIND USED WITH DATA PRCSG MCH OF 8471							350,040,525	377,919,675
8,517,620,050	MACH FOR RECP/CONV/REGEN VOICE/IMAGE/DATA, NESOI							961,664,931	925,833,718
8,517,690,000	APPS FOR TRAMIT/RECEP OF VOICE/DATA/IMG, NESOI							3,409,171,010	5,838,201,587
8,517,700,000	PARTS OR APPS FOR TRAMISIT/RECP OF VOICE/IMG/DATA							462,907,130	462,748,213
8,517,900,400	PARTS OF FACSIMILE MACHINES SPECIFIED IN ADDITIONA	24,322,674	30,990,189	32,390,752	33,914,072	24,215,268	21,544,302	1,571,560,000	1,635,014,943
8,517,900,800	PARTS OF FACSIMILE MACHINES, NESOI	14,016,752	12,090,758	9,315,921	20,545,925	38,649,193	36,935,316		
8,517,902,000	PARTS FOR TELEPHONIC SWITCHING APPARATUS								
8,517,902,400	PARTS FOR TELEPHONIC SWITCHING OR TERMINAL APPARAT	17,077,333	5,957,867	7,440,906	7,282,753	15,394,289	19,667,205		
8,517,902,600	PARTS OF TELEGRAPHIC SWITCHING APPARATUS INCORPORA	86,136	194,150	301,066	523,701	501,624	748,066		
8,517,903,200	PARTS OF ARTICLES OF SUBHEADING 8517.20, 8517.30,	3,395,456	3,121,513	2,271,811	3,364,043	5,075,090	5,594,086		
8,517,903,400	PARTS OF TELEPHONIC AND TELEGRAPHIC SWITCHING APP	1,539,879	6,634,979	9,508,537	5,279,753	5,279,334	12,833,897		
8,517,903,600	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC SWITCHIN	75,532,931	63,793,242	37,849,676	60,288,990	90,958,195	110,747,584		
8,517,903,800	PRINTED CIRCUIT ASSEMBLIES FOR TELEPHONIC APPARATU	62,120,304	40,825,887	27,725,824	35,324,835	60,851,062	42,186,882		
8,517,904,400	PRINTED CIRCUIT ASSEMBLIES FOR TELEGRAPHIC APPARAT	6,291,465	11,723,993	131,000,000	341,000,000	316,953,489	320,534,187		
8,517,905,000	PARTS, NESOI, FOR TELEPHONIC APPARATUS								
8,517,905,200	PARTS, INCLUDING FACE PLATES AND LOCK LATCHES, FOR	918,554	2,109,242	4,306,769	3,072,826	3,270,747	4,556,899		
8,517,905,800	PARTS FOR TELEPHONIC APPARATUS FOR SWITCHING OR TE	1,449,602	3,235,106	2,968,146	3,753,447	2,602,659	6,492,110		
8,517,906,400	PARTS OF TELEPHONIC APPARATUS, NESOI	41,007,430	34,414,150	37,326,739	42,314,534	44,328,746	75,536,005		
8,517,909,000	PARTS FOR TELEGRAPHIC APPARATUS								
8,519,813,010	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS							241,713,981	244,707,600
8,519,814,020	OPTICAL DISC RECORDERS							16,504,392	11,432,359
8,519,990,045	OPTICAL DISC (INCLUDING COMPACT DISC) PLAYERS	697,224,898	847,000,000	701,000,000	634,000,000	532,423,107	355,984,277		
8,521,100,000	VIDEO RECORDING OR REPRODUCING APPARATUS, WHETHER								
8,521,106,000	VIDEO CASSETTE OR CARTRIDGE RECORDING AND REPRODUC	392,077,753	340,000,000	197,000,000	116,000,000				
8,521,109,000	VIDEO RECORDING OR REPRODUCING APPARATUS, MAGNETIC	1,109,502	177,335	4,368,380	963,126				
8,521,900,000	VIDEO RECORDING OR REPRODUCING APPARATUS EXCEPT MA	1,263,515,900	2,170,000,000	2,470,000,000	3,030,000,000	2,882,044,808	3,402,295,464	2,523,262,022	1,349,493,323
8,523,292,000	MAGNET TAPES FR REPRODUCING OTHER THAN SOUND/IMAGE							237,570	168,658
8,523,299,000	RECORDED MAGNETIC MEDIA, NESOI								
8,523,402,010	LASER DISCS, NOT FOR REPRODUCING SOUND/IMAGE, RETAIL							5,505,045	1,962,918
8,523,402,020	LASER DISCS, NOT FOR REPRODUCING SOUND/IMAGE, NESOI							5,396,873	4,847,073
8,523,403,000	RECORDED OPTICAL MEDIA, FOR REPRODUCING SOUND ONLY							7,308,440	7,118,778
8,523,404,000	RECORDED OPTICAL MEDIA FOR INSTRUCTIONS, DATA, ETC							41,370,691	32,216,887
8,523,405,000	DISCS FOR LASER READING SYSTEMS, NESOI							13,329,340	10,723,798
8,523,510,000	SOLID STATE NON-VOLATILE STORAGE DEVICES							599,375,884	912,879,761
8,523,520,000	SMART CARDS							86,491,500	75,001,744
8,523,590,000	SEMICONDUCTOR MEDIA FOR REPRO SOUND, NESOI							20,993,922	10,525,928
8,523,802,000	RECORDED/UNRECORDED MEDIA FOR SOUND, ETC., NESOI							132,201,657	13,689,905
8,524,310,000	DISCS FOR LASER READING SYSTEMS, FOR REPRODUCING P								
8,524,310,030	DISCS FOR LASER READING SYSTEMS FOR REPRODUCING PH								
8,524,310,070	LASER DISCS NOT FOR REPRODUCING SOUND/IMAGE, NESOI	5,971,095	2,494,311	2,038,570	625,798	5,056,268	5,897,610		
8,524,390,000	DISCS FOR LASER READING SYSTEMS, NESOI		2,290,161	5,012,683	5,788,795	3,838,479	5,620,810		
8,524,394,000	DISCS FOR REPRODUCING REPRESENTATIONS OF INSTRUCT	24,567,826	13,479,436	41,068,171	58,067,111	79,809,881	60,626,324		
8,524,398,000	DISCS FOR LASER READING SYSTEMS, NESOI	3,856,731	12,749,226	11,429,075	8,125,029	13,162,837	17,651,875		
8,524,400,000	MAGNETIC TAPE RECORDINGS FOR REPRODUCING PHENOMEN	9,773	3,094	63,867	99,869	13,315	71,695		
8,524,910,000	OTHER RECORDED MEDIA, NESOI, FOR REPRODUCING PHENO								
8,524,910,030	PREPACKAGED SOFTWARE FOR ADP MACHINES, OF A KIND S	444,254	1,094,580	2,490,036	3,267,009	2,991,173	4,546,348		
8,524,910,070	OTHER MAGNETIC MEDIA, FOR REPRODUCING PHENOMENA OT	1,065,963	787,151	1,244,843	232,708	180,172	306,328		
8,524,990,000	RECORDED MEDIA, NESOI								
8,524,994,000	RECORDED MEDIA FOR SOUND OR OTHER SIMILARLY RECOR	5,416,863	9,805,392	6,548,021	9,423,668	20,009,026	12,825,402		
8,525,106,070	RADIO TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING								
8,525,106,090	RADIO TRANSMITTERS, NESOI, CAPABLE OF TRANSMITTING								
8,525,107,065	TRANSMITTERS CAPABLE OF TRANSMITTING ON FREQUENCIE	33,397	22,892	10,160	234,464	160,571	410,358		
8,525,107,085	TRANSMIT FR FREQUENCY GT 1000 MHZ, RADIOBROADCAST		68,727	294,946		259,443	525,318		
8,525,107,090	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESO	19,409	1,279,297	871,111	422,416	369,228	1,112,702		
8,525,108,020	TRANSMISSION APPARATUS, NESOI, FOR CIVIL AIRCRAFT								

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,525,209,060	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	20,940	1,523,260	427,262	828,233	3,602,967	2,579,811		
8,525,209,070	RADIO TELEPHONES DESIGNED FOR THE PUBLIC CELLULAR	614,093,134	1,440,000,000	1,970,000,000	4,310,000,000	8,457,345,725	10,899,631,782		
8,525,209,080	RADIO AND TELEVISION TRANSMISSION APPARATUS, NESOI	38,725,855	131,000,000	117,000,000	264,000,000	592,087,968	709,127,453		
8,525,300,020	TELEVISION CAMERAS, COLOR								
8,525,300,070	TELEVISION CAMERAS, EXCEPT COLOR								
8,525,303,000	GYROSTABILIZED TELEVISION CAMERAS				90,931	12,410	248,829		
8,525,306,000	STUDIO TV CAMERAS, EXC SHOULDER-CARRIED & PORTABLE		18,523	3,224	5,899	95,213	103,916		
8,525,309,005	TELEVISION CAMERAS, NESOI, COLOR	66,293,237	51,319,383	56,434,773	88,013,264	130,090,111	184,098,218		
8,525,309,060	TELEVISION CAMERAS, EXCEPT COLOR	10,226,092	6,346,583	15,524,138	12,223,904	13,477,518	18,432,649		
8,525,404,000	DIGITAL STILL IMAGE VIDEO CAMERAS	175,709,257	637,000,000	1,300,000,000	2,060,000,000	2,478,670,555	2,759,939,912		
8,525,408,020	CAMCORDERS, 8 MM	130,515,357	20,538,480	52,746,847	48,971,383				
8,525,408,050	CAMCORDERS (OTHER THAN 8 MM TYPE), NESOI	53,342	912,675	14,691,540	48,879,726	41,248,267	231,228,582		
8,525,408,085	STILL IMAGE VIDEO CAMERAS AND VIDEO CAMERA RECORDER	18,745,337	9,358,129	21,746,347	15,580,200	47,385,347	76,114,656		
8,525,506,050	RADIO TRANSMITTERS NOT EXCEEDING 30 MHZ								
8,525,507,010	RADIO BROADCAST TRANSMITTERS							15,936,014	7,685,895
8,525,507,050	TRANSMISSION APPARATUS FOR RADIOBROADCASTING, NESOI							3,098,035	2,536,432
8,525,508,020	TRANSMISSION APPARATUS FOR CIVIL AIRCRAFT, NESOI								
8,525,508,040	COMMUNICATIONS TRANSMISSION APPARATUS, NESOI								
8,525,601,030	RADIO TRANSCEIVERS, HAND-HELD							127,722,952	105,655,820
8,525,601,050	RADIO TRANSCEIVERS, EXC HANDHELD							48,833,973	53,465,436
8,525,601,055	RADIO TRANSCEIVERS, OTHER								
8,525,602,000	TRANSMISSION APPTS INCORPORATING RECEIVERS, NESOI							247,012,953	136,782,997
8,525,800,035	TELEVISION CAMERAS, COLOR								
8,525,800,045	TELEVISION CAMERAS, NESOI								
8,525,801,000	GYROSTABILIZED TELEVISION CAMERAS							1,746,725	1,461,813
8,525,802,000	STUDIO TV CAMERAS, EXC SHOULDER-CARRIED & PORTABLE							1,897,690	919,571
8,525,803,010	TELEVISION CAMERAS, COLOR, NESOI							215,024,579	266,651,788
8,525,803,050	TELEVISION CAMERAS, EXCEPT COLOR, NESOI							21,363,065	24,786,732
8,525,804,000	DIGITAL STILL IMAGE VIDEO CAMERAS							3,302,875,784	2,945,153,372
8,525,805,020	CAMCORDERS EXCEPT 8MM							357,464,963	442,633,813
8,525,805,050	STILL IMAGE VIDEO CAMERA, VIDEO CAMERA RECORDER, NESOI							83,729,311	117,067,615
8,526,100,020	RADAR DESIGNED FOR BOAT OR SHIP INSTALLATION	2,190,852	1,312,844	1,517,047	1,690,344	2,390,952	3,880,253	8,628,749	6,496,418
8,526,100,040	RADAR APPARATUS, OTHER THAN APPARATUS DESIGNED FOR	2,617,043	4,075,809	130,560	140,284	52,018	379,803	518,942	3,649,393
8,526,100,070	RADAR APPARATUS, NESOI								
8,526,910,010	RADIO NAVIGATIONAL AID APPARATUS FOR USE IN CIVIL								
8,526,910,020	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T	13,092,625	37,223,602	38,520,261	37,271,488	90,800,942	183,206,611	333,770,446	350,039,476
8,526,910,030	RADIO NAVIGATIONAL AID APPARATUS, RECEPTION ONLY T								
8,526,910,040	RADIO NAVIGATIONAL AID APPARATUS, NESOI	365,245	2,323,571	22,110,514	27,615,491	71,883,128	183,252,883	528,810,447	641,574,150
8,526,910,070	RADIO NAVIGATIONAL AID APPARATUS, NESOI								
8,526,920,000	RADIO REMOTE CONTROL APPARATUS	18,519,293	20,604,340	29,403,446	32,704,866	31,792,256	37,017,639	59,055,251	59,978,608
8,527,211,010	MOTOR VEH RADIO-TAPE PLAYERS COMB, INC OPTICAL DISC							8,216,065	7,565,606
8,527,905,000	INFANT NURSERY MONITOR SYSTEMS, PACKAGE CONSISTING	27,834,800	27,448,962	30,976,953	31,407,902	27,125,345	31,908,180		
8,527,908,045	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS								
8,527,908,055	RADIO RECEIVERS, NESOI, CAPABLE OF RECEIVING SIGNALS								
8,527,908,075	RECEPTION APPARATUS FOR RADIOTELEPHONY, RADIOTELEGR								
8,527,909,550	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	756,560	869,628	547,310	886,281	750,931	599,955		
8,527,909,560	RADIO RECEIVERS CAPABLE OF RECEIVING SIGNALS ON FR	2,184	6,890			9,583	11,272		
8,527,909,590	RECEPTION APPARATUS FOR RADIOBROADCASTING OR RADIO	9,195,446	1,445,932	1,084,596	1,804,300	2,440,790	6,482,416		
8,527,909,745	RADIO RECEIVERS (400 - 1000 MHZ)								
8,527,909,755	RADIO RECEIVERS GT 1000 MHZ								
8,527,909,775	RECEPTION APPARATUS RADIO COMMUNICATIONS, NESOI								
8,527,991,000	INFANT NURSERY MONITOR SYSTEMS (TRANSMIT, REC, ADPT)							32,701,957	30,043,300
8,527,992,030	RADIO RECEIVERS FREQ GT 400 MHZ							3,667,496	114,261
8,527,993,030	RADIO RECEIVERS, EXCEEDING 400 MHZ NESOI								
8,527,995,030	RECEPTION APPARATUS, NESOI								
8,527,995,040	RADIOBROADCAST RECEIVERS, NESOI							20,067,188	5,648,876
8,528,120,400	TV RECEIVERS INCOMPLETE OR UNFINISHED ASSEMB, COLO	52,828	246,797	188,176	961,083	938,824	698,064		
8,528,121,201	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	10,348,618	1,911,088	20,981,322	29,730,308	26,704,637	42,425,940		
8,528,121,601	TV RECEIVERS, NON-HIGH DEFINITION, COLOR, SINGLE P	5,365	5,615,328		568,552	1,863,885	4,743,391		
8,528,122,800	RECEPTION APPAR FOR TV, NON-HI DEF, COLOR, SINGLE PIC	5,563,379	822,976	17,876,778	173,000,000	57,286,328	63,484,958		
8,528,123,000	RECEPTION APPARATUS FOR TV, COLOR, INCORPORATING V								
8,528,123,600	TV RECP, COL, NON-HD, PROJ, CATH-RAY, W/ VIDEO REC/REP				20,039		1,438,371		
8,528,124,000	RECEPTION APPA FOR TV, COLOR, NON-HIGH DEFINITION,	16,597,170	10,715,664	6,911,936	117,055	2,600	2,810,638		
8,528,124,400	TV REC, COL, HI-DEF, NON-PROJ, CATH-RAY TUBE W/ REC REP								
8,528,124,800	RECEPTION APPARATUS FOR TV, COLOR, HIGH-DEFINITION	5,847	6,662	10,477,308	2,528,376	6,838,759	6,577,905		
8,528,125,200	TV RECP, COLOR, HD, PROJ, CATH-RAY, W/ VIDEO REC/REP					76,338	147,600		
8,528,125,600	RECEPTION APPARATUS FOR TV, COLOR, HIGH DEFINITION	15,203	3,534	8,000	658,565		37,696		
8,528,126,201	RECEPTION APPARATUS FOR TV, CLR, W/ A FLAT PANEL SC	113,400	2,813,560	16,018,083	14,506,648	71,374,669	97,545,440		
8,528,126,401	RECEPTION APP. FR TV, COLOR, WITH A FLAT PANEL SCR	563,200		36,011	12,275,384	65,600,207	241,126,694		
8,528,126,801	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	5,323,464	11,076,256	31,250,027	68,543,667	80,697,572	98,901,630		
8,528,127,201	RECEPTION APPARATUS FOR TV, COLOR, WITH A FLAT PAN	1,788,637	1,480,530	35,637,314	283,000,000	994,591,384	2,230,578,689		
8,528,127,601	RECEPTN APPAR FOR TV, COLOR, INCORPORATING VIDEO R	1,061,500	1,874,344	637,859	1,309,902	2,878,048	2,395,330		
8,528,128,001	REC TV, COLOR, VIDEO RECORD OR REPRODUCE, EXC 34.29CM		5,204	26,842	30,008	9,419	9,163,803		
8,528,128,401	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A		71,272		180,105	94,941	5,972,846		
8,528,129,200	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	3,987,022	3,558,018	724,436	74,279,611	409,783,025	747,617,573		
8,528,129,300	RECEPTION APPARATUS FOR TV, COLOR, WITH A PRINTED	27,502,537	51,249,379	57,119,753	48,196,971	49,903,151	34,742,575		
8,528,129,700	RECEPTION APPARATUS FOR TELEVISION, COLOR, WITH A	917,242	327,761	3,452,460	5,957,022	9,661,482	45,465,501		
8,528,301,000	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORP A	45,500			66,500	1,155,205	81,539		
8,528,302,000	VIDEO PROJECTORS, COLOR, INCOMPLETE, NOT INCORPORA	3,175	294,000	887,758	354,381	151,062	174,931		
8,528,303,000	VIDEO PROJECTORS, CLR, NON-HI DEF, W/ CRT, W/ REC/REP						130,445		
8,528,304,000	VIDEO PROJECTORS, CLR, NON-HD, W/ CRT, NESOI	3,352				5,064	143,194		
8,528,306,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI						2,270,012		
8,528,306,201	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, LT=34.29 CM				267,130	68,000	154,224		
8,528,306,401	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP GT 34.29 CM				2,500		8,829		
8,528,306,601	RECEPT, APP. FOR TELEVIS, VIDEO PROJ, COLOR, FLAT	21,116,469	36,318,927	210,000,000	497,000,000	659,322,924	967,816,583		
8,528,306,801	RECEPT, APP. FOR TELEVIS, VIDEO PROJECT, COLOR, F	258,400		266,052	154,747	1,389,973	2,145,369		
8,528,307,200	VIDEO PROJECTORS, COLOR, NESOI, INCORPORATING VIDE		2,906	7,416		29,315	239,531		
8,528,307,800	VIDEO PROJECTORS, COLOR, NESOI	4,397	13,334	26,639	342,260	490,238	1,982,159		
8,528,510,000	MONITORS FOR ADP OF HEADING 8471, NESOI							5,254,899,341	5,353,066,860
8,528,610,000	PROJECTORS FOR ADP OF HEADING 8471							524,279,256	75,253,704
8,528,690,500	VIDEO PROJECTS, CLO, INCOMP, NOT CRT/FLAT, W/ VID REC/RP							14,100	
8,528,691,000	VIDEO PROJ, CLO, INCOMPLETE, NOT CRT/FLAT PNL, NESOI							6,107,895	1,910,996
8,528,693,000	VIDEO PROJECTORS, COLOR, HI DEFINITION W/ CRT, NESOI							2,552	11,183
8,528,693,500	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP, LT=34.29 CM							17,769,682	2,541,636
8,528,694,000	VIDEO PROJ, CLR, FLAT PNL SCR, W/ REC/REP GT 34.29 CM							253,351	23,121
8,528,694,500	VIDEO PROJ, CLOR, FLAT PNL SCR, LT= 34.29 CM, NESOI							812,729,285	883,078,768
8,528,695,000	VIDEO PROJ, COLOR, FLAT PNL SCR, GT 34.29 CM, NESOI							549,716	6,745,468
8,528,695,500	VIDEO PROJECTORS, COLOR, INC VIDEO REC/REP, NESOI							20,130	140,162
8,528,696,000	VIDEO PROJECTORS, COLOR, NESOI							1,682,755	684,884
8,528,711,000	TV RECP, COLOR, VIDEO REC/ REP							19,005	3,762,408
8,528,712,000	TV SET TOP BOXES W/ COMMNICTN FUNC, COL, GT 34.29CM							1,336,651,270	1,410,776,901
8,528,713,000	TV RECP, COLOR, PC ASSEM, W/ TUNER, NESOI							20,482,209	11,907,367
8,528,714,000	TV RECP APPARATUS, COLOR, NO VID DISPAY, NESOI							5,9	

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,528,724,000	TV RECP,COLOR, NON-HD, PROJ, CATH-RAY TUBE, NESOI							193,325	
8,528,724,800	TV RECP,COLOR,HD,NON-PROJ,W/CATH-RAY TUBE, NESOI							266,270	30,163
8,528,726,200	TV RECP,COL,FLAT PAN SCR,VID REC/REP, LT=34.29 CM							63,845,190	23,843,826
8,528,726,400	TV RECP,COL,FLAT PANEL SCREEN,VIDEO REC/ REP,NES							347,424,627	405,419,524
8,528,726,800	TV RECP,COLOR,FLAT PANEL SCREEN,DIS LT=34.29CM,NES							59,949,532	59,101,299
8,528,727,210	PLASMA TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM							100,125,148	280,597,269
8,528,727,250	LCD TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM							3,088,396,248	3,965,276,383
8,528,727,270	TV RECP,COLOR,FLAT PNL SCR,N,DISP GT 34.29CM, NESOI							22,423,164	2,560,643
8,528,727,600	TV RECP,COLOR,VIDEO REC/ REP,DISP LT= 34.29CM, NES							367,354	101,640
8,528,728,000	TV RECP, COLOR,VIDEO REC/ REP, DISP GT 34.29CM,NES							1,497,826	4,514
8,528,728,400	TV RECEP, COLOR, VIDEO NOT EXC, 34.29 CM, NESOI							1,196,109	1,458,272
8,528,729,700	TV RECEPT APPARATUS, COLOR, NESOI							3,159,781	379,556
8,529,900,900	PRINTED CIRCUIT ASSEMBLIES, OTHER THAN TUNERS, PRI		7,822	73,637	3,614,186	2,588,220	131,119	266,321	823,636
8,529,901,620	PRNT CIR ASSEMBLS,ASSEMBLS & SUBASSEMBLS OR RADAR		24,244	36,019	11,493	2,557	25,429	54,408	306,497
8,529,901,640	PRINTED CIRCUIT ASSEMBLIES,ASSEMBLIES, & SUBASSEMBL	37,260	9,463	40,000	53,320	69,240	37,193	187,424	4,248,376
8,529,901,660	PRNTD CIR ASSEMBLS,ASSEMBLIES & SUBASSEMBLIES CO	166,680	187,193	178,268	336,426	409,778	649,113	566,058	190,322
8,529,901,920	PRNTD CIR ASSEMBLS,NOT ASSEM & SUBASSEM,OF RADAR				5,980		12,546	719,675	336,069
8,529,901,940	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	4,066	58,201	449,255	79,063	79,720	1,572,631	837,714	633,182
8,529,901,960	PRINTED CIRCUIT ASSEMBLIES, NOT ASSEMBLIES AND SUB	285,941	307,165	735,769	570,270	463,136	370,679	534,926	573,668
8,529,902,600	TRANCEIVER ASSEMBLIES FOR THE APPARATUS OF SUBHEAD	6,500	8,673	82,775	19,275	379,000	485,186	302,307	125,529
8,529,903,000	PARTS OF TELEVISION CAMERAS								
8,529,903,900	PRTS OF TELEVISION RECEIVERS, EXCEPT TUNERS, SUBAS	1,235,425	575,479	3,122,911	51,769,302	112,106,430	49,936,902	93,786,731	101,723,577
8,529,904,720	PARTS FOR RADAR APPARATUS								
8,529,904,740	PARTS FOR RADIO NAVIGATIONAL AID APPARATUS (EXCEPT								
8,529,904,760	PARTS FOR RADIO REMOTE CONTROL APPARATUS								
8,529,904,900	COMBINATION OF PARTS SPECIFIED IN ADDITIONAL U.S.		739,000	280,224	179,582	426,136	523,094	593,243	759,511
8,529,906,300	OTHER PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	2,700				16,768	37,677	10,755	7,140
8,529,907,300	OTHER PARTS OF PRINTED CIRCUIT ASSEMBLIES, INCLUDI	228,887	233,395	354,725	572,850	534,596	385,566	351,065	237,240
8,529,907,800	MOUNTED LENSES FOR TELEVISION CAMERAS & OTHER PART	30,725	75,984	145,649	352,522	935,196	1,626,930	1,607,006	890,974
8,529,908,100	OTHER PARTS OF ARTICLES OF HEADINGS 8525 AND 8527,	669,856	243,067	450,430	535,373	1,761,749	3,937,538	7,452,957	8,125,275
8,529,909,520	ASSEMBLIES & SUBASSEMBLIES, OF RADAR APPARATUS				129,597	344,437	57,771	24,691	13,250
8,529,909,540	ASSEMBLIES AND SUBASSEMBLIES,CONSISTING OF 2 OR MO	22,698	12,084	68,839	515,541	736,990	209,881	582,362	2,635,739
8,529,909,560	ASSEMBLIES AND SUBASSEMBLIES,CONSISTING OF 2 OR MO	155,527	285,341	457,225	485,233	155,992	409,754	606,101	332,066
8,529,909,720	OTHER PARTS OF RADAR APPARATUS, EXCEPT ASSEMBLIES	3,064	2,267	2,500	2,500	6,926	900,692	12,603	108,344
8,529,909,740	OTHER PARTS OF RADIO NAVIGATIONAL AID APPARATUS (E	360,552	786,414	1,419,411	542,880	1,669,041	5,289,430	3,879,703	1,495,211
8,529,909,760	OTHER PARTS OF RADIO REMOTE CONTROL APPARATUS, EXC	259,849	125,176	238,984	846,237	1,192,115	1,646,049	1,677,652	2,458,321
8,534,000,020	PRINTED CIRCUITS HAVING A BASE OF PLASTIC IMPREGNA	130,011,985	132,000,000	154,000,000	183,000,000	231,848,682	334,481,928	344,644,806	306,933,252
8,537,109,030	NUMERICAL CONTROLS FOR CONTROLLING MACHINE TOOLS	48,630		6,700	7,083	57,750	1,273,424	1,083,679	110,442
8,537,109,050	PANEL BOARDS AND DISTRIBUTION BOARDS, FOR VOLTAGES	7,444,167	5,890,487	5,819,908	18,644,637	20,919,141	22,878,405	38,241,242	32,107,686
8,537,109,060	PROGRAMMABLE CONTROLLERS	43,317,283	48,943,980	42,310,779	59,883,612	93,785,621	112,348,597	83,678,402	67,867,656
8,540,790,000	MICROWAVE TUBES, NESOI							492,000	
8,540,890,060	LIGHT-SENSING TUBES	69,455	1,344,061	4,148,912	5,927,730	6,584,456	7,748,036	5,677,002	13,700,859
8,541,100,040	UNMOUNTED CHIPS, DICE, WAFERS FOR DIODES OTHER THA	850,292	1,355,741	2,762,210	1,632,952	2,225,853	2,947,241	5,204,520	4,248,856
8,541,100,050	ZENER DIODES	6,655,954	15,836,575	9,843,661	13,821,916	14,542,998	21,548,344	25,184,207	30,253,025
8,541,100,060	MICROWAVE DIODES	28,778	198,428	143,359	842,923	2,027,945	458,312	323,626	1,121,678
8,541,100,070	DIODES, OTHER THAN PHOTSENSITIVE OR LED, WITH A MA	3,538,910	5,649,982	6,117,948	7,957,242	7,732,621	11,773,994	15,865,527	14,072,791
8,541,100,080	SEMICONDUCTOR DIODES NOT PHOTSENSITIVE OR LED, WIT	42,060,273	56,036,869	66,322,874	89,075,479	97,927,595	112,760,669	105,867,088	122,174,904
8,541,210,040	UNMOUNTED CHIPS, DICE, WAFERS FOR TRANSISTORS OTH	1,576,023	6,063,142	2,621,652	579,546	1,303,755	4,228,317	3,614,855	3,838,379
8,541,210,075	TRANSISTORS OTHER THAN PHOTSENSITIVE, WITH A DISS	929,963	1,384,928	2,817,495	6,655,071	8,997,711	10,305,661	6,565,576	5,417,089
8,541,210,080	TRANSISTORS,OTHER THAN PHOTSENSITIVE, WITH A DISS								
8,541,210,095	TRANSISTORS OTHER THAN PHOTSENSITIVE, WITH A DISS	24,489,216	41,248,722	33,470,499	43,936,413	46,669,237	54,399,359	52,977,468	61,375,180
8,541,290,040	UNMOUNTED CHIPS, DICE AND WAFERS FOR TRANSISTORS O	3,205,740	2,952,245	2,700,939	3,442,866	3,228,430	2,356,536	11,349,801	8,343,657
8,541,290,075	TRANSISTORS OTHER THAN PHOTSENSITIVE, DISSIPATION	1,142,913	964,123	1,695,354	3,317,240	2,542,773	1,989,759	9,261,772	12,438,009
8,541,290,080	TRANSISTORS,OTHER THAN PHOTSENSITIVE,WITH A DISSI								
8,541,290,095	TRANSISTORS OTHER THAN PHOTSENSITIVE, DISSIPATION	29,279,252	26,874,499	27,364,113	34,263,133	42,188,092	64,957,148	68,019,243	79,371,873
8,541,300,040	UNMOUNTED CHIPS, DICE & WAFERS FOR THYRISTORS, DIA		25,471	33,062	69,627	108,644	181,726	143,110	905,092
8,541,300,080	THYRISTORS, DIACS & TRIACS, OTHER THAN PHOTSENSIT	874,495	2,639,307	2,879,456	2,690,502	23,611,453	27,922,862	6,924,376	11,815,466
8,541,406,010	UNMOUNTED CHIPS, DICE OR WAFERS FOR PHOTSENSITIVE	127,321	152,145	62,746	90,576	133,519	113,266	368,874	505,796
8,541,406,020	SOLAR CELLS ASSEMBLED INTO MODULES OR PANELS	19,023,699	7,442,222	13,168,778	11,267,735	21,329,410	68,245,920	183,628,483	227,248,805
8,541,406,030	SOLAR CELLS, NOT ASSEMBLED INTO MODULES OR MADE UP	191,803	85,967	119,157	423,218	856,137	2,162,525	5,299,439	4,902,458
8,541,406,050	PHOTSENSITIVE DIODES, NESOI	6,244,566	9,886,660	5,035,850	5,719,238	8,848,228	8,976,223	10,663,708	9,700,320
8,541,407,040	UNMOUNTED CHIPS, DICE AND WAFERS FOR PHOTSENSITIV	68,629	144,860	170,382	159,652	431,920	175,288	560,469	469,699
8,541,407,080	PHOTSENSITIVE TRANSISTERS	376,081	580,299	999,590	533,147	900,111	889,468	2,075,053	1,852,888
8,541,408,000	OPTICAL COUPLED ISOLATORS	6,211,867	2,362,708	2,879,771	6,966,625	9,622,035	18,831,693	21,409,270	21,406,013
8,541,409,500	PHOTSENSITIVE SEMICONDUCTOR DEVICES, NESOI	7,619,391	5,370,885	5,102,195	8,584,003	6,477,132	10,375,457	9,297,199	13,755,825
8,541,500,040	UNMOUNTED CHIPS, DICE, WAFERS FOR SEMICONDUCTOR DE	308,662	1,619,347	2,217,672	4,888,454	1,723,072	656,988	18,725,234	10,070,973
8,541,500,080	SEMICONDUCTOR DEVICES, NESOI	3,383,603	4,864,408	5,180,391	3,817,074	4,504,650	5,483,081	5,200,567	5,097,121
8,541,900,000	PARTS FOR DIODES, TRANSISTORS & SIMILAR SEMICONDC	2,995,016	3,328,165	4,753,688	7,281,013	12,833,645	17,203,373	25,368,644	38,326,279
8,542,100,000	CARDS INCORP. ELEC. INTEGRATED CRCT (SMART CARDS)		6,457,779	15,451,801	18,473,062	36,010,887	53,520,452		
8,542,120,000	MONOLITHIC DIGITAL INTEGRATED CIRCUITS; CARDS INCO	12,474,845							
8,542,134,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, MOS TECHN	2,878							
8,542,138,005	UNMOUNTED CHIPS, DICE WAFERS OF SILICON FOR DIGITA	50,553,133							
8,542,138,010	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	707,530							
8,542,138,012	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	415,312							
8,542,138,021	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,022	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,023	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,024	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,025	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,026	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	402,802							
8,542,138,027	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,028	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,029	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	184,957							
8,542,138,030	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	8,113,805							
8,542,138,031	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	4,061,092							
8,542,138,032	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	6,135,161							
8,542,138,034	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL								
8,542,138,037	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON								
8,542,138,038	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON								
8,542,138,039	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,M								
8,542,138,041	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL,SILICON, M								
8,542,138,043	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL								
8,542,138,044	MONOLITHIC I/C'S, DIGITAL, SILICON, (MOS), VOLATIL	2,354,344							

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,542,144,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, BIPOLAR T								
8,542,148,001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	22,978							
8,542,148,002	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	10,018							
8,542,148,004	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	9,085							
8,542,148,007	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	1,357,360							
8,542,148,011	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	103,965							
8,542,148,012	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	16,457							
8,542,148,017	MONOLITHIC INTEGRATED CIRCUITS OF SILICON, DIGITAL	8,465,907							
8,542,148,092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	5,100							
8,542,148,096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	64,849							
8,542,194,000	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OBTAINED	11,928							
8,542,198,001	UNMOUNTED CHIPS, DICE, & WAFERS OF SILICON FOR DIG	372,931							
8,542,198,002	UNMOUNTED CHIPS, DICE, & WAFERS OTHER THAN SILICON	526,897							
8,542,198,073	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	123,123							
8,542,198,078	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	3,876,829							
8,542,198,079	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, SILICON,	360,547							
8,542,198,092	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	12,197							
8,542,198,096	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, OTHER THA	651,936							
8,542,214,000	MNLTHC IC DGTL, FOR HD TV GT 100,000 GATES		18,628	148,055	645,888	436,613	884,883		
8,542,218,005	CHIPS & WAFERS OF SILICON DGTL MNLTHC IC	21,839,575	29,205,674	35,995,196	21,931,954	35,023,224			
8,542,218,010	UNMTD CHP, DICE & WAFR FOR DGTL MNLTHC IC, EX SLCN	3,021,851	2,470,276	3,971,226					
8,542,218,020	MONO INTGR CRCT SLCN DGTL VLT MEM DRAM LT=16 MB					1,650,070	15,505,807		
8,542,218,021	MONO IC, DIG, SI, VOLTAGE MEM, DRAM, LT=1MB	639,665		148,855	5,697				
8,542,218,022	MNLTHC IC,DIG,SI,VOLATILE MEM, GT 1MB BUT LT=8MB	593,419		566,266	1,203,585				
8,542,218,023	MNLTHC IC,DGTL,SI,VOLATILE MEM,DRAM,8-16 MEGABITS	88,065		257,693	154,719				
8,542,218,024	MNLTHC IC,DGTL,SI,VOLATILE MEM,DRAM,16-64 MEGABIT	1,498,481		971,571	3,032,765	5,863,416	3,337,714		
8,542,218,025	MNLTHC IC,DGTL,SI,VOLATILE MEM,DRAM,64-128 MB	9,205,148		640,055	43,742,386	48,753,408	24,573,405		
8,542,218,026	MONO INT CRC SLCN DGTL VLT MEM DRAM GT 128 LT=256MB					61,296,485	39,628,161		
8,542,218,027	MONO INT CRC SLCN DGTL VLT MEM DRAM GT 256 LT=512MB					76,650,498	219,599,303		
8,542,218,028	MONO INT CRC SLCN DGTL VLT MEM DRAM GT 512MB LT=1GB					3,334,509	3,051,890		
8,542,218,029	MNLTHC IC,DGTL,SI,VOLATILE MEM,DRAM, GT 128 MEGABIT	11,777,035	6,637,948	47,828,289					
8,542,218,030	MONO INTEGR CIRCT SLCN DGTL VOLT MEM DRAM GT 1 GB					5,542,967	2,781,222		
8,542,218,031	MONO IC,DGTL,SI,VOLATILE MEM,(SRAM),LT=256 KBITS	308,370	614,204	926,369	1,576,620	1,111,518			
8,542,218,032	MNLTHC IC,DIG,SI,VOLATILE MEM,SRAM,GT 256KB LT=2MB	16,508	1,163,602	1,245,582	1,441,574	1,352,489			
8,542,218,038	MNLTHC IC,DIG,SI,VOLATILE MEM,SRAM,GT 256 KILIBIT								
8,542,218,039	MNLTHC IC,DIG,SI,VOLATILE MEM,SRAM,GT 2 MEGABITS	1,232,439	4,500,950	3,749,081	2,478,015	3,191,982			
8,542,218,041	MNLTHC IC,DIG,SI,EX VOL MEM,EEPROM, LT=64 KLB	17,546,382	11,506,462	10,245,494	10,814,730	10,437,074			
8,542,218,042	MNLTHC IC,DIG,SI,EX VOLT,EEPROM,64-512 KILOBITS	4,789,582	4,319,299	4,940,533	3,725,546	3,480,217			
8,542,218,048	MONOLITHIC INTEG CIRCUIT, DIGITL,(EEPROM),ELEC ERAS								
8,542,218,049	MNLTHC IC,DIG,SI,EX VOLT,EEPROM, GT 512 KILOBITS	51,437,655	96,032,735	149,000,000	238,352,817	174,276,658			
8,542,218,051	MNLTHC IC,DIG,SI,NOT VOLT,EPROM, LT=64 KILOBITS	242,130	91,657	281,220	223,198	700,935			
8,542,218,052	MNLTHC IC,DIG,SI,EX VOLT,EPROM,64-512 KILOBITS	1,163,732	1,147,016	474,883	325,270	253,935			
8,542,218,058	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, (EPROM)								
8,542,218,059	MNLTHC IC,DIG,SI,EX VOLT,EPROM,GT 512KILOBITS	2,902,466	5,025,458	1,040,447	354,646	1,283,197			
8,542,218,060	MONOLITHIC IC, DIGITAL, SILICON,OTHER MEMORY,NESOI	2,982,593	1,206,169	2,907,828	9,449,992	12,104,357			
8,542,218,071	MONO IC,DIG,SI,MICROPROC LT=8 BITS	34,535,811	37,440,953	33,727,301	32,838,649	36,746,300			
8,542,218,072	MNLTHC IC,DIG,SI,MICROPROCESS 16 BITS	487,673	610,709	1,345,314	3,502,352	17,930,302			
8,542,218,079	MONO IC,DIG,SI, MICROPROCESSORS GT=32 BITS	5,805,286	83,241,106	204,000,000	253,022,631	221,969,246			
8,542,218,081	MNLTHC IC,DIG, SI, TRANSISTOR-TRANSISTOR LOGIC	263,664	1,136,613	702,238	658,480	2,452,478			
8,542,218,082	MNLTHC IC,DIG,SI,EMITTER-COUPLED LOGIC (ECL)	95,714	5,103	59,504	85,534	239,752			
8,542,218,088	MONOLITHIC INTEGRATED CIRCUITS OF SI, DIG, NESOI								
8,542,218,089	MONOLITHIC IC OF SILICON, DIGITAL, NESOI	138,000,000	91,202,037	125,000,000	116,053,639	176,617,819			
8,542,218,091	MONOLITHIC IC,DIGITAL, MEMRY, (EXCPT SILCON)	1,626,010	61,083	633,346	80,335	762,024			
8,542,218,099	MONOLITHIC IC, DIGITAL, EXCEPT SILCON, NESOI	3,201,244	431,977	1,537,009	3,837,560	5,706,158			
8,542,290,010	CHPS,DCE,WFRS MONOLITHIC INTEGRAT CIRCUIT,NESOI	12,191,476	12,810,177	30,383,536	36,737,642	40,953,674			
8,542,290,020	MONOLITHIC IC'S,EXEPT DIGL,OPRAT FREQ GT= 100MHZ	751,977	3,319,567	4,304,909	6,372,542	27,852,856			
8,542,290,030	MONOLITHIC IC, FREQUENCY LT 100 MHZ, LOGIC,MIX SIG	8,329,940	9,117,300	8,771,401	9,699,993	18,100,136			
8,542,290,040	MONOLITHIC IC,FREQ LT 100 MHZ, MIX SIGNAL, NESOI	20,486,602	15,024,450	18,292,012	26,055,114	38,866,977			
8,542,290,050	MONOLITHIC IC,OPERATING FREQUENCY LT 100 MHZ, NESOI	35,949,025	60,344,169	85,040,422	130,426,549	199,685,141			
8,542,300,040	UNMOUNTED CHIPS, DICE, WAFERS FOR MONOLITHIC INTEG	8,712,985							
8,542,300,060	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	66,619							
8,542,300,065	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	28,307,593							
8,542,300,080	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	5,426,410							
8,542,300,090	MONOLITHIC INTEGRATED CIRCUITS, WITH AN OPERATING	10,545,149							
8,542,310,000	PROCESSORS & CONTOLLERS W/NOT COMBO W MEMORIS, ETC							377,048,586	408,589,925
8,542,320,001	DYNAMIC READ-WRITE RANDOM ACCESS MEMORY LT=128 MB							15,348,677	4,791,760
8,542,320,015	ELEC IC, MEM, DYNAMIC READ/WRITE, NT OVR 1 GB								
8,542,320,020	DYNAMIC READ-WRITE RANDOM ACCESS GT 128 LT=256MB							129,298,951	22,568,410
8,542,320,021	DRAM GT 256 LT=512MB							172,257,424	46,713,874
8,542,320,022	DRAM GT 512MB LT=1GB							14,440,367	46,047,397
8,542,320,023	DRAM OVER 1 GB							1,374,240	7,206,532
8,542,320,024	ELEC IC, MEMORY,DRAM, GT 1 GB								
8,542,320,040	STATIC READ-WRITE RANDOM ACCESS (SRAM)							2,657,368	3,827,455
8,542,320,050	ELECTRICALLY ERASABLE PROGRAMBLE READ-ONLY MEMORY							347,218,517	198,363,960
8,542,320,060	ERASABLE (EXP ELECTIC) PROGRAMMABLE READ ONLY MEM							1,438,754	2,716,556
8,542,320,070	ELECTRONIC INTEGRATED CIRCUIT MEMORIES,NESOI							26,498,144	22,728,014
8,542,330,000	ELECTRONIC INTEGRATED CIRCUITS, AMPLIFIERS							27,241,261	45,581,209
8,542,390,000	ELECTRONIC INTEGRATED CIRCUITS, NESOI							269,201,509	266,547,427
8,542,400,075	HYBRID INTEGRATED CIRCUITS, WITH AN OPERATING FREQ	2,689,736							
8,542,400,095	HYBRID INTEGRATED CIRCUITS, NESOI	20,073,264							
8,542,500,000	ELECTRONIC INTEGRATED CIRCUITS ,NESOI, AND MICROAS	1,240,714							
8,542,600,075	HYBRID INTEGRATED CIRCUITS,WITH FREQUENCY GE 30MHZ		2,008,571	4,574,496	9,338,845	33,739,508	10,828,336		
8,542,600,095	HYBRID INTEGRATED CIRCUITS, NESOI		16,079,861	9,020,519	16,859,369	23,153,214	24,194,806		
8,542,700,000	ELECTRONIC MICROASSEMBLIES		2,510,546	5,499,853	9,953,031	12,306,990	25,004,159		
8,542,900,000	PARTS FOR ELECTRONIC INTEGRATED CIRCUITS AND MICRO	9,958,390	29,209,575	24,297,299	41,027,742	57,653,508	42,342,926	39,109,826	29,242,821
8,543,100,000	PARTICLE ACCELERATORS, NESOI							469,016	85,330
8,543,110,000	ION IMPLANTERS DESIGNED FOR DOPING SEMICONDUCTOR W		5,688	2,707	156,326			12,138	
8,543,190,000	PARTICLE ACCELERATORS, NESOI	234,975	11,673	9,450	8,281	38,152	150,306		
8,543,200,000	SIGNAL GENERATORS	1,041,543	1,441,544	2,014,605	2,880,689	2,505,526	3,177,326	6,247,832	5,686,495
8,543,702,000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI							80,430	185,771
8,543,706,000	ART. FOR CONNECTN TO TELEGRAPH/TELEPHON APP/NETWKS							1,241,979	5,274,343
8,543,891,000	PVD APPARATUS FOR PROCESS OF SEMICONSUTOR MATS			153,392	13,159	1,402,501	53,822		
8,543,892,000	PHYSICAL VAPOR DEPOSITION (PVD) APPARATUS, NESOI							65,701	
8,544,700,000	INSULATED OPTICAL FIBER CABLES WITH INDIVIDUALLY S	11,794,733	10,732,428	12,126,812	27,871,979	44,289,659	70,949,933	77,071,609	93,795,130
8,802,110,030	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH								
8,802,110,045	NEW HELICOPTERS, NON-MILITARY, UNLDN WT 998-2000KG								
8,802,120,040	NEW HELICOPTERS, NON-MILITARY, OF AN UNLADEN WEIGH								
8,802,300,030	NEW MULTIPLE ENGINE AIRPLANES, NON-MILITARY, OF AN								
8,802,300,040	NEW TURBOFAN POWERED AIRPLANES, NON-MILITARY, OF A								
8,802,300,050	NEW MULTI ENG PLANES,NOT TURBOFAN,(4536-15000 KG)								
8,802,400,040	NEW AIRCRAFT PASSENGER TRANSPORTS, NON-MILITARY, O								
8,802,400,060	NEW AIRCRAFT CARGO TRANSPORTS, NON-MILITARY, OF AN								
8,802,603,000	COMMUNICATIONS SATELLITES								
8,803,100,010	PROPELLERS AND ROTORS AND PARTS THEREOF FOR USE IN								
8,803,100,015	PROPS & RTRS & PARTS FOR CVL ARCT, FOR DOD OR USCG							3,307	

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
8,803,200,030	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN CIVIL	1,353,995	149,929	20,983	23,495	282,862	341,871	1,230,539	1,372,130
8,803,200,050	UNDERCARRIAGES AND PARTS THEREOF FOR USE IN MILITA								
8,803,200,060	UNDERCARRIAGES & PARTS THEREOF FOR MILITARY AIR			67,200		55,652	124,552	4,038	26,178
8,803,300,010	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN								
8,803,300,015	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO		164,743	11,500		18,715	3,765	14,428	53,952
8,803,300,030	OTHER PARTS OF AIRPLANES OR HELICOPTERS, NESOI, FO	55,862,988	50,581,021	51,860,283	67,615,910	70,546,148	114,507,201	154,877,611	165,468,035
8,803,300,050	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN								
8,803,300,060	OTHER PARTS OF AIRPLANES OR HELICOPTERS FOR USE IN	1,235,828	2,183,094	8,939,280	10,601,781	12,415,543	14,220,324	19,812,655	21,735,283
8,803,903,000	PARTS OF COMMUNICATIONS SATELLITES					122,900	3,960	103,125	100,780
8,805,200,000	GROUND FLYING TRAINERS AND PARTS THEREOF	39,168							
8,805,210,000	AIR COMBAT SIMULATORS AND PARTS THEREOF		11,334						2,676
8,805,290,000	GROUND FLYING TRAINERS AND PARTS THEREOF, NESOI		2,453	23,392	13,522	13,858	110,587	85,204	70,846
9,001,100,000	OPTICAL FIBERS, OPTICAL FIBER BUNDLES AND CABLES E								
9,001,100,030	OPTICAL FIBERS FOR TRANSMISSION OF VOICE, DATA OR	25,134,835	4,792,605	2,369,200	3,352,319	3,386,642	2,645,329	5,031,018	2,010,153
9,001,100,070	OPTICAL FIBERS EXCEPT OF PLASTIC, NESOI	2,139,682	1,473,791	472,971	494,613	77,461			184,655
9,001,100,085	OPTICAL FIBERS BUNDLES AND CABLE OTHER THAN THOSE	1,178,995	628,453	670,386	696,159	1,211,888	849,459	1,015,668	2,243,998
9,001,901,000	LENSES, PRISMS, AND MIRRORS, UNMOUNTED, NESOI								
9,001,904,000	LENSES, UNMOUNTED, NESOI	15,814,527	13,741,121	15,785,384	16,727,008				
9,001,905,000	PRISMS, UNMOUNTED, NESOI	1,424,767	848,574	1,308,683	1,437,191				
9,001,906,000	MIRRORS, UNMOUNTED, NESOI	1,104,093	1,218,068	1,154,188	2,078,602				
9,001,909,000	OPTICAL ELEMENTS, UNMOUNTED, NESOI	10,747,573	3,349,737	6,514,510	15,221,436				
9,002,902,000	PRISMS MOUNTED, NESOI	265,945	256,286	681,675	1,693,790				
9,002,904,000	MIRRORS MOUNTED, NESOI	633,245	740,941	1,552,354	1,336,164				
9,002,909,000	OPTICAL ELEMENTS, NESOI	2,750,585	2,905,552	2,262,844	2,916,148	3,254,434	5,692,602	8,672,514	12,054,796
9,005,100,020	PRISM BINOCULARS FOR USE WITH INFRARED LIGHT	87,214	241,625	1,486,766	83,309	1,615,191	6,364,307	293,321	2,785,382
9,005,804,020	OPTICAL TELESCOPES FOR USE WITH INFRARED LIGHT	18,614	157,445	37,036	11,000	51,570	66,574	150,466	383,198
9,005,804,040	OPTICAL TELESCOPES EXCEPT FOR USE WITH INFRARED LI	26,896,147	27,000,723	40,723,307	41,923,583	40,094,031	47,400,552	45,844,793	45,050,385
9,006,610,040	DISCHARGE LAMP AND FLASHLIGHT APPARATUS CAPABLE OF	425,494	137,903	413,375	1,356,136	454,168	2,208,694	2,099,537	1,839,596
9,007,914,000	PARTS FOR CAMERAS	93,651	159,062	355,848	524,040	3,595,884	3,493,610	3,023,103	3,290,523
9,010,410,000	DIRECT WRITE-ON-WAFER APPARATUS								
9,010,410,040	E-BEAM DIRECT WRITE WAFER, PROJTN OF CIRCUIT PATRN						6,843		
9,010,410,080	DIRECT WRIT WAFER APPT, FOR PROJTN OF CIRCUIT, NESOI					2,145			
9,010,420,000	STEP AND REPEAT ALIGNERS FOR THE PROJECTION OF CIR								
9,010,480,000	APPARATUS FOR THE PROJECTION OF CIRCUIT PATTERNS O		70,524				2,380		
9,011,100,000	STEREOSCOPIC MICROSCOPES								
9,011,104,000	STEREOSCOPIC MICROSCOPES WITH MEANS TO PHOTO IMAGE					1,505,211	1,592,944	1,969,749	1,306,969
9,011,108,000	STEREOSCOPIC MICROSCOPES, NESOI					3,366,051	3,647,098	4,309,639	5,772,778
9,011,200,000	MICROSCOPES, FOR MICROPHOTOGRAPHY&CINEMA ETC,NESOI								
9,011,204,000	MICROSCOPES, WITH MEANS TO PHOTOGRAPH THE IMAGE					1,550,806	1,459,958	1,654,535	2,959,390
9,011,208,000	MICROSCOPES, EXC WITH MEANS TO PHOTOGRAPH IMAGE					1,573,509	1,864,786	3,453,554	3,578,399
9,011,800,000	OTHER COMPOUND OPTICAL MICROSCOPES, NESOI	15,028,922	16,588,970	16,042,513	17,735,462	19,502,300	18,214,949	20,828,192	23,858,891
9,011,900,000	PARTS AND ACCESSORIES FOR COMPOUND OPTICAL MICROSC	4,031,264	4,442,438	5,155,068	7,064,904	6,411,781	6,078,340	6,720,092	6,146,639
9,012,100,000	MICROSCOPES OTHER THAN OPTICAL MICROSCOPES, DIFFRA	304,300	201,025	1,103,797	180,264	1,210,794	775,709	315,346	127,871
9,012,900,000	PARTS AND ACCESSORIES FOR MICROSCOPES OTHER THAN O	1,066,588	939,229	1,047,840	1,201,714	878,769	1,507,890	2,309,361	2,179,556
9,013,103,000	TELESCOPIC SIGHTS FOR RIFLE, NESOI	382,347	194,867	209,361	456,248	692,022	875,803	2,412,499	3,129,143
9,013,104,000	PERISCOPIES, TELESCOPES DESIGNED TO FORM PARTS OF M	420,141	3,492,866	3,797,883	5,030,248	4,764,092	4,823,308	3,326,126	3,204,509
9,013,200,000	LASERS, OTHER THAN LASER DIODES					2,059,869	2,884,941	6,381,545	7,417,364
9,013,800,000	OPTICAL DEVICES, APPLIANCES AND INSTRUMENTS, NESOI								
9,014,101,000	OPTICAL DIRECTION FINDING COMPASSES	790,018	259,748	438,685	594,327				
9,014,106,040	GYROSCOPIC COMPASSES, OTHER THAN ELECTRICAL FOR US								
9,014,106,080	GYROSCOPIC COMPASSES, EXC ELEC, EXC CIVIL AIRCRAFT								
9,014,107,030	GYROSCOPIC ELECTRICAL DIRECTION FINDING COMPASSES	22,500	7,200	4,900	12,690	37,224	33,200	120,078	86,961
9,014,107,040	GYROSCOPIC COMPASSES, ELECTRICAL FOR USE IN CIVIL								
9,014,107,060	OTHER ELECTRICAL DIRECTION FINDING COMPASSES	886,012	834,971	1,856,386	403,458	1,079,429	844,383	1,350,187	2,807,195
9,014,107,080	GYROSCOPIC COMPASSES, ELECTRICAL, EXCEPT FOR USE I								
9,014,109,080	DIRECTION FINDING COMPASSES, EXCEPT FOR USE IN CIV								
9,014,202,000	OPTICAL INSTRUMENTS AND APPLIANCES FOR AERONAUTICA			24,284	50,000	6,530	57,105	78,758	37,346
9,014,204,000	AUTOMATIC PILOTS FOR AERONAUTICAL OR SPACE NAVIGAT		78,134		200,516	191,211	4,997	19,443	30,984
9,014,206,000	ELECTRICAL INSTRUMENTS AND APPLIANCES FOR AERONAUT	20,033	11,429	831,360	19,131	105,666	133,656	18,815	19,980
9,014,208,040	INSTRUMENTS AND APPLIANCES FOR USE IN CIVIL AIRCRA	198,839	120,086	312,206	288,904	959,206	20,000	3,000	232,159
9,014,208,080	INSTRUMENTS AND APPLIANCES FOR AERONAUTICAL OR SPA	921,338	923,952	1,397,687	1,337,144	901,631	1,832,146	1,128,605	1,444,323
9,014,801,000	OTHER OPTICAL INSTRUMENTS FOR NAVIGATION, NESOI	178,511	214,074	160,875	235,736	253,318	422,321	252,665	316,131
9,014,802,000	SHIP LOGS AND DEPTH-SOUNDING APPARATUS FOR NAVIGA	356,313	327,541	1,198,805	534,052	804,755	1,107,835	1,121,811	11,940,949
9,014,804,000	OTHER ELECTRICAL INSTRUMENTS AND APPLIANCES FOR NA	2,914,742	2,935,264	2,825,599	1,585,431	2,416,257	13,038,341	5,064,092	11,250,243
9,014,805,000	OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES, NES	16,404	30,861	29,891	286,847	136,462	336,967	218,596	1,614,359
9,014,900,000	PARTS & ACCESSORIES FOR DIRECTION FINDING COMPASSE								
9,014,902,080	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	2,160	15,000						
9,014,904,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	3,425	188,887	56,986	266,660				
9,014,906,000	PARTS AND ACCESSORIES FOR NAVIGATIONAL INSTRUMENTS	588,019	1,986,110	1,348,026	3,460,727				
9,015,100,000	RANGEFINDERS								
9,015,104,000	ELECTRICAL RANGEFINDERS	10,898,676	17,219,291	7,442,998	15,266,791	27,909,838	50,157,835	56,785,088	57,721,967
9,015,108,000	RANGEFINDERS, EXCEPT ELECTRICAL	3,124,858	517,103	505,135	570,450	1,277,427	579,850	1,091,502	691,078
9,015,204,000	ELECTRICAL THEODOLITES AND TACHYMETERS	12,210	5,250	379,023	1,512,407	2,887,313	5,539,593	7,007,590	5,775,927
9,015,304,000	ELECTRICAL SURVEYING LEVELS	9,096,305	17,101,552	33,513,499	18,931,053	8,428,149	6,944,549	8,037,819	8,753,704
9,015,400,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS & APPLNCS								
9,015,404,000	ELECTRICAL PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS			10,000	52,592	529,012	781,605	1,047,917	820,815
9,015,408,000	PHOTOGRAMMETRICAL SURVEYING INSTRUMENTS AND APPLIA	110,599	419,723	354,097	105,463	31,830	517,423	10,105	118,071
9,015,802,000	OPTICAL INSTRUMENTS AND APPLIANCES FOR SURVEYING	190,291	906,882	2,952,988	1,847,972	1,919,835	2,241,612	2,864,320	2,796,760
9,015,806,000	SEISMOGRAPHS					9,614	16,074	115,695	545,454
9,015,808,040	GEOPHYSICAL INSTRUMENTS AND APPLIANCES, NESOI	33,659	645,041	281,291	493,183	2,155,910	3,003,969	7,001,490	8,159,179
9,015,808,080	OTHER SURVEYING INSTRUMENTS AND APPLIANCES, EXCLUD	5,680,347	7,761,407	10,363,319	12,080,145	7,353,802	8,192,397	11,174,502	19,408,106
9,015,900,000	PARTS AND ACCESSORIES FOR SURVEYING					4,987			
9,017,205,000	PATTERN GENERATION APPTS DESIGNED TO PRODUCE MASKS	14,137							
9,017,207,000	OTHER DRAWING, MARKING-OUT OR MATHEMATICAL CALUCLA		15,927	116,082	256,982	85,725	327,609	1,390,012	1,206,414
9,017,208,040	HAND OPERATED INPUT DEVICES WHICH TRANSMIT POSITIO	360,773	256,745	2,380,310	4,377,395	22,209,739	15,884,832	406,655	1,865,333
9,018,110,040	ELECTROCARDIOGRAPHS								
9,018,113,000	ELECTROCARDIOGRAPHS	5,062,236	1,755,119	2,335,290	2,173,868	2,047,120	2,977,934	2,523,793	2,210,545
9,018,116,000	PRINTED CIRCUIT ASSEMBLIES FOR ELECTROCARDIOGRAPHS	51,156	15,709	244,993	1,466,823	768,818	1,225,862	1,208,941	832,390
9,018,119,000	PARTS AND ACCESSORIES FOR ELECTROCARDIOGRAPHS,NESOI	607,067	1,323,932	1,250,191	1,250,770	3,720,999	2,131,096	2,928,306	2,532,076
9,018,120,000	ULTRASONIC SCANNING APPARATUS	677,006	1,812,211	7,790,226	12,305,231	12,969,503	16,548,964	20,221,963	20,635,098
9,018,130,000	ELECTRO-DIAGNOSTIC APPARATUS, MAGNETIC RESONANCE	1,563,572	3,418,426	2,179,719	2,725,702	8,384,621	7,893,531	8,339,522	21,280,724
9,018,140,000	ELECTRO-DIAGNOSTIC APPARATUS, SCINTIGRAPHIC APPARA			22,752	665,616		140,710	291,263	344,002
9,018,194,000	ELECTRO-DIAGNOSTIC APPARATUS FOR FUNCTIONAL EXPLOR	734,196	1,582,987	1,889,717	2,002,772	2,573,992	2,786,5		

US Imports of Advanced Technology Products From China

Code	ATP Commodity Description	Import 2001	Import 2002	Import 2003	Import 2004	Imports 2005	Imports 2006	Import 2007	Import 2008
9,019,102,000	MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;								
9,019,102,010	MECHANO-THERAPY APPLIANCES	7,267,918	6,404,373	5,980,577	5,995,620				
9,019,102,020	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY	57,143,717	52,454,016	45,509,838	47,736,740				
9,019,102,030	MASSAGE APPARATUS; ELECTRICALLY OPERATED; BATTERY	26,920,956	29,167,828	31,445,218	30,160,194				
9,019,102,035	MASSAGE APPARATUS, POWERED BY AC ADAPTER	59,055,594	88,866,514	49,391,102	59,218,943				
9,019,102,045	MASSAGE APPARATUS, ELECTRICALLY OPERATED (EXCEPT BA	58,999,221	61,484,998	106,000,000	119,000,000				
9,019,102,050	MASSAGE APPARATUS NOT ELECTRICALLY OPERATED	5,610,279	7,337,539	8,698,452	10,635,681				
9,019,102,090	MECHANO-THERAPY APPLIANCES AND MASSAGE APPARATUS;	5,170,865	4,857,231	5,935,675	11,867,170				
9,019,106,000	PSYCHOLOGICAL APTITUDE TESTING APPARATUS AND PARTS	104,575	182,728	198,154	337,480				
9,019,200,000	OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, AR	14,925,975	21,671,292	28,976,599	40,688,346	65,393,776	100,364,743	118,584,821	179,517,509
9,021,100,090	ORTHOPEDIC OR FRACTURE APPLIANCES & PTS, NESOI		35,218,921	42,058,564	63,750,551	77,213,330	99,477,302	113,824,277	129,312,691
9,021,110,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	342,192							
9,021,198,500	OTHER ORTHOPEDIC OR FRACTURE APPLIANCES AND PARTS	23,306,682							
9,021,300,000	OTHER ARTIFICIAL PARTS OF THE BODY AND PARTS AND AC	679,543							
9,021,310,000	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES		329,727	1,631,042	2,116,556	2,970,521	3,703,454	2,468,908	3,506,896
9,021,390,000	OTH ARTIFICIAL PTS OF THE BODY & PTS & ACCESSORIES		3,964,777	5,425,480	6,429,690	4,749,236	5,321,106	6,599,965	9,695,256
9,021,400,000	HEARING AIDS, EXCLUDING PARTS AND ACCESSORIES	1,268,461	4,465,885	5,534,748	1,418,710	2,989,645	52,153,635	126,014,023	153,049,435
9,021,500,000	PACEMAKERS FOR STIMULATING HEART MUSCLES, EXCLUDIN	22,380	6,775	67,585					
9,021,904,080	PARTS AND ACCESSORIES FOR PACEMAKERS FOR STIMULATI	17,078	11,913	11,115	120,147	34,369	39,005	230,670	16,655
9,022,120,000	APPRTUS BASED USE OF X-RAYS FOR MEDICAL, SURGICAL,	1,877,206	3,747,046	9,030,162	8,885,246	8,573,538	28,800,709	48,387,658	94,810,768
9,022,130,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,					13,658	167,277	235,072	244,095
9,022,140,000	APPARATUS BASED ON THE USE OF X-RAYS FOR MEDICAL,	14,704,925	13,239,019	13,347,499	10,519,928	15,622,544	11,222,681	14,691,889	12,827,107
9,022,190,000	APPARATUS BASED ON THE USE OF X-RAYS FOR OTHER USE	72,010	47,633	5,700	9,500	138,273	281,407	242,179	1,436,462
9,022,210,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA			16,690	6,490	227,420	102,404	108,632	1,735,755
9,022,298,000	APPARATUS BASED ON THE USE OF ALPHA, BETA OR GAMMA			7,192			8,652		
9,022,300,000	X-RAY TUBES	406,357	1,017,988	999,725	694,185	860,271	2,962,036	5,574,901	6,401,304
9,022,900,500	RADIATION GENERATOR UNITS	121,737	633,713	392,569	343,230	602,203	285,379	164,074	113,673
9,022,902,000	HIGH TENSION GENERATORS, CONTROL PANELS, DESKS, SC								
9,022,904,000	PARTS AND ACCESSORIES OF X-RAY TUBES	19,207	24,182	121,914	86,877	97,244	295,981	108,087	357,579
9,022,907,000	PARTS AND ACCESSORIES OF SMOKE DETECTORS, IONIZATI	2,328,074	2,260,632	2,100,593	786,164	418,350	77,138	3,321,267	948,845
9,022,909,500	PARTS AND ACCESSORIES OF HIGH TENSION GENERATORS,	136,024	109,820	149,590	513,980	1,560,500	1,180,553	4,761,038	2,661,825
9,024,100,000	MACHINES AND APPLIANCES FOR TESTING METALS	455,136	509,272	493,569	828,228	1,146,762	1,035,372	928,949	2,456,904
9,024,800,000	OTHER MACHINES AND APPLIANCES FOR TESTING THE HARD	168,357	192,962	309,276	500,513	643,524	670,128	829,624	1,950,942
9,024,900,000	PARTS AND ACCESSORIES FOR MACHINES & APPLIANCES FO								
9,027,202,000	GAS CHROMATOGRAPHS								
9,027,205,030	ELECTRICAL ELECTROPHORESIS INSTRUMENTS								
9,027,206,050	LIQUID CHROMATOGRAPHS								
9,027,209,000	CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS, NE								
9,027,308,020	SPECTROSCOPES, EXCEPT ELECTRICAL USING OPTICAL RAD			16,000	7,700	15,930	57,500	10,033	334,000
9,027,502,000	THERMAL ANALYSIS INSTRUMENTS AND APPARATUS								
9,027,504,050	ELECTRICAL PHOTOMETERS USING OPTICAL RADIATIONS		9,000	4,802,144	510,120	557,030	851,816	3,123,114	1,883,543
9,027,505,000	OTHER CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS,								
9,027,509,000	INSTRUMENT AND APPARATUS FOR PHYSICAL OR CHEMICAL								
9,027,801,000	NUCLEAR MAGNETIC RESONANCES INSTRUMENTS AND APPARA								
9,027,802,000	MASS SPECTROMETERS								
9,027,802,500	NUCLEAR MAGNETIC RESONANCES INST EXC HEADING 9018								
9,027,802,600	MASS SPECTROMETERS								
9,027,803,100	ELECTROCHEMICAL INSTRUMENTS AND APPARATUS,								
9,027,803,200	CHEMICAL ANALYSIS INSTRUMENTS AND APPARATUS, NESOI								
9,027,808,000	INSTRUMENTS AND APPARATUS FOR MEASURING/CHECKING V								
9,027,902,000	MICROTOMES	656,527	642,379	395,536	529,027	554,200	525,004	636,693	706,433
9,027,905,430	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND								
9,027,905,440	PARTS AND ACCESSORIES OF ELETRICAL INSTRUMENTS AND								
9,027,908,950	PARTS AND ACCESSORIES OF INSTRUMENTS & APPARATUS F								
9,029,206,000	STROBOSCOPES	81,699	30,815	56,634	65,760	43,025	486,169	452,564	766,802
9,030,100,000	INSTRUMENTS AND APPARATUS FOR MEASURING OR DETECTI	161,328	88,264	345,100	1,135,411	176,085	27,468	2,508,921	2,932,378
9,030,200,000	CATHODE-RAY OSCILLOSCOPES AND CATHODE-RAY OSCILLOG	341,625	195,904	157,171	429,725	511,076	584,085		
9,030,200,500	OSCILLOSCOPES AND OSCILLOGRAPHS, TELECOMMUNICATION							73,207	233,841
9,030,201,000	OSCILLOSCOPES AND OSCILLOGRAPHS, EXCEPT TELECOMM							46,038,874	61,127,411
9,030,201,500	OSCILLOSCOPES AND OSCILLOGRAPHS								
9,030,310,000	MULTIMETERS	11,186,029	14,337,698	23,292,959	41,848,180	49,332,020	55,383,108	47,361,609	27,823,231
9,030,320,000	MULTIMETERS, WITH A RECORDING DEVICE							9,766,969	25,796,748
9,030,330,040	APPARATUS TO TEST VOLT/CURRENT/RESISTANCE W/O REC							37,484,729	43,691,210
9,030,330,080	INST&APPTS FOR MEASURING/CHECKING POWER, NESOI							10,267,747	4,969,541
9,030,390,040	APPARATUS TO TEST VOLTAGE OR CURRENT OR RESISTANCE	12,589,101	16,215,888	19,663,342	21,090,758	21,043,757	28,798,011		
9,030,390,080	OTHER INSTRUMENTS AND APPARATUS FOR MEASURING OR C	5,022,184	4,640,999	4,430,711	4,351,610	9,746,025	7,318,204		
9,030,400,000	OTHER INSTRUMENTS AND APPARATUS, SPECIALLY DESIGNE	12,205,283	8,733,627	8,404,956	13,251,858	13,412,514	21,287,027	39,511,097	47,653,323
9,030,820,000	INSTR AND APPAR FOR MEASURING OR CHECKING SEMICOND	268,679	580,292	4,802,646	12,492,209	4,446,753	31,172,620	41,824,789	25,816,570
9,030,906,400	PRINTED CIRCUIT ASSEMBLIES OF INSTRUMENTS AND APPA	253,978	81,544	131,879	1,304,206	1,833,342	11,209,275	35,985,230	16,908,667
9,030,906,800	PRINTED CIRCUIT ASSEMBLIES EXCEPT FOR 9030.10.NESOI	1,736,098	1,187,826	1,632,913	5,967,315	4,740,122	11,835,588	11,024,337	23,559,625
9,031,410,000	OPTICAL INSTRUMENTS FOR INSPECTING SEMICONDUCTOR								
9,031,410,020	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	6,000	9,796			8,295		80,864	446,183
9,031,410,040	OTHER OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPE		10,438	14,417	383,365	419,103	13,737	49,694	104,228
9,031,410,060	OPTICAL INSTRUMENTS AND APPLIANCES FOR INSPECTING	21,497	24,786	18,745	20,148	117,875	282,642	479,681	358,189
9,031,494,000	COORDINATE-MEASURING MACHINES	4,800	4,712	893,620	662,830	225,754	471,422	505,568	282,027
9,031,804,000	ELECTRON BEAM MICROSCOPES FITTED WITH EQUIPMENT SP	105,604	38,396	101,127	17,227		616,900	21,103	104,268
9,031,808,060	EQUIPMENT FOR TESTING ELECTRICAL CHARACTERISTICS O								
9,031,900,000	PARTS & ACCESSORIES OF MACHINES, NESOI IN THIS CHA								
9,032,100,000	THERMOSTATS								
9,032,100,030	THERMOSTATS, AIR COND, REFG/HEATING SYS WALL MOUNT		30,074,053	43,450,733	67,255,379	94,310,255	98,833,747	80,737,453	96,091,613
9,032,100,060	THERMOSTATS, AIR COND, REFG/HEAT SYS EXC WALL MOUNT		6,732,072	11,019,807	14,416,809	15,847,604	19,141,983	21,496,813	28,185,459
9,032,100,090	THERMOSTATS, NESOI		17,427,236	19,509,007	23,396,098	32,515,426	40,165,194	39,835,882	34,221,347
9,032,810,040	HYDRAULIC OR PNEUMATIC INDUSTRIAL PROCESS CONTROL								
9,032,810,080	HYDRAULIC AND PNEUMATIC INSTRUMENTS AND APPARATUS	12,273	354,556	1,151,435	1,366,349	1,156,188	1,276,491	1,273,498	480,618
9,032,893,000	AUTOMATIC VOLTAGE AND VOLTAGE-CURRENT REGULATORS								
9,032,896,020	CONTROL INSTRUMENTS FOR AIR CONDITIONING, REFRIGER								
9,032,896,030	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR COMF	20,200	144,233	5,720	39,998	690,442	718,491	1,000,981	563,017
9,032,896,040	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR TEMP	4,294,146	17,169,006	15,256,984	6,012,272	2,459,782	16,316,092	16,552,850	13,907,977
9,032,896,050	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR PRES	65,855	94,896	553,983	718,639	952,949	749,895	1,110,130	3,042,261
9,032,896,060	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR FLOW	2,299,643	2,192,175	5,428,537	18,443,380	9,219,177	5,505,950	3,847,019	4,118,902
9,032,896,070	PROCESS CONTROL INSTRUMENTS AND APPARATUS FOR HUMI	497,115	1,286,212	1,688,214	1,986,017	2,164,453	557,126	1,116,746	1,952,718
9,032,896,075	OTHER PROCESS CONTROL INSTRUMENTS AND APPARATUS, N	1,368,550	1,242,422	1,163,003	5,553,815	9,590,522	12,525,335	11,473,116	15,793,655
9,301,200,000	ROCKET LAUNCHERS & SIMILAR PROJECTORS (MIL)								
9,301,909,030	MACHINE GUNS, MILITARY								
9,304,002,000	RIFLES WHICH EJECT MISSILES BY RELEASE OF COMPRESSE	2,338,181	2,355,568	1,684,927	3,791,067	8,549,083	22,036,068	29,685,266	46,253,209
9,304,006,000	OTHER ARMS, EXCLUDING THOSE OF HEADING 9307, NESOI	476,369	372,816	758,443	850,898	1,175,701	1,793,152	3,283,476	4,088,550
9,305,108,000	PARTS AND ACCESSORIES OF REVOLVERS AND PISTOLS, NE	22,76							