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## Section 21

# Manufactures

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This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected products. The types of measures shown at the different levels include data for establishments, employment and payroll, plant and equipment expenditures, value and quantity of production and shipments, value added by manufacture, inventories, and various indicators of financial status.

The principal sources of these data are U.S. Census Bureau reports of the censuses of manufactures conducted every 5 years, the *Annual Survey of Manufactures*, and *Current Industrial Reports*. Reports on current activities of industries or current movements of individual commodities are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations.

Data on financial aspects of manufacturing industries are collected by the U.S. Census Bureau (see especially Tables 987–989) as part of the Quarterly Financial Report. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the Securities and Exchange Commission. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 15, Business Enterprise.

Several private trade associations provide industry coverage for certain sections of the economy. They include the Aluminum Association (Table 996), American Iron and Steel Institute (Tables 997 and 998), Consumer Electronics Association (Table 1004), and the Aerospace Industries Association (Tables 1009 and 1011). Machine tool consumption data (Table 1000) is

produced jointly by the Association for Manufacturing Technology and American Machine Tool Distributors Association.

**Censuses and annual surveys**—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967, it has been taken every 5 years (for years ending in “2” and “7”). Results from the 2002 census are presented in this section utilizing the NAICS (North American Industry Classification System). For additional information see text, Section 15, Business Enterprise, and the Census Bureau Web site at <<http://www.census.gov/econ/census02/>>. Census data, either directly reported or estimated from administrative records, are obtained for every manufacturing plant with one or more paid employees.

The *Annual Survey of Manufactures* (ASM), conducted for the first time in 1949, collects data for the years between censuses for the more general measure of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The 2004 annual survey is based on a sample of about 50,000 from a universe of 346,000 establishments. These establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 2002 Census of Manufactures. For the current panel of the ASM sample, all establishments of companies with 2002 shipments in manufacturing in excess of \$500 million were included in the survey with certainty. For the remaining portion of the mail survey, the establishment was defined as the sampling unit. For this portion, all establishments with 500 employees or more and establishments with a very large value of shipments also were included. Therefore, of the 50,000 establishments included in the ASM panel, approximately

24,000 are selected with certainty. Smaller establishments in the remaining portion of the mail survey were selected by sample.

**Establishments and classification**—Each of the establishments covered in the 2002 Economic Census—Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 2002 NAICS Manual. In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments, which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry's output should be considered.

The censuses of manufactures for 1947 through 1992 cover operating manufacturing establishments as defined in the Standard Industrial Classification Manual

(SIC), issued by the U.S. Office of Management and Budget (see text, Section 12). The Manual was also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the Manual. It is important to note, therefore, that the 1987 edition of the Manual was used for the 1987 and 1992 censuses; and the 1972 edition of the Manual and the 1977 Supplement were used for the 1972 through 1982 censuses.

**Establishment**—Establishment signifies a single physical plant site or factory. It is not necessarily identical to the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location and include establishments with payroll at any time during the year. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

**Durable goods**—Items with a normal life expectancy of 3 years or more. Automobiles, furniture, household appliances, and mobile homes are common examples.

**Nondurable goods**—Items which generally last for only a short time (3 years or less). Food, beverages, clothing, shoes, and gasoline are common examples.

**Statistical reliability**—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Figure 21.1  
**GDP in Manufacturing by Industry: 2004**  
 (Billions of current dollars)

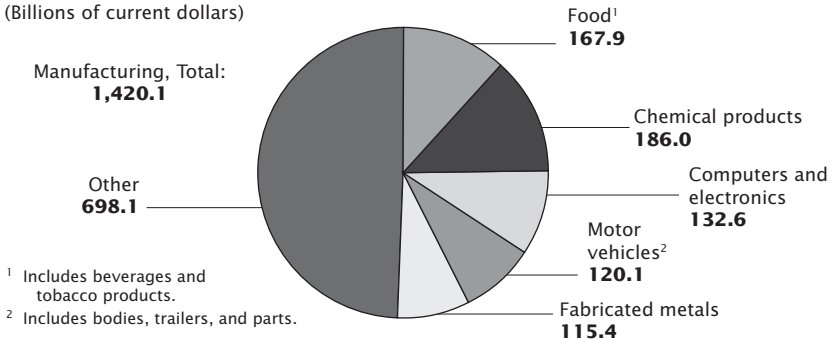
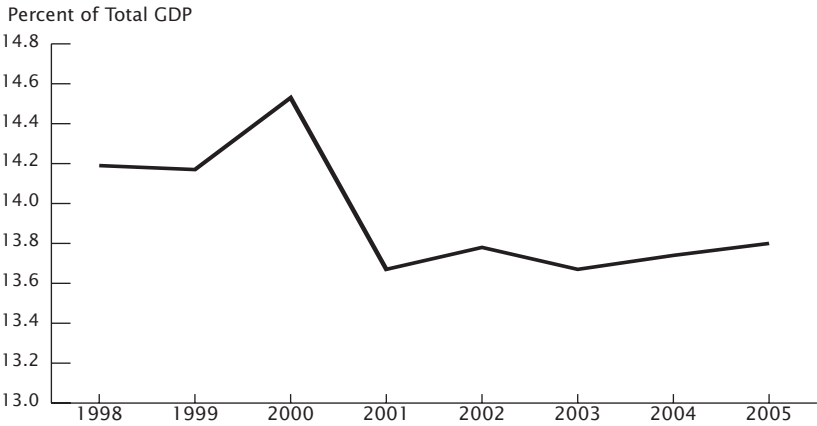
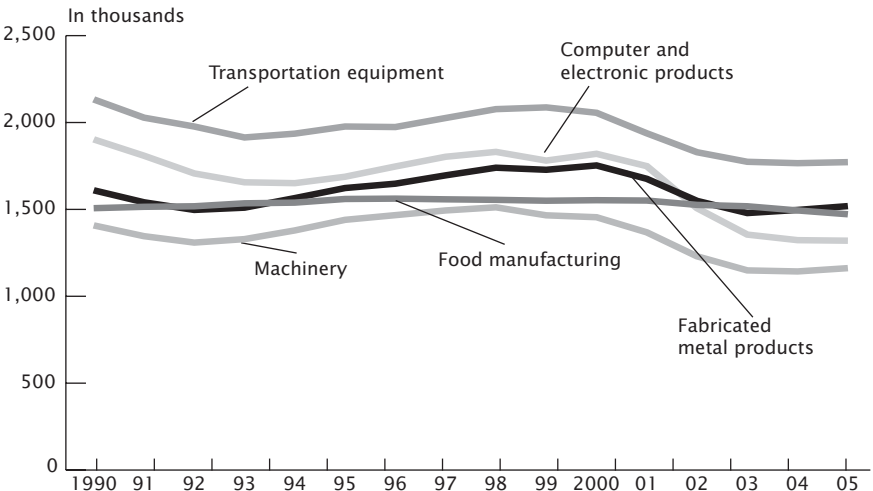


Figure 21.2  
**Manufacturing as a Percent of Total Gross Domestic Product (GDP): 1998 to 2005**



Source: Figure 21.1 and 21.2 charts prepared by U.S. Census Bureau. For data, see Table 971.

Figure 21.3  
**Employment in Top Five Manufacturing Industries: 1990 to 2005**



Source: Chart prepared by U.S. Census Bureau. For data, see Table 980.

**Table 971. Gross Domestic Product in Manufacturing in Current and Real (2000) Dollars by Industry: 2000 to 2005**

[In billions of dollars (9,817.0 represents \$9,817,000,000,000), except as indicated. Data are based on the 1997 North American Industry Classification System (NAICS) codes 31-33. Data include nonfactor charges (capital consumption allowances, indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

Industry	2000	2001	2002	2003	2004	2005
<b>CURRENT DOLLARS</b>						
<b>Gross domestic product, total</b> <sup>1</sup>	<b>9,817.0</b>	<b>10,128.0</b>	<b>10,469.6</b>	<b>10,971.3</b>	<b>11,734.3</b>	<b>12,487.1</b>
Manufacturing, total	1,426.2	1,341.3	1,352.6	1,369.2	1,420.1	1,496.5
Percent of total	14.53	13.24	12.92	12.48	12.10	11.98
Durable goods	865.3	778.9	774.8	785.5	824.1	868.4
Wood products	31.4	31.3	30.4	33.0	39.2	(NA)
Nonmetallic mineral products	45.7	44.9	45.9	46.2	49.7	(NA)
Primary metals	48.2	41.1	41.9	38.7	50.9	(NA)
Fabricated metal products	121.7	112.0	107.4	109.1	115.4	(NA)
Machinery	109.3	103.2	96.5	95.1	100.2	(NA)
Computer and electronic products	185.6	136.9	124.2	125.6	132.6	(NA)
Electrical equipment, appliances, and components	50.6	49.2	48.8	48.6	48.2	(NA)
Motor vehicles, bodies and trailers, and parts	118.1	103.7	118.9	129.9	120.1	(NA)
Other transportation equipment	64.4	69.2	69.6	65.0	66.9	(NA)
Furniture and related products	32.7	30.2	31.1	30.7	31.4	(NA)
Miscellaneous manufacturing	57.5	57.2	60.0	63.7	69.4	(NA)
Nondurable goods	561.0	562.5	577.9	583.7	596.1	628.1
Food and beverage and tobacco products	154.8	167.1	172.9	170.6	167.9	(NA)
Textile mills and textile product mills	26.5	22.7	21.9	22.7	23.3	(NA)
Apparel and leather and allied products	25.1	22.8	20.9	18.4	18.9	(NA)
Paper products	55.6	48.9	50.3	46.4	48.9	(NA)
Printing and related support activities	49.0	46.9	45.7	44.5	45.9	(NA)
Petroleum and coal products	26.2	33.4	26.2	33.5	34.8	(NA)
Chemical products	157.1	157.2	174.4	181.8	186.0	(NA)
Plastics and rubber products	66.7	63.4	65.5	65.6	70.3	(NA)
<b>CHAINED (2000) DOLLARS</b>						
<b>Gross domestic product, total</b> <sup>1</sup>	<b>9,817.0</b>	<b>9,890.6</b>	<b>10,048.8</b>	<b>10,320.6</b>	<b>10,755.7</b>	<b>11,134.8</b>
Manufacturing, total	1,426.2	1,346.9	1,384.4	1,410.4	1,478.1	1,536.6
Percent of total	14.53	13.62	13.78	13.67	13.74	13.80
Durable goods	865.3	813.6	827.7	863.2	917.8	970.1
Wood products	31.4	30.9	30.3	31.4	32.4	(NA)
Nonmetallic mineral products	45.7	45.2	45.5	46.6	49.0	(NA)
Primary metals	48.2	43.2	44.1	42.6	46.5	(NA)
Fabricated metal products	121.7	109.4	104.4	107.5	110.7	(NA)
Machinery	109.3	100.4	93.3	92.3	100.7	(NA)
Computer and electronic products	185.6	181.9	185.8	215.0	260.3	(NA)
Electrical equipment, appliances, and components	50.6	48.5	48.8	49.9	49.3	(NA)
Motor vehicles, bodies and trailers, and parts	118.1	104.6	127.5	143.2	139.2	(NA)
Other transportation equipment	64.4	65.2	64.2	57.9	58.0	(NA)
Furniture and related products	32.7	29.1	29.2	28.9	31.0	(NA)
Miscellaneous manufacturing	57.5	55.3	56.4	59.6	66.3	(NA)
Nondurable goods	561.0	533.1	555.7	548.8	563.8	572.8
Food and beverage and tobacco products	154.8	156.0	153.7	153.3	155.8	(NA)
Textile mills and textile product mills	26.5	21.5	21.4	23.1	23.2	(NA)
Apparel and leather and allied products	25.1	22.7	21.1	18.7	19.7	(NA)
Paper products	55.6	48.8	50.8	48.9	53.5	(NA)
Printing and related support activities	49.0	45.3	43.5	42.5	44.4	(NA)
Petroleum and coal products	26.2	23.9	32.5	26.1	24.7	(NA)
Chemical products	157.1	153.1	170.5	172.9	173.6	(NA)
Plastics and rubber products	66.7	61.4	62.9	64.0	70.8	(NA)

NA Not available. <sup>1</sup> For additional industry detail, see Table 649.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 2006. See also <<http://www.bea.gov/bea/newsrelarchive/2006/gdpind05.pdf>> (released 27 April 2006).

**Table 972. Manufacturing—Establishments, Employees, and Annual Payroll by Industry: 2003 and 2004**

[(113,398 represents 113,398,000). Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An *establishment* is a single physical location where business is conducted or where services or industrial operations are performed. See Appendix III]

Industry	2002 NAICS code <sup>1</sup>	2003			2004		
		Establishments, number	Employees <sup>2</sup> (1,000)	Annual payroll (mil. dol.)	Establishments, number	Employees <sup>2</sup> (1,000)	Annual payroll (mil. dol.)
<b>All industries, total</b> . . . . .	<b>(X)</b>	<b>7,254,745</b>	<b>113,398</b>	<b>4,040,889</b>	<b>7,387,724</b>	<b>115,075</b>	<b>4,253,996</b>
<b>Manufacturing, total</b> . . . . .	<b>31-33</b>	<b>341,849</b>	<b>14,132</b>	<b>576,058</b>	<b>339,083</b>	<b>13,822</b>	<b>592,830</b>
Percent of all industries . . . . .	(X)	4.7	12.5	14.3	4.6	12.0	14.0
Food manufacturing . . . . .	311	27,274	1,496	46,593	26,767	1,482	47,540
Beverage & tobacco product . . . . .	312	3,212	155	7,111	3,359	155	7,211
Textile mills . . . . .	313	3,840	255	7,366	3,638	224	6,875
Textile product mills . . . . .	314	7,289	188	4,997	7,117	171	4,905
Apparel manufacturing . . . . .	315	13,376	304	7,065	12,314	280	6,804
Leather & allied product . . . . .	316	1,519	44	1,265	1,475	43	1,307
Wood product . . . . .	321	16,808	524	15,891	16,783	535	17,594
Paper . . . . .	322	5,456	482	21,668	5,422	465	21,590
Printing & related support activities . . . . .	323	36,024	700	25,033	35,321	673	24,997
Petroleum & coal products . . . . .	324	2,299	98	6,487	2,457	104	7,776
Chemical . . . . .	325	13,247	841	48,532	13,364	823	48,816
Plastics & rubber products . . . . .	326	15,019	921	32,126	14,886	908	33,160
Nonmetallic mineral product . . . . .	327	16,446	468	18,087	16,714	472	18,963
Primary metal . . . . .	331	5,725	480	20,863	5,426	451	21,486
Fabricated metal product . . . . .	332	59,407	1,518	55,778	59,373	1,515	58,581
Machinery . . . . .	333	27,459	1,129	48,994	27,037	1,088	50,459
Computer & electronic product . . . . .	334	15,426	1,189	66,583	15,037	1,108	66,318
Electrical equip, appliance & component . . . . .	335	6,383	460	17,617	6,294	439	17,797
Transportation equipment . . . . .	336	12,503	1,607	79,967	12,705	1,626	85,128
Furniture & related product . . . . .	337	21,716	564	16,796	21,735	555	17,221
Miscellaneous . . . . .	339	31,421	708	27,239	31,799	703	28,702

X Not applicable. <sup>1</sup> North American Industry Classification System, 2002; see text, Section 15. <sup>2</sup> Covers full- and part-time employees who are on the payroll in the pay period including March 12.

Source: U.S. Census Bureau, "County Business Patterns"; annual. See <http://www.census.gov/epcd/cbp/view/cbpview.html>.

**Table 973. Manufacturing Establishments, Employees, and Annual Payroll by State: 2004**

[13,822 represents 13,822,000.] Data are for North American Industry Classification System (NAICS) 2002 codes 31-33. Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data. An *establishment* is a single physical location where business is conducted or where services or industrial operations are performed]

State	Establishments	Employees <sup>1</sup> (1,000)	Annual payroll (mil. dol.)	State	Establishments	Employees <sup>1</sup> (1,000)	Annual payroll (mil. dol.)
<b>United States</b> . . . . .	<b>339,083</b>	<b>13,822</b>	<b>592,830</b>	Missouri . . . . .	7,019	303	11,703
Alabama . . . . .	4,964	274	10,068	Montana . . . . .	1,267	18	688
Alaska . . . . .	501	10	396	Nebraska . . . . .	1,998	104	3,633
Arizona . . . . .	4,818	167	7,493	Nevada . . . . .	1,844	43	1,789
Arkansas . . . . .	3,144	201	6,551	New Hampshire . . . . .	2,191	76	3,529
California . . . . .	46,110	1,476	70,372	New Jersey . . . . .	9,962	326	17,001
Colorado . . . . .	5,235	138	6,275	New Mexico . . . . .	1,549	33	1,297
Connecticut . . . . .	5,174	188	9,579	New York . . . . .	19,994	599	25,307
Delaware . . . . .	696	36	1,645	North Carolina . . . . .	10,327	571	20,691
District of Columbia . . . . .	147	2	74	North Dakota . . . . .	741	24	780
Florida . . . . .	14,433	372	14,635	Ohio . . . . .	16,887	815	35,719
Georgia . . . . .	8,709	433	15,894	Oklahoma . . . . .	3,941	141	5,371
Hawaii . . . . .	928	15	479	Oregon . . . . .	5,541	177	7,532
Idaho . . . . .	1,805	60	2,415	Pennsylvania . . . . .	15,915	668	27,931
Illinois . . . . .	16,363	685	29,467	Rhode Island . . . . .	2,024	58	2,261
Indiana . . . . .	9,068	544	23,739	South Carolina . . . . .	4,270	275	10,796
Iowa . . . . .	3,811	219	8,644	South Dakota . . . . .	923	40	1,274
Kansas . . . . .	3,179	173	6,986	Tennessee . . . . .	6,804	392	15,268
Kentucky . . . . .	4,174	258	10,716	Texas . . . . .	20,780	829	36,255
Louisiana . . . . .	3,416	149	6,980	Utah . . . . .	3,113	111	4,321
Maine . . . . .	1,845	63	2,526	Vermont . . . . .	1,152	39	1,638
Maryland . . . . .	3,813	141	6,747	Virginia . . . . .	5,817	295	12,026
Massachusetts . . . . .	8,263	294	15,590	Washington . . . . .	7,401	254	12,322
Michigan . . . . .	14,447	682	32,391	West Virginia . . . . .	1,453	67	2,598
Minnesota . . . . .	8,067	333	15,026	Wisconsin . . . . .	9,804	489	20,479
Mississippi . . . . .	2,710	174	5,594	Wyoming . . . . .	546	10	432

<sup>1</sup> Covers full- and part-time employees who are on the payroll in the pay period including March 12.

Source: U.S. Census Bureau, "County Business Patterns"; annual. See <http://www.census.gov/epcd/cbp/view/cbpview.html>.

**Table 974. Manufactures—Summary by Selected Industry: 2004**

[13,404.3 represents 13,404,300. Based on the Annual Survey of Manufactures; see Appendix III]

Industry based on shipments	2002 NAICS code <sup>1</sup>	All employees <sup>2</sup>			Production workers (1,000) <sup>2</sup>	Value added by manufactures <sup>3</sup> (mil.dol.)	Value of shipments <sup>4</sup> (mil.dol.)
		Payroll		Number (1,000)			
		Total (mil. dol.)	Per employee (dol.)				
<b>Manufacturing, total . . . . .</b>	<b>31-33</b>	<b>13,404.3</b>	<b>569,414</b>	<b>42,480</b>	<b>9,357.1</b>	<b>2,031,439</b>	<b>4,265,784</b>
Food <sup>5</sup> . . . . .	311	1,448.1	46,563	32,154	1,097.5	223,433	511,450
Grain and oilseed milling . . . . .	3112	51.8	2,512	48,501	38.3	21,703	58,791
Sugar and confectionery product . . . . .	3113	70.0	2,676	38,259	54.3	14,183	26,684
Fruit and vegetable preserving and specialty food . . . . .	3114	164.1	5,209	31,745	135.6	27,838	53,083
Dairy product . . . . .	3115	125.6	5,063	40,312	86.9	24,422	73,038
Meat product . . . . .	3116	493.4	13,176	26,706	422.4	47,811	143,147
Bakeries and tortilla . . . . .	3118	286.8	8,993	31,354	174.7	34,098	51,633
Other food . . . . .	3119	174.4	6,113	35,060	124.7	37,392	64,199
Beverage and tobacco product . . . . .	312	144.9	6,879	47,474	80.7	71,700	112,270
Beverage . . . . .	3121	123.0	5,589	45,454	64.3	38,259	73,457
Tobacco . . . . .	3122	21.9	1,290	58,793	16.3	33,441	38,813
Wood product <sup>5</sup> . . . . .	321	535.2	17,039	31,834	428.2	43,662	103,420
Other wood product . . . . .	3219	318.9	9,486	29,749	250.9	22,018	48,612
Paper . . . . .	322	440.0	20,561	46,731	340.4	74,016	153,969
Pulp, paper, and paperboard mills . . . . .	3221	137.0	8,121	59,257	109.1	37,026	70,505
Converted paper product . . . . .	3222	302.9	12,440	41,064	231.3	36,990	83,464
Printing and related support activities . . . . .	323	658.9	24,789	37,623	465.2	57,250	93,193
Petroleum and coal products . . . . .	324	96.7	7,017	72,583	61.4	61,830	312,885
Chemical . . . . .	325	768.5	43,664	56,813	435.5	295,328	528,215
Basic chemical . . . . .	3251	161.3	10,430	64,653	93.1	58,589	139,431
Resin, syn. rubber, and artificial and syn. fibers and filaments . . . . .	3252	84.7	4,873	57,562	57.6	28,555	72,919
Pharmaceutical and medicine . . . . .	3254	231.0	14,209	61,500	112.9	120,870	157,479
Soap, cleaning compound, and toilet preparation . . . . .	3256	100.7	4,808	47,747	62.4	40,459	66,053
Other chemical product . . . . .	3259	100.4	4,825	48,060	56.4	19,007	38,026
Plastics and rubber products . . . . .	326	882.7	32,121	36,390	685.0	91,517	182,547
Plastics product . . . . .	3261	724.9	25,517	35,203	561.7	74,396	148,492
Nonmetallic mineral product <sup>5</sup> . . . . .	327	455.1	18,107	39,782	351.4	58,800	101,870
Cement and concrete product . . . . .	3273	211.6	8,418	39,773	161.0	26,460	48,201
Primary metal <sup>5</sup> . . . . .	331	435.2	21,159	48,625	342.3	73,011	178,996
Iron and steel mills and ferroalloy . . . . .	3311	109.3	6,758	61,816	87.2	31,445	73,855
Fabricated metal product <sup>5</sup> . . . . .	332	1,469.6	57,426	39,076	1,084.5	143,899	259,875
Architectural and structural metals . . . . .	3323	362.1	13,392	36,984	259.5	32,004	63,682
Machine shops, turned product and screw, nut, and bolt . . . . .	3327	349.8	13,973	39,948	261.8	28,749	45,564
Other fabricated metal product . . . . .	3329	262.9	10,944	41,630	190.3	31,938	52,769
Machinery <sup>5</sup> . . . . .	333	1,054.0	48,225	45,756	666.4	133,826	269,203
Agriculture, construction, and mining machinery . . . . .	3331	167.2	7,265	43,456	110.4	26,918	60,293
Other general-purpose machinery . . . . .	3339	268.3	12,386	46,157	155.5	30,831	61,864
Computer and electronic product <sup>5</sup> . . . . .	334	1,060.8	61,152	57,646	473.1	214,650	361,938
Computer and peripheral equipment . . . . .	3341	118.5	7,383	62,332	35.6	32,344	64,894
Communications equipment . . . . .	3342	143.1	8,417	58,823	53.3	30,347	58,213
Semiconductor and other electronic components . . . . .	3344	354.8	17,815	50,219	201.1	77,874	116,660
Navigational, measuring, medical, control instruments . . . . .	3345	389.2	25,061	64,386	146.8	66,470	103,509
Electrical equipment, appliance, and component <sup>5</sup> . . . . .	335	432.2	17,166	39,714	304.0	52,723	104,245
Transportation equipment <sup>5</sup> . . . . .	336	1,585.2	83,848	52,895	1,138.8	255,974	666,503
Motor vehicle . . . . .	3361	216.0	14,906	69,017	189.1	70,796	261,716
Motor vehicle parts . . . . .	3363	644.0	31,422	48,788	505.3	84,807	203,591
Aerospace product and parts <sup>5</sup> . . . . .	3364	384.6	24,550	63,832	189.9	67,594	126,129
Furniture and related product <sup>5</sup> . . . . .	337	560.6	17,499	31,215	430.1	45,441	80,153
Household and institutional furniture and kitchen cabinet . . . . .	3371	367.6	10,653	28,982	291.1	26,505	47,356
Miscellaneous manufacturing <sup>5</sup> . . . . .	339	701.8	27,840	39,669	438.7	84,083	132,287
Medical equipment and supplies . . . . .	3391	312.5	13,865	44,366	180.6	47,779	68,262
Other miscellaneous . . . . .	3399	389.3	13,976	35,898	258.2	36,305	64,026

<sup>1</sup> North American Industry Classification System, 2002; see text, Section 15. <sup>2</sup> Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. <sup>3</sup> Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. <sup>4</sup> Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. <sup>5</sup> Includes industries not shown separately.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M04(AS)-1. See also <<http://www.census.gov/prod/2005pubs/am0431gs1.pdf>> (issued December 2005).

**Table 975. Manufactures—Summary by State: 2004**

[13,381.2 represents 13,381,200. Data are for North American Industry Classification System (NAICS) 2002 codes 31-33. Sum of state totals may not add to U.S. total because U.S. and state figures were independently derived. See Appendix III]

State	All employees <sup>1</sup>			Production workers <sup>1</sup>		Value added by manufactures <sup>2</sup>		Value of shipments <sup>3</sup> (mil. dol.)
	Number (1,000)	Payroll		Total (1,000)	Wages (mil. dol.)	Total (mil. dol.)	Per production worker (dol.)	
		Total (mil. dol.)	Per employee (dol.)					
<b>United States . . . . .</b>	<b>13,381.2</b>	<b>569,203</b>	<b>42,537</b>	<b>9,339.6</b>	<b>331,658</b>	<b>2,025,957</b>	<b>216,922</b>	<b>4,259,366</b>
Alabama . . . . .	259.1	9,358	36,122	200.6	6,393	34,002	169,464	76,096
Alaska . . . . .	10.3	352	34,257	8.7	268	1,736	199,668	4,753
Arizona . . . . .	158.0	7,240	45,823	96.9	3,485	24,096	248,609	41,644
Arkansas . . . . .	193.7	6,392	32,991	155.9	4,565	25,655	164,614	54,547
California . . . . .	1,440.9	65,249	45,284	895.2	29,858	202,312	226,008	388,332
Colorado . . . . .	132.9	5,950	44,765	87.4	3,139	16,965	194,004	33,594
Connecticut . . . . .	191.9	9,632	50,191	111.3	4,535	28,745	258,285	45,105
Delaware . . . . .	36.4	1,624	44,630	25.7	991	7,660	298,433	17,488
District of Columbia . . . . .	1.9	71	37,830	1.2	37	164	141,966	271
Florida . . . . .	354.2	13,967	39,435	232.1	7,161	44,926	193,531	84,301
Georgia . . . . .	419.6	15,518	36,986	318.4	10,139	59,477	186,791	131,455
Hawaii . . . . .	14.0	522	37,215	8.9	322	1,489	167,313	4,561
Idaho . . . . .	56.5	2,108	37,318	36.6	1,104	9,605	262,189	16,583
Illinois . . . . .	676.1	29,166	43,142	466.3	16,846	102,971	220,848	210,043
Indiana . . . . .	534.9	23,343	43,637	403.8	15,917	86,549	214,346	183,564
Iowa . . . . .	217.2	8,496	39,112	157.7	5,379	36,688	232,679	79,470
Kansas . . . . .	168.0	6,937	41,296	117.3	4,165	22,108	188,464	56,465
Kentucky . . . . .	246.7	10,345	41,925	187.6	6,939	36,519	194,640	97,254
Louisiana . . . . .	141.0	6,705	47,558	103.2	4,367	43,393	420,643	124,305
Maine . . . . .	58.0	2,317	39,948	42.5	1,521	7,248	170,661	13,967
Maryland . . . . .	135.8	6,309	46,471	85.7	3,143	19,131	223,314	36,490
Massachusetts . . . . .	302.3	14,895	49,280	179.7	6,561	45,010	250,405	76,538
Michigan . . . . .	651.9	32,548	49,924	478.5	21,733	93,659	195,749	220,455
Minnesota . . . . .	325.6	14,211	43,645	214.8	7,631	43,707	203,489	88,472
Mississippi . . . . .	169.9	5,546	32,632	134.2	3,836	18,201	135,639	43,862
Missouri . . . . .	302.9	12,707	41,949	228.9	8,333	44,783	195,680	102,804
Montana . . . . .	17.3	665	38,407	12.7	423	2,386	187,776	6,469
Nebraska . . . . .	99.7	3,533	35,434	76.6	2,393	12,477	162,932	34,434
Nevada . . . . .	44.0	1,850	42,073	28.9	976	5,251	181,840	9,551
New Hampshire . . . . .	72.5	3,333	45,970	46.6	1,598	8,466	185,698	15,439
New Jersey . . . . .	308.6	14,448	46,822	201.4	7,494	49,127	243,907	94,125
New Mexico . . . . .	32.9	1,343	40,793	22.8	766	11,708	513,043	17,393
New York . . . . .	569.6	24,146	42,387	370.7	12,921	83,146	224,311	146,692
North Carolina . . . . .	550.2	19,861	36,097	411.1	12,508	90,231	219,494	163,838
North Dakota . . . . .	22.0	764	34,702	16.5	508	2,913	176,729	7,372
Ohio . . . . .	782.6	34,503	44,087	570.1	22,613	117,751	206,527	258,799
Oklahoma . . . . .	132.5	5,241	39,545	96.3	3,330	17,933	186,261	45,710
Oregon . . . . .	174.2	7,277	41,770	124.2	4,378	33,773	271,887	54,836
Pennsylvania . . . . .	645.8	26,816	41,524	457.0	16,274	96,329	210,785	190,371
Rhode Island . . . . .	55.4	2,236	40,377	35.5	1,120	6,322	177,874	11,173
South Carolina . . . . .	258.2	10,293	39,863	194.7	6,608	35,663	183,157	81,630
South Dakota . . . . .	37.5	1,222	32,617	28.6	824	4,500	157,189	12,084
Tennessee . . . . .	384.2	14,808	38,548	286.8	9,679	58,678	204,591	125,531
Texas . . . . .	773.5	33,559	43,386	525.3	18,583	150,698	286,862	385,534
Utah . . . . .	107.4	4,202	39,142	72.8	2,299	14,015	192,481	29,589
Vermont . . . . .	38.3	1,687	44,009	24.4	893	5,019	205,863	9,911
Virginia . . . . .	284.1	11,915	41,944	206.1	7,158	49,715	241,263	87,843
Washington . . . . .	242.5	11,179	46,103	153.8	5,599	36,834	239,453	77,665
West Virginia . . . . .	63.1	2,652	42,032	47.5	1,792	8,846	186,039	20,579
Wisconsin . . . . .	476.8	19,808	41,545	344.7	12,307	65,693	190,592	135,676
Wyoming . . . . .	8.7	352	40,624	6.5	243	1,684	260,123	5,010

<sup>1</sup> Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. <sup>2</sup> Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. <sup>3</sup> Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M01(AS)-4. See also <<http://www.census.gov/prod/ec02/am0431as1.pdf>> (issued January 2006).

**Table 976. Manufacturing Industries—Export-Related Shipments and Employment by Industry: 2002**

[3,915,599 represents \$3,915,599,000,000. Exports include both "direct" exports (exports manufactured in the U.S. and consumed in foreign markets and "indirect" exports (intermediate goods and services required to manufacture export goods). For methodology, see report]

Industry	2002 NAICS code <sup>1</sup>	Value of manufacturers' shipments (mil. dol.)	Export-related shipments (mil. dol.)	All manufacturing employment (1,000)	Export-related manufacturing employment (1,000)	Export-related as percent of all manufacturers	
						Shipments	Employment
<b>Manufacturing, total . . . . .</b>	<b>31-33</b>	<b>3,915,599</b>	<b>687,748</b>	<b>14,745</b>	<b>2,568</b>	<b>17.6</b>	<b>17.4</b>
Food manufacturing . . . . .	311	458,128	26,864	1,509	74	5.9	4.9
Beverage and tobacco products . . . . .	312	104,871	3,143	162	4	3.0	2.6
Textile mills . . . . .	313	45,637	10,780	268	68	23.6	25.4
Textile products . . . . .	314	32,226	2,532	184	16	7.9	8.8
Apparel . . . . .	315	44,793	4,916	342	32	11.0	9.3
Leather and allied products . . . . .	316	6,336	2,476	45	14	39.1	31.0
Wood products . . . . .	321	88,398	5,615	541	31	6.4	5.8
Paper . . . . .	322	154,468	20,553	493	62	13.3	12.7
Printing and related support activities . . . . .	323	95,618	7,303	718	57	7.6	8.0
Petroleum and coal products . . . . .	324	215,473	16,046	103	7	7.4	6.5
Chemicals . . . . .	325	455,932	91,978	854	173	20.2	20.3
Plastics and rubber products . . . . .	326	172,931	25,233	983	143	14.6	14.5
Nonmetallic mineral products . . . . .	327	94,982	8,242	484	45	8.7	9.4
Primary metals . . . . .	331	140,312	39,776	496	138	28.3	27.9
Fabricated metal products . . . . .	332	248,369	42,437	1,576	275	17.1	17.5
Machinery . . . . .	333	252,257	68,386	1,170	316	27.1	27.0
Computers and electronic products . . . . .	334	361,961	121,731	1,277	445	33.6	34.9
Electrical equipment, appliances, and components . . . . .	335	104,623	21,626	494	106	20.7	21.5
Transportation equipment . . . . .	336	636,400	146,223	1,697	435	23.0	23.6
Furniture and related products . . . . .	337	75,913	2,395	597	18	3.2	3.1
Miscellaneous . . . . .	339	125,972	19,493	754	106	15.5	14.0

<sup>1</sup> North American Industry Classification System, 2002; see text, Section 15.

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2002*, series AR(02)-1. See also <<http://www.census.gov/mcd/exports/ar02.pdf>> (released May 2006); and unpublished data.

**Table 977. Manufacturing Industries—Export-Related Shipments and Employment by State: 2002**

[687,748 represents \$687,748,000,000. Exports include both "direct" exports (exports manufactured in the U.S. and consumed in foreign markets and "indirect" exports (intermediate goods and services required to manufacture export goods). For methodology, see report]

State	Export-related shipments (mil. dol.)	Export-related manufacturing employment (1,000)	Export-related as percent of all manufacturers		State	Export-related shipments (mil. dol.)	Export-related manufacturing employment (1,000)	Export-related as percent of all manufacturers	
			Shipments	Employment				Shipments	Employment
<b>U.S. . . . .</b>	<b>687,748</b>	<b>2,568</b>	<b>17.6</b>	<b>17.4</b>	Mississippi . . . . .	4,128	15	10.7	8.4
Alabama . . . . .	10,557	35	15.9	12.2	Missouri . . . . .	10,665	41	11.6	12.8
Alaska . . . . .	327	1	8.6	7.3	Montana . . . . .	306	1	6.1	6.4
Arizona . . . . .	14,783	51	34.3	30.5	Nebraska . . . . .	4,724	17	16.0	16.6
Arkansas . . . . .	5,197	20	11.2	9.6	Nevada . . . . .	751	4	9.2	9.6
California . . . . .	77,158	311	20.2	19.0	New Hampshire . . . . .	2,977	16	19.5	19.6
Colorado . . . . .	5,134	22	14.8	14.5	New Jersey . . . . .	12,988	48	13.4	13.1
Connecticut . . . . .	10,836	50	25.5	23.5	New Mexico . . . . .	3,220	9	31.9	27.9
Delaware . . . . .	1,335	4	8.2	11.7	New York . . . . .	22,932	97	15.5	15.2
District of Columbia . . . . .	8	(D)	3.2	(D)	North Carolina . . . . .	20,963	92	13.4	14.8
Florida . . . . .	9,253	39	11.7	10.4	North Dakota . . . . .	1,226	4	17.9	16.7
Georgia . . . . .	17,693	62	14.0	13.8	Ohio . . . . .	48,749	186	20.1	21.3
Hawaii . . . . .	242	-	6.9	2.3	Oklahoma . . . . .	5,658	24	14.3	15.8
Idaho . . . . .	2,223	8	14.3	12.4	Oregon . . . . .	6,539	27	14.2	14.9
Illinois . . . . .	30,891	122	16.4	16.5	Pennsylvania . . . . .	31,469	116	17.4	16.2
Indiana . . . . .	25,923	100	16.1	17.5	Rhode Island . . . . .	1,899	10	17.6	16.7
Iowa . . . . .	9,384	36	14.6	16.1	South Carolina . . . . .	18,399	66	22.7	22.8
Kansas . . . . .	8,302	30	16.5	16.8	South Dakota . . . . .	899	3	8.4	8.9
Kentucky . . . . .	15,820	50	18.1	19.2	Tennessee . . . . .	17,538	66	16.1	16.0
Louisiana . . . . .	11,090	22	12.4	14.6	Texas . . . . .	61,382	170	20.1	19.9
Maine . . . . .	2,116	8	15.1	11.9	Utah . . . . .	5,852	21	23.5	19.4
Maryland . . . . .	3,754	16	10.3	10.8	Vermont . . . . .	2,078	8	21.5	18.9
Massachusetts . . . . .	19,705	84	25.2	24.2	Virginia . . . . .	11,030	42	13.1	13.4
Michigan . . . . .	38,528	149	17.4	19.9	Washington . . . . .	37,460	117	46.6	42.2
Minnesota . . . . .	12,786	59	15.9	16.8	West Virginia . . . . .	3,098	10	16.6	15.0
					Wisconsin . . . . .	17,362	74	13.5	14.5
					Wyoming . . . . .	414	1	10.5	10.5

D Data withheld to avoid disclosure of individual companies. - Represents or rounds to zero.

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2002*, series AR(02)-1. See also <<http://www.census.gov/mcd/exports/ar02.pdf>> (released May 2006); and unpublished data.



**Table 978. Manufacturers' E-Commerce Shipments by Industry: 2003 and 2004**

[(4,015,081 represents \$4,015,081,000,000). Based on the Annual Survey of Manufactures; subject to sampling variability. E-commerce is the value of goods and services sold over computer-mediated networks (open or proprietary)]

Industry	2002 NAICS code <sup>1</sup>	2003				2004			
		Shipments, total (mil. dol.)	E-commerce			Shipments, total (mil. dol.)	E-commerce		
			Shipments, total (mil. dol.)	Percent of total shipments	Percent distribution		Shipments, total (mil. dol.)	Percent of total shipments	Percent distribution
<b>Manufacturing, total . . . .</b>	<b>31-33</b>	<b>4,015,081</b>	<b>842,666</b>	<b>21.0</b>	<b>100.0</b>	<b>4,259,366</b>	<b>996,174</b>	<b>23.4</b>	<b>100.0</b>
Food products . . . . .	311	483,226	59,576	12.3	7.1	509,500	64,121	12.6	6.4
Beverage and tobacco . . . . .	312	108,806	46,998	43.2	5.6	111,891	52,783	47.2	5.3
Textile mills . . . . .	313	42,588	3,639	8.5	0.4	40,144	4,416	11.0	0.5
Textile product mills . . . . .	314	31,261	7,244	23.2	0.9	33,394	8,472	25.4	0.0
Apparel . . . . .	315	38,668	9,137	23.6	1.1	33,364	8,694	26.1	0.9
Leather and allied products . . . . .	316	5,784	653	11.3	0.1	5,745	611	10.6	0.1
Wood products . . . . .	321	92,119	5,753	6.2	0.7	103,211	7,974	7.7	0.8
Paper . . . . .	322	151,094	18,683	12.4	2.2	154,208	19,631	12.7	2.0
Printing and related support activities . . . . .	323	92,663	4,452	4.8	0.5	93,495	8,259	8.8	0.8
Petroleum and coal products . . . . .	324	247,316	51,586	20.9	6.1	312,940	77,527	24.8	7.8
Chemicals . . . . .	325	486,563	85,186	17.5	10.1	527,930	102,967	19.5	10.3
Plastics and rubber products . . . . .	326	178,328	26,954	15.1	3.2	182,948	33,220	18.2	3.3
Nonmetallic mineral products . . . . .	327	96,923	8,631	8.9	1.0	102,040	10,850	10.6	1.1
Primary metals . . . . .	331	138,142	12,578	9.1	1.5	179,241	33,410	18.6	3.4
Fabricated metal products . . . . .	332	245,550	23,735	9.7	2.8	259,772	33,992	13.1	3.4
Machinery . . . . .	333	257,375	34,797	13.5	4.1	269,321	52,292	19.4	5.2
Computer and electronic products . . . . .	334	352,636	67,476	19.1	8.0	362,492	76,197	21.0	7.6
Electrical equipment, appliances, and components . . . . .	335	100,140	23,722	23.7	2.8	103,892	25,177	24.2	2.5
Transportation equipment . . . . .	336	661,142	327,401	49.5	38.9	663,352	346,473	52.2	34.8
Furniture and related products . . . . .	337	75,423	9,983	13.2	1.2	78,099	11,264	14.4	1.1
Miscellaneous . . . . .	339	129,334	14,482	11.2	1.7	132,387	17,844	13.5	1.8

<sup>1</sup> North American Industry Classification System, 2002; see text, Section 15.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/eos/www/papers/2004/2004reportfinal.pdf>> (released 25 May 2006).

**Table 979. Manufacturing Employer Costs for Employee Compensation Per Hour Worked: 1990 to 2005**

[As of March, for private industry workers. Based on a sample of establishments in the National Compensation Survey; see Appendix III and source for details. See also Table 635, Section 12]

Compensation component	Cost (dol.)					Percent distribution				
	1990	2000	2003	2004	2005	1990	2000	2003	2004	2005
<b>Total compensation . . . . .</b>	<b>17.33</b>	<b>23.41</b>	<b>26.02</b>	<b>28.10</b>	<b>29.47</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Wages and salaries . . . . .	11.86	16.01	17.43	18.14	18.98	68.4	68.4	67.0	64.6	64.4
Total benefits . . . . .	5.47	7.40	8.59	9.96	10.49	31.6	31.6	33.0	35.4	35.6
Paid leave . . . . .	1.31	1.74	1.97	2.05	2.17	7.6	7.4	7.6	7.3	7.4
Vacation . . . . .	0.67	0.86	1.00	1.03	1.10	3.9	3.7	3.8	3.7	3.7
Holiday . . . . .	0.48	0.65	0.73	0.76	0.80	2.8	2.8	2.8	2.7	2.7
Sick . . . . .	0.12	0.13	0.16	0.16	0.17	0.7	0.6	0.6	0.6	0.6
Other . . . . .	0.05	0.10	0.10	0.10	0.10	0.3	0.4	0.4	0.4	0.3
Supplemental pay . . . . .	0.65	1.04	1.23	1.20	1.25	3.8	4.4	4.7	4.3	4.2
Premium pay . . . . .	0.34	0.58	0.60	0.60	0.62	2.0	2.5	2.3	2.1	2.1
Nonproduction bonuses . . . . .	0.22	0.36	0.51	0.48	0.50	1.3	1.5	2.0	1.7	1.7
Shift pay . . . . .	0.09	0.10	0.11	0.12	0.13	0.5	0.4	0.4	0.4	0.4
Insurance . . . . .	1.37	1.85	2.27	2.59	2.81	7.9	7.9	8.7	9.2	9.5
Health insurance . . . . .	(NA)	1.69	2.08	2.40	2.60	(NA)	7.2	8.0	8.5	8.8
Retirement and savings . . . . .	0.56	0.75	0.86	1.56	1.65	3.2	3.2	3.3	5.6	5.6
Defined benefit . . . . .	(NA)	0.34	0.41	1.06	1.12	(NA)	1.5	1.6	3.8	3.8
Defined contributions . . . . .	(NA)	0.41	0.45	0.50	0.53	(NA)	1.8	1.7	1.8	1.8
Legally required . . . . .	1.54	1.92	2.18	2.43	2.50	8.9	8.2	8.4	8.6	8.5
Social security . . . . .	1.02	1.38	1.51	1.57	1.32	5.9	5.9	5.8	5.6	4.5
Federal unemployment . . . . .	0.03	0.03	0.03	0.03	0.03	0.2	0.1	0.1	0.1	0.1
State unemployment . . . . .	0.12	0.11	0.13	0.18	0.20	0.7	0.5	0.5	0.6	0.7
Workers compensation . . . . .	0.36	0.40	0.51	0.64	0.63	2.1	1.7	2.0	2.3	2.1
Other benefits <sup>1</sup> . . . . .	0.04	0.09	0.08	0.13	0.11	0.2	0.4	0.3	0.5	0.4

NA Not available. <sup>1</sup> Includes severance pay, and supplemental unemployment benefits.

Source: U.S. Bureau of Labor Statistics, *Employer Costs for Employee Compensation Historical Listing, annual, 1986-2001*, and *Employer Costs for Employee Compensation, March 2005*. See also <<http://ftp.bls.gov/pub/special.requests/ocwv/ect/ecechist.pdf>> (issued 19 June 2002) and <<http://www.bls.gov/ncs/ect/sp/ecn0058.pdf>> (released 16 June 2005).

**Table 980. Manufacturing Industries—Employment by Industry: 1990 to 2005**

[Annual averages of monthly figures (109,487 represents 109,487,000). Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. Minus sign (–) indicates decrease. See also headnote, Table 618]

Industry	2002 NAICS code <sup>1</sup>	All employees (1,000)						Percent change	
		1990	2000	2002	2003	2004	2005	1990–2000	2000–2005
<b>All industries</b> . . . . .	(X)	<b>109,487</b>	<b>131,785</b>	<b>130,341</b>	<b>129,999</b>	<b>131,435</b>	<b>133,463</b>	<b>20.4</b>	<b>1.3</b>
<b>Manufacturing</b> . . . . .	<b>31–33</b>	<b>17,695</b>	<b>17,263</b>	<b>15,259</b>	<b>14,510</b>	<b>14,315</b>	<b>14,232</b>	<b>–2.4</b>	<b>–17.6</b>
Percent of all industries . . . . .	(X)	16.2	13.1	11.7	11.2	10.9	10.7	(X)	(X)
Durable goods . . . . .	(X)	10,736	10,876	9,483	8,963	8,924	8,953	1.3	–17.7
Wood products . . . . .	321	541	613	555	538	550	555	13.4	–9.5
Sawmills & wood preservation . . . . .	3211	148	134	121	117	119	119	–9.6	–10.9
Plywood & engineered wood products . . . . .	3212	96	122	116	114	118	123	28.2	0.4
Other wood products . . . . .	3219	297	357	318	306	313	313	20.1	–12.3
Nonmetallic mineral products . . . . .	327	528	554	516	494	506	503	4.9	–9.2
Clay products & refractories . . . . .	3271	84	82	72	66	65	61	–1.9	–25.1
Glass & glass products . . . . .	3272	152	141	124	115	113	108	–7.6	–23.1
Cement & concrete products . . . . .	3273	195	234	230	224	235	239	20.1	2.2
Lime, gypsum, & other nonmetallic mineral products . . . . .	3279	98	97	91	89	94	94	–0.3	–3.1
Primary metals . . . . .	331	689	622	509	477	467	469	–9.7	–24.6
Iron & steel mills & ferroalloy production . . . . .	3311	187	135	107	102	95	96	–27.7	–29.0
Steel products from purchased steel . . . . .	3312	70	73	63	61	61	60	4.0	–17.9
Alumina & aluminum production . . . . .	3313	108	101	80	75	74	74	–7.3	–26.2
Other nonferrous metal production . . . . .	3314	109	96	81	74	71	72	–11.7	–25.4
Foundries . . . . .	3315	214	217	178	166	165	167	1.4	–23.1
Fabricated metal products . . . . .	332	1,610	1,753	1,549	1,479	1,497	1,519	8.9	–13.3
Forging & stamping . . . . .	3321	128	138	113	109	110	111	7.9	–19.8
Cutlery & hand tools . . . . .	3322	79	79	64	61	59	56	0.3	–29.2
Architectural & structural metals . . . . .	3323	357	428	399	380	389	396	20.0	–7.5
Boilers, tanks, & shipping containers . . . . .	3324	117	107	96	91	92	90	–9.1	–15.4
Hardware . . . . .	3325	57	50	42	40	38	35	–12.8	–29.9
Spring & wire products . . . . .	3326	78	81	70	64	62	59	4.3	–26.5
Machine shops & threaded products . . . . .	3327	309	365	318	311	327	344	18.4	–5.9
Coating, engraving, & heat treating metals . . . . .	3328	143	175	149	143	143	144	22.7	–17.8
Other fabricated metal products . . . . .	3329	344	330	296	281	278	284	–4.0	–13.8
Machinery . . . . .	333	1,408	1,455	1,230	1,149	1,143	1,162	3.3	–20.1
Agricultural, construction, & mining machinery . . . . .	3331	229	222	200	188	195	209	–2.8	–5.8
Industrial machinery . . . . .	3332	152	163	131	123	121	124	7.5	–23.8
Commercial & service industry machinery . . . . .	3333	147	147	130	118	115	111	0.3	–24.7
HVAC & commercial refrigeration equipment . . . . .	3334	165	194	167	157	153	153	17.8	–21.2
Metalworking machinery . . . . .	3335	267	274	217	205	202	202	2.5	–26.1
Turbine & power transmission equipment . . . . .	3336	114	111	101	94	93	97	–2.4	–12.8
Other general purpose machinery . . . . .	3339	335	343	285	265	265	265	2.4	–22.8
Computer & electronic products . . . . .	334	1,903	1,820	1,507	1,355	1,323	1,320	–4.3	–27.5
Computer & peripheral equipment . . . . .	3341	367	302	250	224	210	207	–17.8	–31.6
Communications equipment . . . . .	3342	232	248	186	155	148	148	7.0	–40.2
Audio & video equipment . . . . .	3343	60	52	42	37	33	32	–13.3	–38.0
Semiconductors & electronic components . . . . .	3344	574	676	525	461	454	451	17.8	–33.3
Electronic instruments . . . . .	3345	626	479	450	430	431	438	–23.6	–8.5
Magnetic media manufacturing & reproduction . . . . .	3346	43	63	55	48	46	44	46.4	–30.1
Electrical equipment & appliances . . . . .	335	633	591	497	460	445	436	–6.7	–26.3
Electric lighting equipment . . . . .	3351	81	85	72	67	65	61	5.0	–27.9
Household appliances . . . . .	3352	114	106	98	93	90	86	–7.0	–18.5
Electrical equipment . . . . .	3353	244	210	175	160	154	152	–13.9	–27.5
Other electrical equipment & components . . . . .	3359	195	191	152	140	137	136	–2.3	–28.4
Transportation equipment <sup>2</sup> . . . . .	336	2,133	2,056	1,829	1,774	1,766	1,772	–3.6	–13.8
Motor vehicles . . . . .	3361	271	291	265	265	256	250	7.4	–14.3
Motor vehicle bodies & trailers . . . . .	3362	130	183	152	153	165	171	40.8	–6.6
Motor vehicle parts . . . . .	3363	653	840	734	708	692	678	28.6	–19.2
Aerospace products & parts . . . . .	3364	841	517	470	442	442	456	–38.5	–11.8
Ship & boat building . . . . .	3366	173	153	146	146	148	153	–11.4	–0.1
Other transportation equipment . . . . .	3369	35	40	39	38	38	39	14.0	–3.3

See footnotes at end of table.

**Table. 980. Manufacturing Industries—Employment by Industry: 1990 to 2005—Con.**

[Annual averages of monthly figures (109,487 represents 109,487,000). Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. See also headnote, Table 618]

Industry	2002 NAICS code <sup>1</sup>	All employees (1,000)						Percent change	
		1990	2000	2002	2003	2004	2005	1990– 2000	2000– 2005
Furniture & related products . . . . .	337	601	680	604	573	573	563	13.0	-17.1
Household & institutional furniture . . . . .	3371	398	440	400	382	385	380	10.6	-13.7
Office furniture & fixtures . . . . .	3372	156	181	151	139	135	130	16.0	-28.1
Other furniture-related products . . . . .	3379	47	58	54	52	53	53	23.1	-9.1
Miscellaneous manufacturing . . . . .	339	690	733	688	663	656	654	6.2	-10.8
Medical equipment & supplies . . . . .	3391	288	310	308	304	301	306	7.7	-1.4
Other miscellaneous manufacturing . . . . .	3399	403	423	380	359	354	348	5.1	-17.7
Nondurable goods . . . . .	(X)	6,959	6,388	5,775	5,547	5,391	5,278	-8.2	-17.4
Food manufacturing . . . . .	311	1,507	1,553	1,526	1,518	1,494	1,472	3.0	-5.2
Animal food . . . . .	3111	57	55	51	50	50	48	-4.2	-12.1
Grain & oilseed milling . . . . .	3112	71	65	62	62	60	60	-9.1	-7.6
Sugar & confectionery products . . . . .	3113	99	92	84	85	83	78	-7.3	-15.3
Fruit & vegetable preserving & specialty . . . . .	3114	218	197	183	185	181	174	-9.5	-12.0
Dairy products . . . . .	3115	145	136	137	135	131	132	-5.9	-3.2
Animal slaughtering & processing . . . . .	3116	427	507	517	516	505	502	18.6	-1.1
Seafood product preparation & packaging . . . . .	3117	54	45	44	42	42	42	-17.2	-7.6
Bakeries & tortilla manufacturing . . . . .	3118	292	306	297	292	285	280	4.9	-8.8
Other food products . . . . .	3119	143	150	151	152	156	158	5.0	5.3
Beverages & tobacco products . . . . .	312	218	207	207	200	195	192	-4.9	-7.3
Beverages . . . . .	3121	173	175	174	169	166	167	1.2	-4.6
Textile mills . . . . .	313	492	378	291	261	237	218	-23.1	-42.4
Fiber, yarn, & thread mills . . . . .	3131	102	81	63	57	54	50	-20.5	-38.1
Fabric mills . . . . .	3132	270	192	145	130	115	104	-29.0	-45.6
Textile & fabric finishing mills . . . . .	3133	120	105	83	74	68	64	-12.1	-39.8
Textile product mills . . . . .	314	209	216	195	179	176	172	3.3	-20.3
Textile furnishings mills . . . . .	3141	127	129	116	105	101	98	1.3	-24.1
Other textile product mills . . . . .	3149	82	88	78	74	75	75	6.4	-14.7
Apparel . . . . .	315	929	497	360	312	286	260	-46.5	-47.6
Apparel knitting mills . . . . .	3151	112	69	50	45	42	37	-38.4	-46.9
Cut & sew apparel . . . . .	3152	776	394	283	243	221	203	-49.3	-48.5
Accessories & other apparel . . . . .	3159	41	34	27	24	23	21	-16.9	-39.5
Leather & allied products . . . . .	316	133	69	50	45	42	40	-48.3	-42.6
Footwear . . . . .	3162	83	31	22	20	19	18	-62.8	-41.7
Leather & hide tanning & finishing & other leather products . . . . .	3169	51	38	28	25	23	22	-25.0	-43.2
Paper & paper products . . . . .	322	647	605	547	516	496	484	-6.6	-19.9
Pulp, paper, & paperboard mills . . . . .	3221	238	191	165	151	146	141	-19.7	-26.3
Converted paper products . . . . .	3222	409	413	382	365	350	343	1.1	-16.9
Printing & related support activities . . . . .	323	809	807	707	681	663	648	-0.2	-19.7
Petroleum & coal products . . . . .	324	153	123	118	114	112	113	-19.4	-8.5
Chemicals . . . . .	325	1,036	980	928	906	887	879	-5.3	-10.3
Basic chemicals . . . . .	3251	249	188	170	162	156	151	-24.4	-19.8
Resin, rubber, & artificial fibers . . . . .	3252	158	136	115	112	110	110	-14.2	-18.6
Agricultural chemicals . . . . .	3253	52	48	45	42	42	41	-8.8	-15.1
Pharmaceuticals & medicines . . . . .	3254	207	274	291	292	290	289	32.4	5.1
Paints, coatings, & adhesives . . . . .	3255	85	79	72	69	68	68	-6.6	-13.7
Soaps, cleaning compounds, and toiletries . . . . .	3256	132	129	121	119	115	116	-2.4	-10.1
Other chemical products and preparations . . . . .	3259	153	127	114	111	107	105	-17.1	-17.1
Plastics & rubber products . . . . .	326	826	952	848	815	806	800	15.3	-16.0
Plastics products . . . . .	3261	619	738	664	639	633	631	19.3	-14.5
Rubber products . . . . .	3262	207	214	184	177	172	169	3.5	-21.0

X Not applicable. <sup>1</sup> Based on the North American Industry Classification System, 2002 (NAICS). See text, this section.  
<sup>2</sup> Includes railroad rolling stock manufacturing not shown separately.

Source: U.S. Bureau of Labor Statistics, the Current Employment Statistics program Internet site <<http://www.bls.gov/ces/home.htm>>.

**Table 981. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 2002 to 2005**

[In dollars. Data are based on the North American Industry Classification System (NAICS) 2002 basis]

State	2002	2003	2004	2005	State	2002	2003	2004	2005
<b>United States . . . . .</b>	<b>15.29</b>	<b>15.74</b>	<b>16.15</b>	<b>16.56</b>	Missouri . . . . .	16.80	18.22	17.92	17.43
Alabama . . . . .	13.10	13.56	14.33	14.93	Montana . . . . .	14.43	14.02	14.87	15.61
Alaska . . . . .	13.24	12.18	12.01	14.22	Nebraska . . . . .	14.05	14.86	15.19	15.44
Arizona . . . . .	14.16	14.38	14.20	14.55	Nevada . . . . .	14.62	14.63	14.60	14.98
Arkansas . . . . .	13.30	13.55	13.49	13.71	New Hampshire . . . . .	14.21	14.85	15.48	15.87
California . . . . .	14.89	15.04	15.36	15.70	New Jersey . . . . .	15.19	15.45	15.89	16.33
Colorado . . . . .	15.44	16.89	16.46	15.91	New Mexico . . . . .	13.41	13.19	13.13	13.66
Connecticut . . . . .	17.24	17.74	18.35	18.96	New York . . . . .	16.75	16.78	17.29	17.77
Delaware . . . . .	16.60	16.91	17.66	17.72	North Carolina . . . . .	13.18	13.66	14.25	14.38
District of Columbia . . . . .	(NA)	15.76	16.73	16.80	North Dakota . . . . .	13.17	14.04	14.35	15.29
Florida . . . . .	13.30	14.09	13.84	13.89	Ohio . . . . .	17.49	17.99	18.47	19.07
Georgia . . . . .	13.38	14.08	14.54	14.56	Oklahoma . . . . .	14.11	14.13	14.24	14.65
Hawaii . . . . .	13.07	12.90	13.50	14.35	Oregon . . . . .	15.06	15.20	15.34	15.49
Idaho . . . . .	13.80	13.72	14.15	14.96	Pennsylvania . . . . .	14.75	14.99	15.16	15.26
Illinois . . . . .	14.99	15.20	15.61	15.84	Rhode Island . . . . .	12.75	12.88	13.03	13.12
Indiana . . . . .	17.15	17.84	17.92	18.14	South Carolina . . . . .	14.00	14.19	14.73	15.23
Iowa . . . . .	15.32	15.70	16.17	16.25	South Dakota . . . . .	12.60	13.13	13.37	13.47
Kansas . . . . .	15.98	15.83	16.57	17.14	Tennessee . . . . .	13.15	13.56	13.84	14.03
Kentucky . . . . .	15.73	16.01	16.50	16.64	Texas . . . . .	13.93	13.94	13.98	14.03
Louisiana . . . . .	17.03	16.86	16.40	17.30	Utah . . . . .	14.12	14.90	15.38	14.71
Maine . . . . .	15.55	16.28	16.97	17.28	Vermont . . . . .	14.33	14.54	14.60	15.06
Maryland . . . . .	15.21	15.74	16.47	16.98	Virginia . . . . .	15.20	15.90	16.11	16.40
Massachusetts . . . . .	16.25	16.53	16.89	17.67	Washington . . . . .	18.15	18.02	18.28	18.83
Michigan . . . . .	20.51	21.20	21.51	21.50	West Virginia . . . . .	15.40	16.05	16.57	17.14
Minnesota . . . . .	15.06	15.43	16.04	16.63	Wisconsin . . . . .	15.86	16.12	16.19	16.29
Mississippi . . . . .	12.32	12.89	13.12	13.53	Wyoming . . . . .	17.72	16.75	16.58	17.07

<sup>1</sup> Represents the Washington-Arlington-Alexandria Metropolitan Division.

Source: U.S. Bureau of Labor Statistics, the Current Employment Statistics program Internet site <<http://www.bls.gov/ces/home.htm>>.

**Table 982. Manufacturing Full-Time Equivalent Employees and Wages by Industry: 2000 to 2004**

[124,707 represents 124,707,000. Full-time equivalent employees equals the number of employees on full-time schedules plus the number of employees for part-time schedules converted to full-time basis]

Industry	1997 NAICS code <sup>1</sup>	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
		2000	2002	2003	2004	2000	2002	2003	2004
<b>All industries, total . . . . .</b>	<b>(X)</b>	<b>124,707</b>	<b>123,843</b>	<b>123,389</b>	<b>124,523</b>	<b>38,762</b>	<b>40,263</b>	<b>41,468</b>	<b>43,327</b>
<b>Manufacturing . . . . .</b>	<b>31-33</b>	<b>16,947</b>	<b>15,056</b>	<b>14,301</b>	<b>14,112</b>	<b>44,216</b>	<b>44,864</b>	<b>46,762</b>	<b>48,731</b>
Percent of all industries . . . . .	(X)	13.6	12.2	11.6	11.3	114.1	111.4	112.8	112.5
Durable goods . . . . .	(X)	10,713	9,374	8,851	8,807	47,007	47,047	49,061	51,125
Wood products . . . . .	321	606	566	544	556	30,360	31,058	32,130	33,710
Nonmetallic mineral products . . . . .	327	545	511	491	495	38,879	40,481	41,676	43,002
Primary metals . . . . .	331	611	498	466	458	45,745	46,575	48,500	51,710
Fabricated metal products . . . . .	332	1,738	1,527	1,458	1,469	37,688	39,147	40,340	41,967
Machinery . . . . .	333	1,420	1,209	1,135	1,125	46,882	47,117	49,009	51,589
Computer and electronic products . . . . .	334	1,813	1,479	1,336	1,300	71,372	66,344	70,702	74,649
Electrical equipment, appliances, and components . . . . .	335	568	491	456	440	42,732	42,051	43,976	46,741
Motor vehicles, bodies and trailers, and parts . . . . .	3361-3363	1,283	1,143	1,103	1,104	49,727	51,390	54,249	54,728
Other transportation equipment . . . . .	3365	736	673	639	647	52,612	57,952	59,946	62,546
Furniture and related products . . . . .	337	664	593	560	560	29,660	30,823	32,087	33,090
Miscellaneous manufacturing . . . . .	339	728	685	663	652	38,504	40,973	43,171	45,672
Nondurable goods . . . . .	(X)	6,235	5,681	5,449	5,305	39,420	41,264	43,028	44,758
Food and beverage and tobacco products . . . . .	311-312	1,719	1,702	1,670	1,650	34,110	35,482	36,778	37,656
Textile mills and textile product mills . . . . .	313-314	584	474	436	405	29,018	30,632	31,189	32,845
Apparel and leather and allied products . . . . .	315	538	408	360	332	24,769	26,365	27,988	29,790
Paper products . . . . .	322	596	528	501	484	45,578	48,497	50,169	51,420
Printing and related support activities . . . . .	323	767	705	671	662	38,966	38,384	39,345	40,619
Petroleum and coal products . . . . .	324	120	116	114	109	62,310	65,972	68,847	76,067
Chemical products . . . . .	325	968	913	893	870	60,928	62,782	66,146	69,382
Plastics and rubber products . . . . .	326	942	835	805	793	35,375	37,212	38,445	39,961

<sup>1</sup> North American Industry Classification System, 1997; see text, this section.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. See also <<http://www.bea.gov/bea/dn/nipaweb/SelectTable.asp?Selected=N>> (released 04 August 2005).

**Table 983. Manufacturers' Shipments, Inventories, and New Orders: 1992 to 2005**

[In billions of dollars (2,904 represents \$2,904,000,000,000), except ratio. Based on a sample survey; for methodology, see source]

Year	Shipments	Inventories (Dec. 31) <sup>1</sup>	Ratio of inventories to shipments <sup>2</sup>	New orders	Unfilled orders (Dec. 31)
1992	2,904	370	1.57	(NA)	448
1993	3,020	371	1.51	2,960	422
1994	3,238	391	1.48	3,200	431
1995	3,480	415	1.47	3,427	443
1996	3,597	421	1.44	3,567	485
1997	3,835	433	1.39	3,780	508
1998	3,900	439	1.38	3,808	492
1999	4,032	453	1.38	3,957	501
2000	4,209	470	1.37	4,161	545
2001	4,023	437	1.34	3,917	507
2002	3,965	428	1.33	3,867	474
2003	3,972	396	1.23	3,901	470
2004	4,259	423	1.23	4,208	491
2005	4,545	440	1.19	4,550	572

NA Not available. <sup>1</sup> Inventories are stated at current cost. <sup>2</sup> Ratio based on December seasonally adjusted data.

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2005*, Series M3-1(05). See also <<http://www.census.gov/prod/2006pubs/m3-05.pdf>> (released May 2006) and <<http://www.census.gov/indicator/www/m3/PastPressReleases/Prel/2005/dec05prel.pdf>> (released 03 February 2006).

**Table 984. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1999 to 2005**

[Based on a sample survey; for methodology, see source]

Industry	1999	2000	2001	2002	2003	2004	2005
<b>INVENTORIES-TO-SHIPMENTS RATIO</b>							
<b>All manufacturing industries</b>	<b>1.38</b>	<b>1.37</b>	<b>1.34</b>	<b>1.33</b>	<b>1.23</b>	<b>1.23</b>	<b>1.19</b>
Durable goods	1.53	1.55	1.52	1.51	1.39	1.41	1.37
Wood products	1.26	1.32	1.24	1.23	1.25	1.25	1.35
Nonmetallic mineral products	1.17	1.23	1.17	1.15	1.17	1.16	1.09
Primary metals	1.69	1.69	1.73	1.70	1.63	1.64	1.56
Fabricated metals	1.56	1.56	1.47	1.50	1.50	1.57	1.50
Machinery	2.05	2.08	2.12	2.13	1.83	1.84	1.76
Computers and electronic products	1.42	1.54	1.49	1.52	1.39	1.41	1.30
Electrical equipment, appliances, and components	1.42	1.44	1.42	1.43	1.35	1.40	1.38
Transportation equipment	1.42	1.35	1.35	1.29	1.15	1.13	1.17
Furniture and related products	1.35	1.35	1.25	1.25	1.17	1.21	1.15
Miscellaneous products	1.89	1.90	1.80	1.77	1.70	1.72	1.60
Nondurable goods	1.18	1.14	1.11	1.12	1.04	1.02	0.99
Food products	0.86	0.88	0.87	0.87	0.78	0.75	0.73
Beverages and tobacco products	1.55	1.51	1.48	1.63	1.65	1.59	1.65
Textile mills	1.52	1.49	1.54	1.42	1.21	1.19	1.20
Textile product mills	1.62	1.75	1.61	1.59	1.29	1.09	1.09
Apparel	1.89	1.89	1.74	1.72	1.42	1.60	1.64
Leather and allied products	2.18	2.12	2.47	2.59	1.57	1.63	1.71
Paper products	1.16	1.11	1.11	1.11	1.10	1.11	1.08
Printing	0.81	0.80	0.75	0.77	0.76	0.79	0.79
Petroleum and coal products	0.90	0.71	0.65	0.71	0.85	0.77	0.74
Basic chemicals	1.38	1.40	1.37	1.38	1.23	1.23	1.19
Plastics and rubber products	1.20	1.21	1.12	1.07	1.07	1.14	1.12
<b>UNFILLED ORDERS-TO-SHIPMENTS RATIO</b>							
<b>All manufacturing industries</b>	<b>1.51</b>	<b>1.57</b>	<b>1.53</b>	<b>1.45</b>	<b>1.43</b>	<b>1.40</b>	<b>1.52</b>
Durable goods	2.61	2.78	2.79	2.65	2.67	2.64	2.90
Primary metals	1.69	1.45	1.51	1.37	1.57	1.49	1.58
Fabricated metals	2.02	2.02	1.92	1.75	1.83	1.94	2.12
Machinery	2.50	2.51	2.50	2.16	2.39	2.37	2.56
Computers and electronic products	2.93	3.07	3.22	3.29	3.45	3.38	3.29
Electrical equipment, appliances, and components	1.78	1.76	1.57	1.68	1.68	1.77	1.96
Transportation equipment	4.24	4.92	4.97	4.67	4.46	4.50	5.41
Furniture and related products	1.27	1.14	1.10	0.93	0.99	1.04	1.02
Miscellaneous products	0.49	0.62	0.41	0.42	0.52	0.53	0.40

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2005*, Series M3-1(05). See also <<http://www.census.gov/prod/2006pubs/m3-05.pdf>> (released May 2006) and <<http://www.census.gov/indicator/www/m3/PastPressReleases/Prel/2005/dec05prel.pdf>> (released 03 February 2006).

**Table 985. Value of Manufacturers' Shipments, Inventories, and New Orders by Industry: 1999 to 2005**

[In millions of dollars (4,031,887 represents \$4,031,887,000,000). Based on a sample survey; for methodology, see source. These data are on a North American Industry Classification System (NAICS) 2002 basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Industry	1999	2000	2001	2002	2003	2004	2005
<b>SHIPMENTS</b>							
<b>All manufacturing industries . . . . .</b>	<b>4,031,887</b>	<b>4,208,584</b>	<b>4,022,901</b>	<b>3,965,245</b>	<b>3,972,114</b>	<b>4,259,207</b>	<b>4,544,839</b>
Durable goods . . . . .	2,326,736	2,373,688	2,203,102	2,168,434	2,130,238	2,251,915	2,385,367
Wood products . . . . .	97,311	93,669	88,550	90,120	91,240	103,420	105,030
Nonmetallic mineral products . . . . .	96,153	97,329	94,460	93,755	96,349	101,870	112,321
Primary metals . . . . .	156,648	156,598	137,469	137,789	136,839	178,996	194,247
Fabricated metals . . . . .	257,071	268,213	258,918	257,475	244,662	259,874	275,301
Machinery . . . . .	276,904	291,548	268,457	256,215	253,600	269,203	295,315
Computers and electronic products . . . . .	467,059	510,639	434,427	391,274	353,667	361,938	394,644
Electrical equipment, appliances, and components . . . . .	118,313	125,443	116,919	105,393	101,770	104,244	112,096
Transportation equipment . . . . .	676,328	639,861	613,837	634,614	645,759	659,930	666,790
Furniture and related products . . . . .	72,659	75,107	70,885	72,898	76,621	80,153	87,079
Miscellaneous products . . . . .	108,290	115,281	119,180	128,901	129,731	132,287	142,544
Nondurable goods . . . . .	1,705,151	1,834,896	1,819,799	1,796,811	1,841,876	2,007,292	2,159,472
Food products . . . . .	426,001	435,229	456,692	467,353	482,815	511,450	532,496
Beverages and tobacco products . . . . .	106,920	111,692	117,422	104,579	106,873	112,270	114,800
Textile mills . . . . .	54,306	52,112	45,141	43,152	42,557	40,258	36,012
Textile product mills . . . . .	32,689	33,654	34,165	34,933	30,827	33,254	34,326
Apparel . . . . .	62,305	60,339	56,545	53,201	40,624	33,495	33,879
Leather and allied products . . . . .	9,653	9,647	8,108	8,718	6,003	5,757	5,630
Paper products . . . . .	156,915	165,298	159,150	157,834	149,271	153,969	158,053
Printing . . . . .	101,536	104,396	99,303	96,045	92,191	93,193	89,822
Petroleum and coal products . . . . .	162,620	235,134	222,356	211,910	237,010	312,884	404,591
Basic chemicals . . . . .	420,321	449,159	442,790	441,494	477,360	528,215	553,657
Plastics and rubber products . . . . .	171,885	178,236	178,127	177,592	176,345	182,547	196,206
<b>INVENTORIES (Dec. 31)</b>							
<b>All manufacturing industries . . . . .</b>	<b>452,803</b>	<b>470,084</b>	<b>436,622</b>	<b>428,086</b>	<b>395,920</b>	<b>423,197</b>	<b>439,763</b>
Durable goods . . . . .	288,362	298,232	271,597	264,010	239,411	256,144	264,976
Wood products . . . . .	10,289	10,329	9,146	9,150	9,398	10,663	11,776
Nonmetallic mineral products . . . . .	9,279	9,799	9,009	8,746	9,114	9,570	9,925
Primary metals . . . . .	22,309	22,199	19,887	19,603	18,622	24,410	25,295
Fabricated metals . . . . .	32,800	34,085	31,070	31,368	29,844	33,087	33,631
Machinery . . . . .	46,050	49,151	45,966	43,964	37,467	39,914	42,026
Computers and electronic products . . . . .	52,838	63,024	52,001	47,614	39,309	41,073	41,131
Electrical equipment, appliances, and components . . . . .	13,510	14,505	13,307	12,112	11,027	11,694	12,354
Transportation equipment . . . . .	76,781	69,199	66,633	65,631	59,490	59,488	62,280
Furniture and related products . . . . .	7,983	8,261	7,216	7,399	7,316	7,878	8,111
Miscellaneous products . . . . .	16,523	17,680	17,362	18,423	17,824	18,367	18,447
Nondurable goods . . . . .	164,441	171,852	165,025	164,076	156,509	167,053	174,787
Food products . . . . .	30,650	31,882	33,273	34,061	31,223	31,680	32,479
Beverages and tobacco products . . . . .	14,167	14,331	14,696	14,335	14,765	14,961	15,779
Textile mills . . . . .	6,648	6,243	5,586	4,906	4,147	3,854	3,473
Textile product mills . . . . .	4,219	4,698	4,401	4,441	3,185	2,886	2,991
Apparel . . . . .	9,454	9,170	7,889	7,322	4,596	4,261	4,406
Leather and allied products . . . . .	1,675	1,634	1,603	1,814	759	757	780
Paper products . . . . .	15,034	15,205	14,604	14,414	13,448	14,083	14,008
Printing . . . . .	6,394	6,445	5,811	5,737	5,508	5,765	5,550
Petroleum and coal products . . . . .	11,375	12,840	11,179	11,614	15,466	18,675	23,303
Basic chemicals . . . . .	47,806	51,623	49,567	49,768	47,902	53,052	53,916
Plastics and rubber products . . . . .	17,019	17,781	16,416	15,664	15,510	17,079	18,102
<b>NEW ORDERS</b>							
<b>All manufacturing industries . . . . .</b>	<b>3,957,242</b>	<b>4,161,472</b>	<b>3,917,225</b>	<b>3,866,899</b>	<b>3,900,807</b>	<b>4,208,065</b>	<b>4,549,636</b>
Durable goods . . . . .	2,252,091	2,326,576	2,097,426	2,070,088	2,058,931	2,200,773	2,390,164
Wood products . . . . .	97,311	93,669	88,550	90,120	91,240	103,420	105,030
Nonmetallic mineral products . . . . .	96,153	97,329	94,460	93,755	96,349	101,870	112,321
Primary metals . . . . .	156,968	153,625	135,902	136,421	139,030	183,267	197,739
Fabricated metals . . . . .	258,116	270,021	255,179	253,809	244,335	264,364	281,683
Machinery . . . . .	278,277	294,608	263,754	246,231	258,145	271,736	304,955
Computers and electronic products . . . . .	402,216	436,415	352,220	316,275	281,435	289,773	324,505
Electrical equipment, appliances, and components . . . . .	120,774	126,196	113,930	104,845	101,309	105,329	114,951
Transportation equipment . . . . .	660,215	663,326	605,854	627,219	639,000	667,728	720,083
Furniture and related products . . . . .	73,393	74,532	70,270	72,102	77,255	80,770	87,452
Miscellaneous products . . . . .	108,668	116,855	117,307	129,311	130,833	132,516	141,445
Nondurable goods . . . . .	1,705,151	1,834,896	1,819,799	1,796,811	1,841,876	2,007,292	2,159,472

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2005*, Series M3-1(05). See also <<http://www.census.gov/prod/2006pubs/m3-05.pdf>> (released May 2006) and <<http://www.census.gov/indicator/www/m3/PastPressReleases/Prel/2005/dec05prel.pdf>> (released 03 February 2006).

**Table 986. Value of Manufacturers' Shipments, Inventories, and New Orders by Market Grouping: 1999 to 2005**

[In millions of dollars (4,031,887 represents \$4,031,887,000,000). Based on a sample survey; for methodology, see source]

Market grouping	1999	2000	2001	2002	2003	2004	2005
<b>SHIPMENTS</b>							
<b>All manufacturing industries . . . . .</b>	<b>4,031,887</b>	<b>4,208,584</b>	<b>4,022,901</b>	<b>3,965,245</b>	<b>3,972,114</b>	<b>4,259,207</b>	<b>4,544,839</b>
Consumer goods . . . . .	1,438,519	1,500,532	1,499,818	1,499,041	1,560,671	1,679,985	1,793,004
Consumer durable goods . . . . .	426,337	391,463	377,514	395,817	416,418	419,372	422,668
Consumer nondurable goods . . . . .	1,012,182	1,109,069	1,122,304	1,103,224	1,144,253	1,260,613	1,370,336
Aircraft and parts . . . . .	120,242	111,658	118,333	110,504	99,477	102,780	119,883
Defense aircraft and parts . . . . .	27,719	24,560	27,848	34,538	37,584	40,084	39,897
Nondefense aircraft and parts . . . . .	92,523	87,098	90,485	75,966	61,893	62,696	79,986
Construction materials and supplies . . . . .	434,138	444,812	430,226	432,419	426,625	459,478	488,096
Motor vehicles and parts . . . . .	498,716	471,180	439,905	463,800	485,921	494,622	481,835
Computers and related products . . . . .	113,162	110,242	92,595	84,835	68,768	64,894	78,405
Information technology industries . . . . .	374,384	399,751	357,327	314,988	277,281	283,889	307,279
Nondefense capital goods . . . . .	768,799	808,345	731,280	674,464	631,666	654,931	730,842
Excluding aircraft . . . . .	713,042	757,617	680,413	633,454	600,469	624,559	683,934
Defense capital goods . . . . .	70,955	67,051	72,946	78,434	83,825	91,107	90,677
Durables excluding capital goods . . . . .	1,486,982	1,498,292	1,398,876	1,415,536	1,414,747	1,505,877	1,563,848
<b>INVENTORIES (Dec. 31)</b>							
<b>All manufacturing industries . . . . .</b>	<b>452,803</b>	<b>470,084</b>	<b>436,622</b>	<b>428,086</b>	<b>395,920</b>	<b>423,197</b>	<b>439,763</b>
Consumer goods . . . . .	123,218	128,148	124,225	126,144	120,753	126,882	131,725
Consumer durable goods . . . . .	26,307	26,108	23,506	24,805	23,824	25,010	25,384
Consumer nondurable goods . . . . .	96,911	102,040	100,719	101,339	96,929	101,872	106,341
Aircraft and parts . . . . .	42,599	36,091	35,347	34,220	31,790	30,317	31,922
Defense aircraft and parts . . . . .	11,052	9,423	9,153	9,387	10,227	10,580	11,405
Nondefense aircraft and parts . . . . .	31,547	26,668	26,194	24,833	21,563	19,737	20,517
Construction materials and supplies . . . . .	47,510	49,389	45,034	46,201	44,546	48,890	51,168
Motor vehicles and parts . . . . .	22,102	22,283	19,773	20,428	20,686	21,837	22,445
Computers and related products . . . . .	7,963	8,350	7,035	6,126	3,662	3,971	3,974
Information technology industries . . . . .	44,375	50,795	42,259	37,905	33,715	35,553	34,758
Nondefense capital goods . . . . .	121,653	127,162	115,012	105,939	95,757	98,275	102,346
Excluding aircraft . . . . .	96,254	106,669	95,193	88,050	78,880	83,672	86,644
Defense capital goods . . . . .	19,754	17,153	17,788	17,940	15,054	14,966	14,861
Durables excluding capital goods . . . . .	146,955	153,917	138,797	140,131	128,600	142,903	147,769
<b>NEW ORDERS</b>							
<b>All manufacturing industries . . . . .</b>	<b>3,957,242</b>	<b>4,161,472</b>	<b>3,917,225</b>	<b>3,866,899</b>	<b>3,900,807</b>	<b>4,208,065</b>	<b>4,549,636</b>
Consumer goods . . . . .	1,440,903	1,501,810	1,498,197	1,498,851	1,561,641	1,680,496	1,791,838
Consumer durable goods . . . . .	428,721	392,741	375,893	395,627	417,388	419,883	421,502
Consumer nondurable goods . . . . .	1,012,182	1,109,069	1,122,304	1,103,224	1,144,253	1,260,613	1,370,336
Aircraft and parts . . . . .	107,336	130,575	111,611	103,304	90,126	102,561	175,721
Defense aircraft and parts . . . . .	25,717	31,326	36,587	39,414	40,274	30,988	36,575
Nondefense aircraft and parts . . . . .	81,619	99,249	75,024	63,890	49,852	71,573	139,146
Construction materials and supplies . . . . .	435,034	446,792	426,392	431,760	425,288	462,478	494,225
Motor vehicles and parts . . . . .	499,527	468,470	438,837	464,370	487,464	495,364	483,467
Computers and related products . . . . .	114,481	107,656	92,137	85,740	67,235	63,530	78,173
Information technology industries . . . . .	389,160	409,500	347,051	308,181	272,614	286,039	314,559
Nondefense capital goods . . . . .	772,703	831,335	698,785	647,124	627,150	664,570	805,784
Excluding aircraft . . . . .	728,089	767,754	663,396	615,525	604,513	623,449	698,118
Defense capital goods . . . . .	67,900	79,598	82,723	78,180	87,295	97,156	82,560
Durables excluding capital goods . . . . .	1,411,488	1,415,643	1,315,918	1,344,784	1,344,486	1,439,047	1,501,820

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2005*, Series M3-1(05). See also <<http://www.census.gov/prod/2006pubs/m3-05.pdf>> (released May 2006) and <<http://www.census.gov/indicator/www/m3/PastPressReleases/Prel/2005/dec05prel.pdf>> (released 03 February 2006).

**Table 987. Finances and Profits of Manufacturing Corporations: 1990 to 2005**

[In billions of dollars (2,811 represents \$2,811,000,000,000). Data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. For 1990-2001, based on Standard Industrial Classification system; thereafter, based on North American Industry Classification System (NAICS). See text, Section 15. See Table 773 for individual industry data]

Item	1990	1995	1999	2000	2001 <sup>1</sup>	2002 <sup>2</sup>	2003 <sup>2</sup>	2004 <sup>2</sup>	2005 <sup>2</sup>
Net sales . . . . .	2,811	3,528	4,149	4,548	4,308	4,295	4,217	4,397	4,934
Net operating profit . . . . .	173	268	317	348	185	186	225	237	320
Net profit:									
Before taxes . . . . .	160	274	355	381	82	83	196	306	447
After taxes . . . . .	112	198	258	275	36	36	135	237	348
Cash dividends . . . . .	62	81	104	132	102	103	106	115	143
Net income retained in business . . . . .	49	117	154	143	-67	-66	28	122	205

<sup>1</sup> Based on Standard Industrial Classification system. <sup>2</sup> Based on the North American Industry Classification System; see Text, Section 15.

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*. See also <<http://www.census.gov/prod/2006pubs/qfr05q4.pdf>> (released April 2006).

**Table 988. Manufacturing Corporations—Assets and Profits by Asset Size: 1990 to 2005**

[In millions of dollars (2,629,458 represents \$2,629,458,000,000). Corporations and assets as of end of 4th quarter; profits for entire year. Through 2000, based on Standard Industrial Classification (SIC) code; beginning 2001, based on North American Industry Classification System (NAICS). For corporations above a certain asset value based on complete canvass. The asset value for complete canvass was raised in 1988 to \$50 million and in 1995 to \$250 million. Asset sizes less than these values are sampled, except as noted. For details regarding methodology, see source for first quarter, 1988. Minus sign (-) indicates loss]

Year	Total <sup>1</sup>	Asset-size class						
		Under \$10 mil. <sup>1</sup>	\$10–\$25 mil.	\$25–\$50 mil.	\$50–\$100 mil.	\$100–\$250 mil.	\$250–\$1 bil.	\$1 bil. and over
<b>Assets:</b>								
1990	2,629,458	142,498	74,477	55,914	72,554	123,967	287,512	1,872,536
1991	2,688,422	140,056	70,567	58,549	72,694	127,748	295,743	1,923,066
1992	2,798,625	143,766	70,446	65,718	75,967	132,742	302,287	2,007,698
1993	2,904,869	149,763	72,854	61,243	81,389	134,388	317,774	2,087,457
1994	3,080,231	148,751	81,505	66,405	82,116	138,950	358,100	2,204,404
1995	3,345,229	155,618	87,011	68,538	87,262	159,133	370,263	2,417,403
1996	3,574,407	163,928	87,096	69,722	93,205	156,702	398,651	2,605,102
1997	3,746,797	167,921	87,398	76,034	85,186	157,130	397,559	2,775,570
1998	3,967,309	170,068	87,937	69,627	86,816	148,060	419,153	2,985,647
1999	4,382,814	170,058	85,200	67,352	97,810	138,143	398,881	3,425,370
2000	4,852,106	171,666	85,482	72,122	90,866	149,714	399,537	3,992,720
2001 <sup>2</sup>	4,747,789	169,701	84,664	67,493	88,088	131,617	393,752	3,812,474
2002	4,823,219	166,191	82,369	62,654	81,667	134,821	407,423	3,888,095
2003	5,162,852	161,462	80,681	62,592	77,205	126,826	392,192	4,261,894
2004	5,538,113	163,070	80,085	71,674	81,741	126,950	414,144	4,600,447
<b>Net profit: <sup>3</sup></b>								
1990	110,128	8,527	5,160	2,769	2,661	3,525	7,110	80,377
1991	66,407	6,820	4,271	2,564	1,704	1,707	5,027	44,316
1992	22,085	9,567	4,748	3,245	3,034	4,553	5,919	-8,979
1993	83,156	11,195	5,415	3,439	3,218	3,584	4,555	51,750
1994	174,874	14,131	7,057	4,072	4,996	6,745	14,626	123,250
1995	198,151	13,224	5,668	3,767	5,771	7,000	16,549	146,172
1996	224,869	15,802	6,872	4,266	5,664	7,935	16,059	168,271
1997	244,505	17,948	8,383	4,153	4,675	7,074	18,433	183,836
1998	234,386	18,350	6,421	3,790	4,681	5,610	14,364	181,170
1999	257,805	17,398	7,618	3,504	4,798	4,795	12,756	206,934
2000	275,313	16,578	6,820	3,403	2,742	3,510	15,121	227,136
2001 <sup>2</sup>	36,168	8,387	3,366	-408	403	-543	-6,782	31,746
2002	134,686	10,003	2,784	807	1,699	3,356	-1,227	117,262
2003	237,041	9,821	3,374	2,005	2,256	2,973	4,115	212,497
2004	348,160	14,973	5,745	3,828	3,080	5,140	12,787	302,571
2005	406,359	17,436	6,464	3,995	3,928	8,087	16,737	349,711

<sup>1</sup> Excludes estimates for corporations with less than \$250,000 in assets at time of sample selection. <sup>2</sup> Beginning 2001, data reported on a NAICS basis. <sup>3</sup> After taxes.

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*. See also <<http://www.census.gov/prod/2006pubs/qfr05q4.pdf>> (released April 2006).

**Table 989. Manufacturing Corporations—Selected Finances: 1990 to 2005**

[In billions of dollars (2,811 represents \$2,811,000,000,000). Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. Through 2000, based on Standard Industrial Classification code; beginning 2001, based on North American Industry Classification System (NAICS)]

Year	All manufacturing corps.			Durable goods industries			Nondurable goods industries		
	Sales	Profits <sup>1</sup>		Sales	Profits <sup>1</sup>		Sales	Profits <sup>1</sup>	
		Before taxes	After taxes		Before taxes	After taxes		Before taxes	After taxes
1990	2,811	158	110	1,357	57	41	1,454	101	69
1991	2,761	99	66	1,304	14	7	1,457	85	59
1992 <sup>2</sup>	2,890	31	22	1,390	-34	-24	1,500	65	46
1993	3,015	118	83	1,490	39	27	1,525	79	56
1994	3,256	244	175	1,658	121	87	1,598	123	88
1995	3,528	275	198	1,808	131	94	1,721	144	104
1996	3,758	307	225	1,942	147	106	1,816	160	119
1997	3,922	331	244	2,076	167	121	1,847	164	123
1998	3,949	315	234	2,169	175	128	1,781	140	107
1999	4,149	355	258	2,314	199	140	1,835	157	117
2000	4,548	381	275	2,457	191	132	2,091	190	144
2001 <sup>3</sup>	4,295	83	36	2,321	-69	-76	1,974	152	112
2002	4,217	196	135	2,261	45	21	1,955	149	113
2003	4,397	306	237	2,283	118	88	2,114	188	149
2004	4,934	447	348	2,537	200	157	2,397	248	192
2005	5,466	524	406	2,722	209	160	2,744	315	246

<sup>1</sup> Beginning 1998, profits before and after income taxes reflect inclusion of minority stockholders' interest in net income before and after income taxes. <sup>2</sup> Data for 1992 (most significantly 1992: 1 qtr.) reflect the early adoption of Financial Accounting Standards Board Statement 106 (Employer's Accounting for Post-Retirement Benefits Other Than Pensions) by a large number of companies during the fourth quarter of 1992. Data for 1993: 1 qtr. also reflect adoption of Statement 106. Corporations must show the cumulative effect of a change in accounting principle in the first quarter of the year in which the change is adopted. <sup>3</sup> Beginning 2001, data reported on a NAICS basis.

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. See also <<http://www.census.gov/prod/2006pubs/qfr05q4.pdf>> (released April 2006).



**Table 990. Tobacco Products—Summary: 1990 to 2005**

[(710 represents 710,000,000,000). Production data are for calendar years. Excludes cigars produced in customs bonded manufacturing warehouses. 2005 data are preliminary]

Item	Unit	1990	1995	1999	2000	2001	2002	2003	2004	2005
<b>PRODUCTION</b>										
Cigarettes, total	Billions	710	747	607	565	562	532	499	494	499
Nonfilter tip	Billions	23	15	8	7	6	5	6	5	(NA)
Filter tip	Billions	687	732	599	558	556	527	494	488	(NA)
Cigars	Billions	1.9	2.1	2.9	2.8	3.7	3.8	4.0	4.4	3.7
Tobacco <sup>1</sup>	Mil. lb.	142	131	133	133	130	133	137	135	143
Smoking	Mil. lb.	16	12	15	14	13	16	18	16	17
Chewing tobacco	Mil. lb.	73	63	51	49	47	45	43	39	39
Snuff	Mil. lb.	53	60	67	70	70	73	76	79	87
<b>EXPORTS</b>										
Cigarettes	Bil. cigarettes	164.3	231.1	151.4	147.9	133.9	127.4	121.5	118.7	113.1
Cigars	Bil. cigars	72.0	94.0	84.0	113.0	124.0	122.7	130.2	171.5	183.4
Smoking tobacco	Bil. lb.	0.8	0.3	1.6	0.5	11.0	7.9	0.7	1.3	1.2
<b>IMPORTS</b>										
Cigarettes	Bil. cigarettes	1.4	3.0	8.7	11.3	14.7	20.8	23.1	22.7	18.1
Cigars	Bil. cigars	111.0	195.0	463.4	497.0	543.4	413.5	508.0	615.6	651.7
Smoking tobacco	Bil. lb.	2.9	4.2	4.3	4.2	1.9	2.1	2.1	1.5	3.0
<b>CONSUMPTION</b>										
Tobacco products per person <sup>2</sup>	Lb. <sup>3</sup>	5.6	4.8	4.2	4.1	4.3	4.2	4.0	3.9	3.7
Cigarettes per person <sup>2</sup>	1,000	2.8	2.5	2.1	2.1	2.1	2.0	1.9	1.8	1.7
<b>EXPENDITURES</b>										
Consumer expenditures, total	Bil. dol.	43.8	48.7	72.1	77.5	82.9	88.2	86.8	86.3	88.9
Cigarettes	Bil. dol.	41.6	45.8	68.3	72.9	77.8	82.8	81.1	80.0	82.0
Cigars	Bil. dol.	0.7	1.0	1.8	1.8	2.1	2.2	2.5	2.9	3.2
Other	Bil. dol.	1.5	2.5	2.7	2.7	3.0	3.1	3.2	3.2	3.7

NA Not available. <sup>1</sup> Smoking and chewing tobaccos and snuff output. <sup>2</sup> Based on estimated population, 18 years old and over, as of July 1, including Armed Forces abroad. <sup>3</sup> Unstemmed processing weight equivalent.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation and Outlook*, quarterly. See also <<http://usda.mannlib.cornell.edu/usda/ers/TBS/2000s/2006/TBS-04-28-2006.pdf>> (released 25 April 2006).

**Table 991. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1990 to 2004**

[14,011 represents 14,011,000,000. Represents products manufactured by U.S. mills. Excludes glass fiber]

Year	Cotton			Wool		Manufactured fibers					
	Total (mil. lb.)	Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use	Artificial		Synthetic			
						Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use		
<b>Total:</b>											
1990	14,011	4,699	33.5	185	1.3	9,127	65.1	599	4.3	8,528	60.9
2000	17,904	5,128	28.6	132	0.7	12,645	70.6	305	1.7	12,340	68.9
2001	16,231	4,619	28.5	116	0.7	11,496	70.8	282	1.7	11,214	69.1
2002	15,715	4,102	26.1	96	0.6	11,518	73.3	250	1.6	11,268	71.7
2003	14,816	3,512	23.7	99	0.7	11,205	75.6	225	1.5	10,980	74.1
2004	13,948	2,726	19.5	93	0.7	11,129	79.8	228	1.6	10,911	78.2
<b>Apparel:</b>											
1990	5,204	2,897	55.7	118	2.3	2,189	42.1	287	5.5	1,902	36.5
2000	6,039	3,089	51.2	79	1.3	2,871	47.5	154	2.5	2,717	45.0
2001	5,335	2,648	49.6	73	1.4	2,613	49.0	135	2.5	2,479	46.5
2002	4,733	2,232	47.2	64	1.4	2,437	51.5	113	2.4	2,325	49.1
2003	4,133	1,912	46.3	65	1.6	2,157	52.2	93	2.3	2,064	49.9
2004	3,447	1,420	41.2	62	1.8	1,965	57.0	76	2.2	1,889	54.8
<b>Home textiles:</b>											
1990	2,235	1,325	59.3	14	0.6	896	40.1	104	4.7	792	35.4
2000	2,862	1,644	57.4	15	0.5	1,203	42.0	61	2.1	1,142	39.9
2001	2,678	1,587	59.3	13	0.5	1,079	40.3	56	2.1	1,022	38.2
2002	2,504	1,492	59.6	10	0.4	1,002	40.0	49	2.0	953	38.0
2003	2,173	1,278	58.8	12	0.6	883	40.6	43	2.0	840	38.7
2004	1,778	974	54.8	10	0.6	794	44.7	40	2.3	753	42.4
<b>Floor coverings:</b>											
1990	3,075	18	0.6	21	0.7	3,036	98.7	-	-	3,036	98.7
2000	4,519	31	0.7	25	0.6	4,464	98.8	-	-	4,463	98.8
2001	4,059	30	0.7	20	0.5	4,009	98.8	-	-	4,009	98.8
2002	4,261	30	0.7	14	0.3	4,218	99.0	-	-	4,218	99.0
2003	4,377	29	0.7	14	0.3	4,334	99.0	-	-	4,334	99.0
2004	4,481	29	0.6	14	0.3	4,438	99.0	-	-	4,438	99.0
<b>Industrial:</b> <sup>1</sup>											
1990	2,965	313	10.6	10	0.3	2,642	89.1	179	6.0	2,463	83.1
2000	4,484	364	8.1	13	0.3	4,107	91.6	90	2.0	4,017	89.6
2001	4,160	354	8.5	10	0.2	3,796	91.3	91	2.2	3,705	89.1
2002	4,216	347	8.2	8	0.2	3,861	91.6	88	2.1	3,773	89.5
2003	4,133	293	7.1	8	0.2	3,832	92.7	89	2.1	3,743	90.6
2004	4,242	303	7.1	7	0.2	3,932	92.7	112	2.6	3,831	90.3

- Represents or rounds to zero. <sup>1</sup> Includes consumer-type products.

Source: Fiber Economics Bureau, Inc., Arlington, VA, *Fiber Organon*, monthly (copyright).

**Table 992. Broadwoven and Knit Fabrics—Shipments and Foreign Trade: 2004**

[2,106,257 represents 2,106,257,000. Fabric blends as shown in the report are reported based on the chief weight of the fiber; whereas, fabrics blends as shown for imports are based on the chief value of the fiber]

Product description	Manufacturers' shipments (quantity)	Imports for consumption		Percent imports to manufacturers' shipments	Exports of domestic merchandise		Percent exports to manufacturers' shipments
		Quantity	Value <sup>1</sup> (\$1,000)		Quantity	Value (\$1,000)	
<b>BROADWOVEN FABRICS</b> (quantity 1,000 sq. meters)							
Cotton fabrics <sup>2</sup> . . . . .	2,106,257	1,463,642	1,651,717	69.5	567,112	1,095,264	26.9
Manmade fiber fabrics . . . . .	7,076,464	1,156,673	1,364,501	16.3	629,473	1,237,438	8.9
Silk fabrics (D) . . . . .		40,462	298,456	(D)	4,379	21,006	(D)
Wool fabrics . . . . .	15,910	21,662	199,852	136.2	8,998	47,047	56.6
<b>KNIT FABRICS</b> (quantity 1,000 kilograms)							
<b>Total</b> . . . . .	<b>432,333</b>	<b>182,681</b>	<b>1,120,374</b>	<b>42.3</b>	<b>272,322</b>	<b>1,625,238</b>	<b>63.0</b>
Pile fabrics . . . . .	35,885	31,421	190,124	87.6	17,472	162,083	48.7
Elastic fabric . . . . .	26,413	34,527	345,550	(S)	41,070	389,721	(S)
Other warp knit fabrics . . . . .	50,017	28,242	173,883	56.5	11,849	104,934	23.7
Other narrow knit fabrics . . . . .	9,890	1,058	11,744	10.7	3,649	30,150	36.9
Other knit fabrics . . . . .	310,128	87,434	399,072	28.2	198,282	938,350	63.9

D Data withheld to avoid disclosing figures for individual companies. S Does not meet publication standards.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MQ313 and MA313K, annual. See also <<http://www.census.gov/industry/1/mq313t045.pdf>> (issued June 2005) <<http://www.census.gov/industry/1/ma313k04.pdf>> (issued May 2005).

**Table 993. Footwear—Consumption, Production, and Imports: 1990 to 2004**

[In millions of pairs of shoes (1,305.2 represents 1,305,200,000), except as indicated]

Item	1990	2000	2003	2004	Item	1990	2000	2003	2004
<b>CONSUMPTION</b>					Other . . . . .	(NA)	2.0	0.2	0.2
<b>Consumption, total</b> . . . . .	<b>1,305.2</b>	<b>1,851.5</b>	<b>2,007.9</b>	<b>2,159.0</b>	Rubber or fabric . . . . .	(NA)	20.6	11.3	8.5
Production . . . . .	184.6	86.6	39.8	35.2	Plastic or protective . . . . .	(NA)	7.2	6.2	6.8
Imports . . . . .	1,120.7	1,764.9	1,968.1	2,123.8	<b>IMPORTS</b>				
Percent of consumption . . . . .	85.9	95.3	98.0	98.4	Men's . . . . .	102.1	200.5	213.3	220.5
<b>PRODUCTION</b>					Men's work . . . . .	13.2	24.1	26.5	27.8
Men's . . . . .	(NA)	24.0	12.7	12.1	Women's . . . . .	415.2	587.2	730.5	814.4
Men's work . . . . .	(NA)	9.2	8.1	8.9	Juveniles' . . . . .	132.8	228.3	251.5	259.8
Women's . . . . .	(NA)	9.8	5.2	4.7	Athletic . . . . .	212.3	288.1	345.2	361.8
Juveniles' . . . . .	(NA)	1.4	0.3	0.2	Slippers . . . . .	17.9	76.3	84.5	124.9
Athletic . . . . .	(NA)	0.3	0.1	0.1	Other . . . . .	3.9	9.9	9.4	9.6
Slippers . . . . .	(NA)	31.2	3.9	2.7	Rubber or fabric . . . . .	199.2	317.3	225.7	188.4
					Plastic or protective . . . . .	23.9	10.4	18.3	19.2

NA Not available.

Source: American Apparel and Footwear Association, Arlington, VA, *Shoe Stats*, annual. See also <<http://www.apparelandfootwear.org/>>.

**Table 994. Pharmaceutical Preparations—Value of Shipments: 1990 to 2005**

[In millions of dollars (33,954 represents 33,954,000,000)]

Product description	NAICS product code <sup>1</sup>	1990	2000	2002	2003	2004	2005
		<b>Pharmaceutical preparations, except biologicals</b> . . . . .	<b>(X)</b>	<b>33,954</b>	<b>79,262</b>	<b>100,741</b>	<b>107,561</b>
Affecting neoplasms, endocrine systems, and metabolic disease . . . . .	3254121100	2,743	9,784	17,499	20,065	20,789	23,341
Acting on the central nervous system and sense organs . . . . .	3254124100	7,219	18,508	24,345	24,759	25,001	25,044
Acting on the cardiovascular system . . . . .	3254127100	4,815	8,993	10,339	9,671	10,224	10,246
Acting on the respiratory system . . . . .	325412A100	3,724	10,179	12,504	13,758	15,148	16,216
Acting on the digestive system . . . . .	325412D100	4,840	10,046	13,373	15,052	15,252	16,776
Acting on the skin . . . . .	325412G100	1,558	2,941	2,844	3,083	3,283	3,245
Vitamin, nutrient, and hematonic preps. . . . .	325412L100	2,588	5,676	6,029	6,877	6,683	6,827
Affecting parasitic and infective disease . . . . .	325412P100	5,411	11,037	11,337	11,848	10,819	11,244
Pharmaceutical preps. for veterinary use . . . . .	325412T100	1,057	2,096	2,471	2,449	2,653	3,362

X Not applicable. <sup>1</sup> Based on the North American Industry Classification System, 1997; see text Section 15.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MA28G; thereafter, MA325G(01)-1. See also <<http://www.census.gov/industry/1/ma325g05.pdf>> (released June 2006).

**Table 995. Inorganic Chemicals and Fertilizers—Production: 1995 to 2004**

[17,402 represents 17,402,000]

Product description	Unit	1995	2000	2001	2002	2003	2004
<b>INORGANIC FERTILIZERS</b>							
Ammonia, synthetic anhydrous . . . . .	1,000 sh. tons . . . . .	17,402	15,809	12,227	13,863	11,130	12,058
Ammonium nitrate, original solution . . . . .	1,000 sh. tons . . . . .	8,489	7,979	6,431	7,096	6,328	7,229
Ammonium sulfate . . . . .	1,000 sh. tons . . . . .	2,647	2,808	2,588	2,945	2,871	3,005
Urea (100%) . . . . .	1,000 sh. tons . . . . .	8,117	7,682	6,702	7,758	6,375	6,344
Nitric acid (100%) . . . . .	1,000 sh. tons . . . . .	8,839	8,708	7,074	7,651	7,189	7,129
Phosphoric acid (100% P <sub>2</sub> O <sub>5</sub> ) . . . . .	1,000 sh. tons . . . . .	13,134	12,492	11,546	12,289	12,537	12,693
Sulfuric acid, gross (100%) . . . . .	1,000 sh. tons . . . . .	47,519	43,643	40,064	39,760	41,144	41,920
Superphosphates and other fertilizer materials (100% P <sub>2</sub> O <sub>5</sub> ) . . . . .	1,000 sh. tons . . . . .	10,364	8,899	8,109	8,756	8,837	8,737
<b>INORGANIC CHEMICALS</b>							
Chlorine gas . . . . .	1,000 metric tons . . . . .	12,395	14,000	11,489	11,438	10,361	12,329
Sodium hydroxide, total liquid . . . . .	1,000 metric tons . . . . .	11,408	11,523	9,813	9,461	8,796	9,620
Potassium hydroxide liquid . . . . .	1,000 metric tons . . . . .	(D)	539	465	470	471	525
Finished sodium bicarbonate . . . . .	1,000 metric tons . . . . .	520	536	513	535	540	579
Titanium dioxide, composite and pure . . . . .	1,000 metric tons . . . . .	1,382	1,547	1,327	1,409	1,422	(NA)
Hydrochloric acid . . . . .	1,000 metric tons . . . . .	3,904	4,717	3,970	4,028	(S)	5,302
Aluminum oxide . . . . .	1,000 metric tons . . . . .	4,764	(D)	2,863	(D)	(D)	(D)
Aluminum sulfate (commercial) . . . . .	1,000 metric tons . . . . .	1,144	1,076	1,020	1,054	965	992
Sodium chlorate . . . . .	1,000 metric tons . . . . .	617	940	792	721	669	677
Sodium phosphate tripoly . . . . .	1,000 metric tons . . . . .	(D)	(D)	(D)	(D)	(D)	(D)
Sodium silicates <sup>1</sup> . . . . .	1,000 metric tons . . . . .	1,203	1,136	1,070	1,054	1,074	1,114
Sodium metasilicates . . . . .	1,000 metric tons . . . . .	93	72	63	58	61	58
Sodium sulfate . . . . .	1,000 metric tons . . . . .	(D)	509	76	74	89	86
Carbon activated <sup>2</sup> . . . . .	1,000 metric tons . . . . .	156	166	(S)	(D)	112	(D)
Hydrogen peroxide . . . . .	1,000 metric tons . . . . .	355	1,083	(S)	(S)	340	357
Phosphorous, oxychloride, and trichloride . . . . .	1,000 metric tons . . . . .	226	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.  
<sup>1</sup> Other than metasilicates. <sup>2</sup> Granular and pulverized.

Source: U.S. Census Bureau, Current Industrial Reports, Series MAQ325A, and MA325B, annual. See also <<http://www.census.gov/industry/1/mq325a045.pdf>> (released September 2005) and <<http://www.census.gov/industry/1/mq325b045.pdf>> (released September 2005).

**Table 996. Aluminum—Supply, Shipments, and Foreign Trade: 1990 to 2005**

[In millions of pounds (17,334 represents 17,334,000,000)]

Item	1990	1995	2000	2001	2002	2003	2004	2005
<b>SUPPLY</b>								
<b>Aluminum supply, total . . . . .</b>	<b>17,334</b>	<b>20,425</b>	<b>23,586</b>	<b>20,071</b>	<b>21,118</b>	<b>21,146</b>	<b>22,282</b>	<b>23,571</b>
Primary production . . . . .	8,925	7,441	8,087	5,812	5,964	5,962	5,549	5,468
Recovery from scrap . . . . .	5,276	7,030	7,606	6,543	6,453	6,215	6,669	6,592
Imports of ingot and mill products . . . . .	3,133	5,956	7,893	7,687	8,702	8,969	10,064	11,510
<b>Aluminum net shipments, total<sup>1</sup> . . . . .</b>	<b>17,188</b>	<b>21,019</b>	<b>24,496</b>	<b>22,802</b>	<b>23,607</b>	<b>23,391</b>	<b>24,952</b>	<b>25,595</b>
<b>PRODUCT</b>								
Mill products, total . . . . .	13,013	15,716	17,676	15,434	15,700	15,691	17,123	17,784
Sheet, plate, and foil . . . . .	9,297	11,168	12,116	10,376	10,569	10,561	11,461	11,817
Rod, bar, and wire . . . . .	370	534	690	571	591	576	631	660
Electrical conductor . . . . .	542	566	681	675	708	693	766	807
Extruded shapes and tube . . . . .	2,546	3,102	3,792	3,447	3,457	3,468	3,821	4,048
Powder and paste . . . . .	106	108	142	142	142	146	155	144
Forgings and impacts . . . . .	152	238	255	223	233	247	289	308
Ingot for castings and other <sup>2</sup> . . . . .	4,175	5,303	6,820	7,368	7,907	7,700	7,829	7,811
<b>MARKET</b>								
Domestic, total . . . . .	14,637	18,152	21,680	20,506	21,211	21,403	22,904	23,113
Building and construction . . . . .	2,663	2,679	3,204	3,288	3,437	3,432	3,692	3,693
Transportation . . . . .	3,205	5,749	7,947	7,033	7,523	7,804	8,509	8,683
Consumer durables . . . . .	1,122	1,369	1,692	1,421	1,504	1,498	1,585	1,561
Electrical . . . . .	1,309	1,395	1,704	1,507	1,491	1,433	1,583	1,657
Machinery and equipment . . . . .	992	1,257	1,496	1,476	1,427	1,452	1,610	1,664
Containers and packaging . . . . .	4,772	5,088	4,992	4,961	4,979	4,941	5,098	5,115
Other . . . . .	574	615	645	820	850	843	827	740
Exports . . . . .	2,551	2,867	2,816	2,296	2,396	1,988	2,048	2,482
<b>FOREIGN TRADE<sup>3</sup></b>								
Exports . . . . .	3,753	3,846	4,100	3,734	3,746	3,662	4,416	5,629
Imports . . . . .	3,718	6,899	9,358	8,828	9,679	9,884	11,221	12,607

<sup>1</sup> Statistics on shipments and markets for 1990–2000 represent total U.S. producer's shipments plus imports by consumers. Figures for 2001–2005 include Canada. <sup>2</sup> Net ingot for foundry castings, export and destructive uses. <sup>3</sup> U.S. imports and exports of aluminum ingot, mill products, and scrap.

Source: The Aluminum Association, Inc., Washington, DC, *Aluminum Statistical Review*, annual.

**Table 997. Iron and Steel Industry—Summary: 1990 to 2005**

[95.5 represents 95,500,000 tons. For financial data, the universe in 1992 consists of the companies that produced 68 percent of the total reported raw steel production. The financial data represent the operations of the steel segment of the companies. Minus sign (-) indicates net loss]

Item	Unit	1990	1995	2000	2001	2002	2003	2004	2005, prel.
Steel mill products, apparent supply . . .	Mil. tons <sup>1</sup>	95.5	109.6	131.9	116.4	117.8	116.1	131.8	119.3
Net shipments . . . . .	Mil. tons	85.0	97.5	109.1	98.9	100.0	106.0	111.4	103.5
Exports . . . . .	Mil. tons <sup>1</sup>	4.3	7.1	6.5	6.1	6.0	8.2	7.9	9.4
Imports . . . . .	Mil. tons <sup>1</sup>	17.2	24.4	29.4	30.1	32.6	23.1	35.8	32.1
Scrap consumed . . . . .	Mil. tons	50.1	62.0	65.0	63.0	62.0	61.8	57.3	(NA)
Scrap inventory . . . . .	Mil. tons <sup>1</sup>	3.6	4.1	5.3	4.9	4.2	4.5	4.8	(NA)
Iron and steel products: Exports . . . . .	Mil. tons	5.3	8.2	7.7	7.2	7.0	9.3	9.6	11.3
Imports . . . . .	Mil. tons <sup>1</sup>	21.9	27.3	42.6	34.4	37.3	27.9	41.2	37.8
Capacity by steelmaking process . . . . .	Mil. net tons	116.7	112.4	130.3	125.5	113.7	121.6	116.1	119.5
Revenue . . . . .	Bil. dol.	30.9	35.1	38.8	31.0	31.6	34.3	51.1	(NA)
Net income . . . . .	Bil. dol.	0.1	1.5	-1.1	-3.9	-1.3	-6.9	4.4	(NA)
Stockholders' equity . . . . .	Bil. dol.	4.3	8.6	9.9	5.5	1.4	-5.0	11.2	(NA)
Total assets . . . . .	Bil. dol.	28.3	35.1	43.9	38.1	34.1	29.8	37.3	(NA)
Capital expenditures <sup>2</sup> . . . . .	Bil. dol.	2.6	2.5	2.1	1.1	1.1	2.1	1.6	(NA)
Working capital ratio <sup>2</sup> . . . . .	Ratio.	1.6	1.5	1.7	1.6	1.3	0.9	2.1	(NA)
Inventories . . . . .	Bil. dol.	4.7	5.1	6.8	5.7	5.5	4.9	6.5	(NA)
Average employment . . . . .	1,000	169.0	122.6	99.5	88.0	74.4	42.5	39.7	(NA)
Hours worked . . . . .	Million	350.0	269.2	219.7	186.4	157.1	90.6	87.8	(NA)
Index of output, all employees <sup>3</sup> . . . . .	1997 = 100	70.2	90.0	106.0	104.4	124.9	130.3	157.7	(NA)

NA Not available. <sup>1</sup> In millions of short tons. <sup>2</sup> Current assets to current liabilities. <sup>3</sup> NAICS code 3311. Output per hour. Source: U.S. Bureau of Labor Statistics, Internet site <<http://stats.bls.gov/iphome.htm>>.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

**Table 998. Steel Products—Net Shipments by Market Classes: 1990 to 2005**

[In thousands of short tons (84,981 represents 84,981,000). Comprises carbon, alloy, and stainless steel]

Market class	1990	1995	2000	2001	2002	2003	2004	2005
<b>Net shipments, total<sup>1</sup></b> . . . . .	<b>84,981</b>	<b>97,494</b>	<b>109,050</b>	<b>99,448</b>	<b>99,191</b>	<b>105,974</b>	<b>111,385</b>	<b>103,474</b>
Automotive . . . . .	11,100	14,622	16,063	14,059	12,562	15,883	13,858	13,031
Steel service centers, distributors . . . . .	21,111	23,751	30,108	27,072	22,828	28,551	34,667	23,213
Construction, incl. maintenance <sup>2</sup> . . . . .	9,245	14,892	20,290	21,543	15,729	23,787	23,810	15,858
Containers, packaging, shipping . . . . .	4,474	4,139	3,708	3,232	3,251	3,028	2,592	2,504
Machinery, industrial equipment, tools . . . . .	2,388	2,310	1,784	1,456	1,137	1,178	1,853	1,300
Steel for converting and processing . . . . .	9,441	10,440	12,708	10,311	7,201	9,448	8,151	7,559
Rail transportation . . . . .	1,080	1,373	1,307	981	751	938	1,185	1,019
Contractors' products . . . . .	2,870	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Oil and gas industries . . . . .	1,892	2,643	2,885	2,953	1,658	2,112	2,487	2,056
Electrical equipment . . . . .	2,453	2,397	2,055	1,684	1,336	1,099	2,026	1,088
Appliances, utensils, and cutlery . . . . .	1,540	1,589	1,907	1,820	1,734	2,018	919	1,895

<sup>1</sup> Includes nonclassified shipments and other classes not shown separately. <sup>2</sup> Beginning 1994, contractors' products included with construction.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

**Table 999. Metalworking Machinery—Value of Shipments: 1990 to 2004**

[In millions of dollars (3,426 represents \$3,426,000,000)]

Product	2000 NAICS code <sup>1</sup>	1990	1995	2000	2001	2002	2003	2004
		<b>3,426</b>	<b>4,547</b>	<b>3,632</b>	<b>2,988</b>	<b>2,002</b>	<b>1,966</b>	<b>2,492</b>
Metal cutting type <sup>3</sup> . . . . .	(X)	2,371	3,037	2,552	2,164	1,419	1,399	1,839
Boring machines <sup>3</sup> . . . . .	333512A1	( <sup>3</sup> )	172	87	125	128	77	91
Drilling machines <sup>3</sup> . . . . .	333512A1	184	79	24	23	17	53	53
Gear cutting machines . . . . .	33351211	103	137	181	137	111	287	342
Grinding and polishing machines . . . . .	33351221	434	550	454	368	211	169	196
Lathes . . . . .	33351231	356	478	287	262	132	119	232
Milling machines <sup>5</sup> . . . . .	33351241	214	195	151	138	56	39	35
Machining centers <sup>7</sup> . . . . .	33351271	437	699	630	435	274	318	475
Station type machines . . . . .	33351281	502	477	402	348	170	(D)	(D)
Other metal cutting machine tools . . . . .	33351291	142	246	333	276	238	250	365
Remanufactured metal cutting machine tools . . . . .	3335126111	(NA)	(NA)	(NA)	49	50	42	46
Metal forming type . . . . .	(X)	1,080	1,511	1,080	824	583	567	653
Punching and shearing machines . . . . .	33351311 pt.	200	326	204	155	106	103	148
Bending and forming machines . . . . .	33351311 pt.	223	257	262	203	141	133	175
Presses, except forging . . . . .	33351331	308	379	303	180	140	121	123
Forging machines . . . . .	33351351 pt.	74	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming <sup>8</sup> . . . . .	33351351 pt.	275	548	311	276	187	169	150

D Data withheld to avoid disclosure. NA Not available. X Not applicable. <sup>1</sup> Based on the North American Industry Classification System, 2000; see text Section 15. <sup>2</sup> Beginning 1995, data for "All lathes (turning machines)" and "All milling machines," valued at under \$3,025 each are included in total "Metal cutting type" for 1995 through 2000. <sup>3</sup> For 1990, data for "Boring machines" were combined with "Drilling machines" to avoid disclosing individual company data. <sup>4</sup> Beginning 1995, product code 33351230, "Lathes," excludes the value for product code 3335123031. All lathes valued under \$3,025 each. <sup>5</sup> Beginning 1995, product code 33351240, "Milling machines," excludes the value for product code 3335124001. "All milling machines valued under \$3,025 each." <sup>6</sup> Multifunction numerically controlled machines. <sup>7</sup> Excludes those designed primarily for home workshops, labs, etc. <sup>8</sup> For 1995 through 2003, data for "Forging machines" have been combined with "Other metal forming machines" to avoid disclosing individual company data.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports, Series MQ35W*; and thereafter, MQ333W. See also <<http://www.census.gov/industry/1/mq333w045.pdf>> (released July 2005).

**Table 1000. U.S. Machine Tool Consumption—Gross New Orders and Exports: 2004 and 2005**

[Value in millions of dollars (3,244 represents \$3,244,000,000)]

Item	2004				2005			
	Total	Metal cutting machines	Metal forming machines	Other manufacturing technology	Total	Metal cutting machines	Metal forming machines	Other manufacturing technology
<b>New order units, total . . .</b>	<b>21,015</b>	<b>18,434</b>	<b>1,184</b>	<b>1,397</b>	<b>22,943</b>	<b>19,324</b>	<b>1,103</b>	<b>2,516</b>
Northeast <sup>1</sup> . . . . .	3,509	3,121	157	231	3,605	3,077	165	363
South <sup>2</sup> . . . . .	3,460	2,898	270	292	3,892	3,198	209	485
Midwest <sup>3</sup> . . . . .	6,331	5,422	369	540	6,837	5,545	289	1,003
Central <sup>4</sup> . . . . .	4,429	3,960	249	220	4,993	4,252	297	445
West <sup>5</sup> . . . . .	3,287	3,034	139	114	3,615	3,252	143	221
<b>New order value, total . . .</b>	<b>3,244</b>	<b>2,658</b>	<b>185</b>	<b>401</b>	<b>3,606</b>	<b>2,887</b>	<b>194</b>	<b>526</b>
Northeast <sup>1</sup> . . . . .	479	402	18	59	480	404	24	52
South <sup>2</sup> . . . . .	495	376	57	62	596	452	45	99
Midwest <sup>3</sup> . . . . .	1,267	1,040	59	169	1,254	992	66	196
Central <sup>4</sup> . . . . .	610	495	34	81	803	633	42	128
West <sup>5</sup> . . . . .	392	345	18	29	473	406	16	51
Export order units <sup>6</sup> . . . . .	1,763	1,425	159	179	1,943	1,461	206	276
Export order value <sup>6</sup> . . . . .	447	345	35	67	565	424	48	93

<sup>1</sup> Covers Maine, New Hampshire, Vermont, New York, Massachusetts, Connecticut, Rhode Island, New Jersey, and Pennsylvania. <sup>2</sup> Covers Delaware, Maryland, Virginia, West Virginia, Kentucky, North Carolina, South Carolina, Tennessee, Mississippi, Alabama, Georgia, and Florida. <sup>3</sup> Covers Wisconsin, Michigan, Ohio, Illinois, and Indiana. <sup>4</sup> Covers Minnesota, North Dakota, South Dakota, Montana, Wyoming, Idaho, Iowa, Nebraska, Kansas, Missouri, Oklahoma, Arkansas, Louisiana, Texas, New Mexico, Colorado, and Utah. <sup>5</sup> Covers Washington, Oregon, California, Nevada, and Arizona. <sup>6</sup> Represents orders placed with U.S. builders.

Source: The Association for Manufacturing Technology, McLean, VA, (copyright); and American Machine Tool Distributors Association, Rockville, MD, *U.S. Machine Tool Consumption Report*, monthly.

**Table 1001. Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 2004**

[In millions of dollars (56,301 represents \$56,301,000,000). N.e.c. = not elsewhere classified]

Product	2000 NAICS code <sup>1</sup>	1990	2000	2001	2002	2003	2004
		(X)					
<b>Total . . . . .</b>	<b>(X)</b>	<b>56,301</b>	<b>164,854</b>	<b>118,868</b>	<b>104,897</b>	<b>103,438</b>	<b>115,340</b>
Transmittal, industrial, and special-purpose electron tubes (except x-ray) . . . . .	3344111	1,097	703	700	584	629	638
Electron tubes, receiving type . . . . .	(X)	24	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Receiving type electron tubes and cathode ray picture tubes . . . . .	3344114	1,344	2,458	2,847	2,486	2,150	2,049
Electron tube parts . . . . .	3344117	143	144	125	91	63	68
Printed circuit boards . . . . .	3344120	7,175	11,892	8,911	5,764	4,871	4,965
Integrated microcircuits (semiconductor networks) . . . . .	3344131	16,623	73,664	46,337	49,726	54,830	65,950
Transistors . . . . .	3344134	682	1,569	913	818	608	656
Diodes and rectifiers . . . . .	3344137	668	621	403	370	391	407
Other semiconductor devices . . . . .	334413A	5,741	9,757	7,632	6,632	6,519	7,176
Capacitors for electronic applications . . . . .	3344140	1,392	2,786	1,734	1,338	1,192	1,170
Resistors . . . . .	3344150	800	982	776	653	636	714
Coils, transformers, reactors, and chokes for electronic applications . . . . .	3344160	976	1,719	1,362	1,154	957	1,048
Coaxial connectors . . . . .	3344171	420	805	506	464	402	400
Cylindrical connectors . . . . .	3344174	514	725	688	528	563	631
Rack and panel connectors . . . . .	3344177	500	532	359	264	268	290
Printed circuit connectors . . . . .	334417A	805	1,811	1,147	776	834	1,015
Other connectors including parts . . . . .	334417D	1,085	2,059	2,052	1,436	1,418	1,101
Filters (except microwave) and piezoelectric devices . . . . .	3344191	457	1,168	984	726	601	619
Transducers, electrical/electronic input or output . . . . .	3344194	741	1,519	1,331	1,203	1,219	1,464
Switches, mechanical types for electronic circuitry . . . . .	3344197	579	903	828	836	739	729
Printed circuit assemblies . . . . .	334418B	8,269	37,273	31,214	23,171	19,715	19,838
Microwave components and devices . . . . .	334419A	1,369	2,435	1,848	1,511	1,415	1,303
All other electronic components n.e.c . . . . .	334419E	4,898	8,332	6,173	4,366	4,060	4,110

X Not applicable. <sup>1</sup> North American Industry Classification System, 2000; see text, Section 15. <sup>2</sup> Product codes combined to avoid disclosing figures for individual companies.

Source: U.S. Census Bureau, 1990, Current Industrial Reports, Series MA36Q; thereafter, MA334Q. See also <<http://www.census.gov/industry/1/ma334q04.pdf>> (released August 2005).

**Table 1002. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 2004**

[In millions of dollars (25,630 represents \$25,630,000,000)]

Selected products	1990	1995	2000	2001	2002	2003	2004
Electronic computers <sup>1</sup>	25,630	49,038	62,857	48,541	40,448	38,271	39,540
Host computers (multiusers)	(NA)	(NA)	22,877	16,469	13,053	12,237	12,786
Single user computers	(NA)	(NA)	38,981	31,492	26,586	25,164	26,164
Other computers	(NA)	(NA)	998	581	809	870	590
Loaded computer processor boards and board subassemblies <sup>2</sup>	2,247	24,448	37,273	31,214	23,171	19,715	19,838
Computer storage devices & equipment	7,488	7,903	8,995	7,319	5,027	5,101	5,065
Parts for computer storage devices & subassemblies	955	2,236	1,692	1,699	1,578	1,130	991
Computer terminals	2,067	1,086	415	361	266	258	299
Computer peripheral equipment, n.e.c. <sup>3</sup>	7,697	12,331	12,434	10,637	10,460	9,483	9,373
Parts for input/output equipment	3,706	2,391	2,766	2,360	1,905	1,849	2,593
Calculating and accounting machines	(D)	1,279	1,210	1,191	845	923	735
Magnetic and optical recording media	3,695	5,106	3,206	2,228	2,207	2,271	1,882

NA Not available. D Withheld to avoid disclosing data for individual companies. <sup>1</sup> Beginning 2000, computer industry data are not entirely comparable to previous years. <sup>2</sup> These data are collected on two Current Industrial Report forms, MA35R, Computers and Office and Accounting Machines (Shipments) and MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components. <sup>3</sup> n.e.c. = not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <http://www.census.gov/industry/1/ma334r04.pdf> (released August 2005).

**Table 1003. Computers and Office and Accounting Machines—Shipments: 2003 and 2004**

[Quantity in thousands of units (23,029 represents 23,029,000, value in millions of dollars (38,271 represents \$38,271,000,000)]

Product	Number of companies, 2004	Quantity (1,000)		Value (mil. dol.)	
		2003	2004	2003	2004
<b>Electronic computers (automatic data processors)</b>	<b>109</b>	<b>23,029</b>	<b>24,492</b>	<b>38,271</b>	<b>39,540</b>
Host computers (multiusers):					
Large scale systems and unix servers	13	175	94	3,184	2,463
Medium-scale systems and unix servers	17	(D)	(D)	(D)	(D)
PC servers	21	(D)	(D)	(D)	(D)
Other host computers	7	(D)	(D)	(D)	(D)
Single-user computers:					
Personal computers	29	14,950	15,790	14,709	15,272
Workstations	33	1,168	1,027	1,991	1,912
Laptops (AC/DC)	8	9	42	25	72
Notebooks, subnotebooks (battery operated)	12	5,107	5,641	8,161	8,604
Personal digital assistants	5	(D)	(D)	(D)	(D)
Other portable computers	4	(D)	(D)	(D)	(D)
Other single-user computers	4	315	416	278	304
Other computers	26	164	184	870	590
Computer storage devices and equipment	51	(X)	(X)	5,101	5,065
Parts for computer storage devices and subassemblies	16	(X)	(X)	1,129	991
Computer terminals	25	(X)	(X)	258	299
Computer peripheral equipment, n.e.c. <sup>1</sup>	185	(X)	(X)	9,483	9,373
Keyboards	19	1,100	195	47	34
Computer printers:					
Laser	20	2,040	2,694	1,998	1,293
Inkjet	8	(D)	(D)	(D)	(D)
Calculating and accounting machines	34	(X)	(X)	923	735
Printed circuit assemblies	615	(X)	(X)	19,715	19,838
Magnetic and optical recording media	34	(X)	(X)	2,271	1,882

X Not applicable. D Withheld to avoid disclosure of individual companies. <sup>1</sup> n.e.c. = not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <http://www.census.gov/industry/1/ma334r04.pdf> (released August 2005).

**Table 1004. Consumer Electronics and Electronic Components—Factory Sales by Product Category: 1990 to 2005**

[In millions of dollars (43,033 represents \$43,033,000,000). Factory sales include imports]

Product category	1990	1995	2000	2001	2002	2003	2004	2005
<b>Total</b> <sup>1</sup>	<b>43,033</b>	<b>67,905</b>	<b>96,943</b>	<b>94,211</b>	<b>95,793</b>	<b>102,611</b>	<b>113,090</b>	<b>125,910</b>
Video products, total <sup>1</sup>	12,440	15,376	17,927	16,607	18,506	19,267	20,999	22,552
Analog direct-view color TV	6,197	6,798	6,503	5,130	5,782	4,756	3,526	2,734
Analog projection TV	626	1,417	1,481	1,060	733	293	85	15
Monochrome TV	99	34	15	15	12	9	5	4
Digital direct-view and projection TV	(NA)	(NA)	1,355	2,485	3,574	4,351	6,271	5,320
LCD TV	83	75	64	62	246	664	1,579	3,295
Plasma TV	(NA)	(NA)	(NA)	116	515	1,590	2,347	4,012
TV Combinations	178	723	1,292	790	733	778	867	1,569
Videocassette players	65	59	14	5	4	2	2	(NA)
VCR decks	2,439	2,767	1,869	1,058	826	407	130	71
Camcorders	2,260	2,130	2,838	2,236	2,361	2,002	1,651	1,466
Direct-to-home satellite	421	1,265	790	1,175	1,116	1,476	1,886	1,358
Personal video recorders	(NA)	(NA)	77	144	57	178	460	718
Digital versatile disc players (DVD)	(NA)	(NA)	1,717	2,097	2,427	3,050	2,183	1,679
Home and portable products, total <sup>1</sup>	5,210	6,378	6,323	5,726	5,111	4,779	5,671	7,266
Compact audio systems	1,270	1,162	1,776	1,357	965	731	900	627
Separate audio components	1,935	1,911	1,545	1,261	1,202	981	1,325	1,211
Home radios	360	284	351	326	300	318	232	207
Portable audio equipment	1,645	2,506	2,156	1,846	1,526	1,355	992	772
Portable MP3 players	(NA)	(NA)	80	100	205	424	1,289	3,754
Mobile electronics, total <sup>1</sup>	5,733	11,422	17,071	16,799	16,189	17,184	18,984	22,367
Aftermarket autosound equipment	1,192	1,931	2,169	2,098	2,211	2,090	2,124	2,230
Mobile video and navigation	(NA)	(NA)	386	436	586	580	782	951
Factory installed autosound	3,100	3,100	2,700	2,850	2,950	3,245	3,569	3,855
Wireless (cellular) telephones	1,133	2,574	8,995	8,651	8,106	9,163	10,538	13,585
Pagers	118	300	750	790	810	729	675	525
Family Radio Services (FRS)	(NA)	(NA)	418	461	251	235	201	168
Vehicle security	190	142	218	266	265	260	255	253
PDAs	(NA)	(NA)	1,265	1,077	875	759	720	680
Home office products, total <sup>1</sup>	11,021	24,140	36,854	34,924	33,505	38,282	41,770	45,032
Cordless telephones	842	1,141	1,562	1,960	1,261	1,268	1,134	1,017
Corded telephones	638	557	386	294	266	256	259	261
Telephone answering devices	827	1,077	984	1,062	1,060	1,210	1,247	1,426
Caller ID devices	(NA)	(NA)	54	35	20	12	13	9
Home computers	4,187	12,600	16,400	12,960	12,609	15,584	18,233	18,215
Computer printers	(NA)	2,430	5,116	5,245	4,829	4,734	4,053	3,858
Modems/fax modems	(NA)	770	1,564	1,564	1,445	1,419	1,465	1,525
Computer peripherals	1,980	816	1,950	2,150	2,256	2,707	3,032	3,575
Computer software (incl. CDROM)	971	2,500	4,480	5,062	4,961	5,060	5,162	5,250
Home fax machines	920	919	386	349	297	242	186	128
Digital cameras	(NA)	(NA)	1,825	1,972	2,794	3,921	4,739	7,468
Electronic gaming, total	3,375	4,500	8,550	9,689	10,848	10,253	10,512	11,635
Electronic gaming hardware	975	1,500	2,700	3,250	3,750	3,188	3,162	3,594
Electronic gaming software	2,400	3,000	5,850	6,439	7,098	7,065	7,350	8,041
Blank media, total	1,638	1,415	2,169	2,679	3,210	3,750	5,458	6,373
Blank audio cassettes	376	334	162	129	98	77	65	57
Blank videocassettes	948	708	351	357	602	527	450	422
Blank computer media	314	373	1,200	1,550	1,600	1,800	1,841	2,294
Flash media	(NA)	(NA)	456	643	910	1,346	3,102	3,600
Accessories and batteries, total	2,176	3,544	6,299	5,968	6,460	7,041	7,545	8,435
Electronic accessories	793	944	1,356	1,378	1,500	1,635	1,815	2,175
Batteries	1,383	2,600	4,943	4,590	4,960	5,406	5,730	6,260
Home security systems	1,440	1,130	1,750	1,820	1,965	2,055	2,150	2,250

NA Not available. <sup>1</sup> Includes categories, not shown separately.

Source: Consumer Electronics Association, Washington, DC, *Electronic Market Data Book*, annual (copyright).

**Table 1005. Communication Equipment—Value of Shipments: 1990 to 2004**

[In millions of dollars (36,990 represents \$36,990,000,000)]

Product description	NAICS code <sup>1</sup>	1990	2000	2001	2002	2003	2004
		36,990	104,389	93,803	62,212	56,587	61,672
<b>Total</b>	<b>(X)</b>	<b>36,990</b>	<b>104,389</b>	<b>93,803</b>	<b>62,212</b>	<b>56,587</b>	<b>61,672</b>
Telephone switching and switchboard equipment	3342101	7,537	15,174	12,188	7,437	4,900	6,161
Carrier line equipment and modems	3342104	5,014	13,112	10,943	4,488	3,045	3,227
Other telephone and telegraph equipment and components	3342107	3,181	28,971	22,841	13,886	12,272	12,139
Communication systems and equipment (except broadcast)	3342201	14,768	36,357	36,501	25,104	25,805	28,535
Broadcast, studio, and related electronic equipment	3342202	1,856	4,029	3,491	3,304	2,932	2,898
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346	447	451	385	428	462
Alarm systems	3342901	1,027	2,755	2,374	2,440	2,258	2,370
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	471	838	806	928	945	910
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,209	782	1,172	1,168	1,223	1,460
Laser sources	3359997	(NA)	(S)	1,051	929	833	983
Ultrasonic equipment	335999A	109	272	233	174	196	255
Other electronic systems and equipment, n.e.c.	335999F	1,473	1,652	1,752	1,971	1,760	2,273

NA Not available. S Does not meet publication standards. <sup>1</sup> North American Industry Classification System; see text, Section 15. <sup>2</sup> Beginning in 1995, data for laser equipment, instrumentation, and components were eliminated from this survey. Only laser sources are being collected.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334P. See also <<http://www.census.gov/industry/1/ma334p04.pdf>> (released August 2005).

**Table 1006. Motor Vehicle Manufactures—Summary by Selected Industry: 2004**

[51,123 represents \$51,123,000,000. Based on the Annual Survey of Manufactures; see Appendix III]

Industry	2002 NAICS code <sup>1</sup>	All employees <sup>2</sup>			Production workers <sup>2</sup>	Value of shipments <sup>3</sup> (mil. dol.)
		Number	Payroll			
			Total (mil. dol.)	Per employee (dol.)		
<b>Motor vehicle manufacturing, total. . . . .</b>	<b>3361-3363</b>	<b>1,016,713</b>	<b>51,123</b>	<b>50,283</b>	<b>803,098</b>	<b>494,623</b>
Motor vehicle, total. . . . .	3361	215,974	14,906	69,017	189,101	261,716
Automobile & light duty motor vehicle . . . . .	33611	186,912	13,589	72,703	165,854	241,294
Automobile . . . . .	336111	74,305	5,305	71,400	64,074	86,818
Light truck & utility vehicle. . . . .	336112	112,607	8,284	73,563	101,780	154,475
Heavy duty truck. . . . .	33612	29,062	1,317	45,311	23,247	20,422
Motor vehicle body & trailer . . . . .	3362	136,694	4,796	35,084	108,660	29,316
Motor vehicle body & trailer . . . . .	33621	136,694	4,796	35,084	108,660	29,316
Motor vehicle body . . . . .	336211	39,052	1,460	37,383	29,852	8,661
Truck trailer . . . . .	336212	27,133	875	32,249	22,477	5,895
Motor home . . . . .	336213	22,557	828	36,719	18,662	6,357
Travel trailer & camper. . . . .	336214	47,952	1,633	34,048	37,670	8,404
Motor vehicle parts . . . . .	3363	664,045	31,422	47,318	505,337	203,591
Motor vehicle gasoline engine & engine parts. . . . .	33631	81,082	4,501	55,508	63,348	36,258
Motor vehicle electrical and electronic equipment . . . . .	33632	77,496	3,320	42,844	55,861	22,275
Motor vehicle steering and suspension . . . . .	33633	38,856	1,918	49,364	30,904	10,982
Motor vehicle brake system . . . . .	33634	39,727	1,587	39,958	31,463	13,494
Motor vehicle transmission & power train parts. . . . .	33635	89,183	5,864	65,751	72,192	35,240
Motor vehicle seating & interior trim . . . . .	33636	49,968	2,029	40,599	36,854	16,104
Motor vehicle metal stamping . . . . .	33637	107,521	5,930	55,157	88,877	26,451
Other motor vehicle parts . . . . .	33639	160,212	6,272	39,149	125,939	42,786

<sup>1</sup> North American Industry Classification System, 2002; see text, Section 15. <sup>2</sup> Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. <sup>3</sup> Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March and May. <sup>4</sup> Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M03(AS)-1. See also <<http://www.census.gov/MCD/ASM-AS1.html>>.

**Table 1007. Motor Vehicle Manufactures—Employees, Payroll, and Shipments by Major State: 2003**

[14,314 represents \$14,314,000,000. Industry based on the North American Industry Classification System (NAICS), 2002; see text, Section 15]

Major state based on employment	Motor vehicle manufacturing (NAICS 3361)			Motor vehicle body and trailer manufacturing (NAICS 3362)			Motor vehicle parts manufacturing (NAICS 3363)		
	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)	Employees, total	Payroll (mil. dol.)	Shipments (mil. dol.)
<b>United States . . . . .</b>	<b>211,423</b>	<b>14,314</b>	<b>259,588</b>	<b>127,157</b>	<b>4,325</b>	<b>25,868</b>	<b>670,428</b>	<b>31,398</b>	<b>200,681</b>
Alabama . . . . .	5,231	317	5,820	3,221	105	721	11,111	538	3,621
Arkansas . . . . .	(1)	(D)	(D)	1,353	34	227	6,603	192	1,000
California . . . . .	6,877	475	7,068	10,116	296	1,811	26,337	942	4,903
Florida . . . . .	(NA)	(NA)	(NA)	3,300	116	604	5,640	171	892
Georgia . . . . .	6,649	402	7,378	3,054	95	661	9,960	367	2,173
Illinois . . . . .	7,580	407	6,540	2,837	100	533	26,511	1,066	6,218
Indiana . . . . .	12,575	784	20,165	31,254	1,209	7,864	78,215	3,980	23,449
Iowa . . . . .	(NA)	(NA)	(NA)	7,855	262	1,455	6,342	238	1,511
Kansas . . . . .	(1)	(D)	(D)	2,680	82	448	2,982	105	662
Kentucky . . . . .	17,825	1,322	22,992	(NA)	(NA)	(NA)	26,253	1,003	8,222
Michigan . . . . .	43,782	3,322	62,323	2,217	81	428	164,474	9,247	55,281
Minnesota . . . . .	2,333	155	2,401	2,833	100	773	3,585	133	629
Mississippi . . . . .	(5)	(D)	(D)	(3)	(D)	(D)	5,940	201	1,224
Missouri . . . . .	17,014	1,256	22,172	(1)	(D)	(D)	13,118	508	3,486
New York . . . . .	(NA)	(NA)	(NA)	1,382	46	253	27,280	1,594	8,994
North Carolina . . . . .	4,405	173	3,092	2,784	114	883	18,223	672	5,817
Ohio . . . . .	27,210	1,925	34,278	4,155	131	702	95,587	4,888	30,391
Oklahoma . . . . .	(5)	(D)	(D)	(2)	(D)	(D)	5,590	181	1,189
Oregon . . . . .	1,202	45	319	6,257	194	1,264	1,374	60	2,816
Pennsylvania . . . . .	(NA)	(NA)	(NA)	(4)	(D)	(D)	12,961	488	6,683
South Carolina . . . . .	(3)	(NA)	(NA)	(1)	(D)	(D)	16,920	673	5,781
Tennessee . . . . .	(5)	(D)	(D)	2,458	69	415	32,415	1,165	11,530
Texas . . . . .	5,683	352	11,797	6,302	211	1,048	13,777	516	3,722
Virginia . . . . .	(2)	(D)	(D)	1,526	41	255	6,231	247	1,796
Wisconsin . . . . .	(4)	(D)	(D)	(7)	(D)	(D)	17,383	827	5,184

NA Not available. D Withheld to avoid disclosing data on individual companies. <sup>1</sup> Employee size class of 1,000 to 2,499 employees. <sup>2</sup> Employee size class of 2,500 to 4,999 employees. <sup>3</sup> Employee size class of 950 to 999 employees. <sup>4</sup> Employee size class of 5,000 to 9,999 employees. <sup>5</sup> Employee size class of 10,000 to 24,999 employees.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M01(AS)-3. See also <<http://www.census.gov/MCD/ASM-AS3.html>>.



**Table 1008. Aerospace—Sales, New Orders, and Backlog: 1990 to 2005**

[In billions of dollars (136.6 represents \$136,600,000,000), except as indicated. Reported by establishments in which the principal business is the development and/or production of aerospace products]

Item	1990	2000	2001	2002	2003	2004	2005
<b>Net sales</b> . . . . .	<b>136.6</b>	<b>109.3</b>	<b>117.1</b>	<b>115.2</b>	<b>116.2</b>	<b>116.4</b>	<b>125.2</b>
Percent U.S. government . . . . .	53.8	37.5	38.6	46.1	52.9	52.9	52.0
Complete aircraft and parts <sup>1</sup> . . . . .	49.9	57.2	58.7	53.9	49.0	49.6	49.6
Aircraft engines and parts . . . . .	16.4	12.5	15.9	14.8	13.9	13.8	16.1
Missiles and space vehicles, parts . . . . .	22.0	15.6	15.5	15.6	16.0	15.6	14.4
Other products, services . . . . .	48.3	24.0	26.9	30.9	37.3	37.4	45.2
Net, new orders . . . . .	146.0	140.1	122.3	114.8	116.7	117.7	132.6
Backlog, Dec. 31 . . . . .	250.1	215.0	220.1	222.5	222.9	226.9	234.3

<sup>1</sup> Except engines sold separately.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series M37G; thereafter M336G. See also <<http://www.census.gov/industry/1/m336g0413.pdf>> (released August 2005).

**Table 1009. Net Orders for U.S. Civil Jet Transport Aircraft: 1990 to 2005**

[1990 data are net new firm orders; beginning 1995, net announced orders. Minus sign (-) indicates net cancellations. In 1997, Boeing acquired McDonnell Douglas]

Type of aircraft and customer	1990	1995	2000	2001	2002	2003	2004	2005
<b>Total number</b> <sup>1</sup> . . . . .	<b>670</b>	<b>421</b>	<b>585</b>	<b>271</b>	<b>174</b>	<b>237</b>	<b>267</b>	<b>1,004</b>
U.S. customers . . . . .	259	138	412	49	89	84	23	220
Foreign customers . . . . .	411	283	193	130	172	185	204	811
Boeing 737, total . . . . .	189	189	378	184	117	204	142	571
U.S. customers . . . . .	38	85	302	51	64	74	16	152
Foreign customers . . . . .	151	104	86	73	127	145	92	439
Boeing 747, total . . . . .	153	35	24	16	17	4	10	43
U.S. customers . . . . .	24	2	1	7	-	-	1	13
Foreign customers . . . . .	129	33	18	13	13	9	10	30
Boeing 757, total . . . . .	66	-7	43	23	-	-1	-	-
U.S. customers . . . . .	33	-6	38	15	2	-7	-	-
Foreign customers . . . . .	33	-1	14	6	-	6	-	-
Boeing 767, total . . . . .	60	26	6	32	-2	10	9	15
U.S. customers . . . . .	23	4	-2	-1	1	-	-	-
Foreign customers . . . . .	37	22	14	9	12	15	1	20
Boeing 777, total . . . . .	34	83	113	30	26	12	42	154
U.S. customers . . . . .	34	-	60	-	-1	11	-	10
Foreign customers . . . . .	-	83	53	20	27	8	43	146
Boeing 787, total . . . . .	-	-	-	-	-	-	-	235
U.S. customers . . . . .	-	-	-	-	-	-	-	45
Foreign customers . . . . .	-	-	-	-	-	-	56	190
Unidentified . . . . .	-	-	-	-	-	-	-	-
McDonnell Douglas MD-11, total . . . . .	52	-6	-	-	-	-	-	-
U.S. customers . . . . .	16	3	-	-	-	-	-	-
Foreign customers . . . . .	36	-9	-	-	-	-	-	-
McDonnell Douglas MD-80/90, total . . . . .	116	51	-	-	-	-	-	-
U.S. customers . . . . .	91	-	-	-	-	-	-	-
Foreign customers . . . . .	25	51	-	-	-	-	-	-
McDonnell Douglas MD-95, total . . . . .	-	50	21	-14	16	8	8	-14
U.S. customers . . . . .	-	50	13	-23	23	6	6	-
Foreign customers . . . . .	-	-	8	9	-7	2	2	-14

- Represents zero. <sup>1</sup> Includes types of aircraft not shown separately. Beginning 1999, includes unidentified customers.

Source: Aerospace Industries Association of America, Washington, DC, Research Center, Statistical Series 23, Internet site at <<http://www.aia-aerospace.org/stats/aerostats/aerostats.cfm>>.

**Table 1010. U.S. Aircraft Shipments, 1990 to 2004, and Projections, 2005**

[Value in millions of dollars (64,567 represents \$64,567,000,000)]

Year	Total		Civil				Military			
	Units	Value	Large transports		General aviation <sup>1</sup>		Helicopters			
			Units	Value	Units	Value	Units	Value		
1990 . . . . .	3,321	64,567	521	22,215	1,144	2,007	603	254	1,053	40,091
1991 . . . . .	3,092	67,510	589	26,856	1,021	1,968	571	211	911	38,475
1992 . . . . .	2,585	64,740	567	28,750	941	1,840	324	142	753	34,008
1993 . . . . .	2,585	59,103	408	24,133	964	2,144	258	113	955	32,713
1994 . . . . .	2,309	52,718	309	18,124	928	2,357	308	185	764	32,052
1995 . . . . .	2,436	49,381	256	15,263	1,077	2,842	292	194	811	31,082
1996 . . . . .	2,220	55,583	269	18,915	1,115	3,048	278	193	558	33,427
1997 . . . . .	2,757	65,129	374	26,929	1,549	4,593	346	231	488	33,376
1998 . . . . .	3,533	75,724	559	35,663	2,193	5,534	363	252	418	34,275
1999 . . . . .	3,799	80,974	620	38,171	2,475	6,803	345	200	359	35,800
2000 . . . . .	4,113	72,669	485	30,327	2,802	8,040	493	270	333	34,032
2001 . . . . .	3,902	77,608	526	34,155	2,616	7,991	415	247	345	35,215
2002 . . . . .	3,251	73,112	379	27,547	2,196	7,261	318	157	358	38,147
2003 . . . . .	3,221	68,006	281	21,033	2,080	6,205	517	366	343	40,402
2004 . . . . .	3,804	74,526	283	20,484	2,296	6,918	805	515	420	46,609
2005 . . . . .	4,518	81,498	290	22,116	2,853	8,632	925	750	450	50,000

<sup>1</sup> Excludes off-the-shelf military aircraft.

Source: U.S. Department of Commerce, International Trade Administration, Internet site <<http://www.ita.doc.gov/td/aerospace/inform/>>.

**Table 1011. Aerospace Industry Sales by Product Group and Customer: 1990 to 2006**

[In billions of dollars (134.4 represents \$134,400,000,000). Due to reporting practices and tabulating methods, figures may differ from those in Table 1008]

Product group and customer	1990	1995	2000	2001	2002	2003	2004	2005 <sup>1</sup>	2006 <sup>2</sup>
<b>CURRENT DOLLARS</b>									
<b>Total sales</b> . . . . .	<b>134.4</b>	<b>107.8</b>	<b>144.7</b>	<b>151.6</b>	<b>152.3</b>	<b>146.6</b>	<b>155.7</b>	<b>170.1</b>	<b>184.0</b>
Product group:									
Aircraft, total . . . . .	71.4	55.0	81.6	86.5	79.5	72.8	79.1	89.1	100.4
Civil <sup>4</sup> . . . . .	31.3	24.0	47.6	51.3	41.3	32.4	32.5	39.2	49.5
Military . . . . .	40.1	31.1	34.0	35.2	38.1	40.4	46.6	50.0	50.8
Missiles . . . . .	14.2	7.4	9.3	10.4	12.8	3.5	14.7	15.3	14.4
Space . . . . .	26.4	27.4	29.7	29.5	34.6	35.9	35.9	37.3	38.5
Related products and services <sup>5</sup> . . . . .	22.4	18.0	24.1	25.3	25.4	24.4	26.0	28.3	30.7
Customer group:									
Aerospace, total . . . . .	112.0	89.8	120.6	126.4	127.0	122.2	129.8	141.7	153.3
DOD <sup>6</sup> . . . . .	60.5	42.4	47.5	50.1	57.7	64.0	70.1	74.3	74.9
NASA <sup>7</sup> and other agencies . . . . .	11.1	11.4	13.4	14.5	16.4	15.5	16.0	17.4	17.8
Other customers <sup>8</sup> . . . . .	40.4	36.0	59.7	61.8	52.9	42.7	43.8	50.1	60.6
Related products and services <sup>5</sup> . . . . .	22.4	18.0	24.1	25.3	25.4	24.4	26.0	28.3	30.7
<b>CONSTANT (1987) DOLLARS <sup>3</sup></b>									
<b>Total sales</b> . . . . .	<b>123.5</b>	<b>86.1</b>	<b>108.2</b>	<b>110.6</b>	<b>109.4</b>	<b>102.3</b>	<b>105.1</b>	<b>110.4</b>	<b>114.8</b>
Product group:									
Aircraft, total . . . . .	65.6	44.0	61.0	63.1	57.1	50.8	53.4	57.8	62.6
Civil <sup>4</sup> . . . . .	28.7	19.1	35.6	37.4	29.7	22.6	22.0	25.4	30.9
Military . . . . .	36.8	24.8	25.4	25.7	27.4	28.2	31.5	32.4	31.7
Missiles . . . . .	31.0	5.9	6.9	7.6	9.2	9.4	9.9	9.9	9.0
Space . . . . .	24.3	21.9	22.2	21.5	24.9	25.0	24.3	24.2	24.0
Related products and services <sup>5</sup> . . . . .	20.6	14.3	18.0	18.4	18.2	17.1	17.5	18.4	19.1
Customer group:									
Aerospace, total . . . . .	102.9	71.7	90.1	92.2	91.2	85.3	87.6	92.0	95.7
DOD <sup>6</sup> . . . . .	55.6	33.9	35.5	36.6	41.5	44.7	47.3	48.2	46.7
NASA <sup>7</sup> and other agencies . . . . .	10.2	9.1	10.0	10.6	11.8	10.8	10.8	11.3	11.1
Other customers <sup>8</sup> . . . . .	37.1	28.8	44.6	45.0	38.0	29.8	29.5	32.5	37.8
Related products and services <sup>5</sup> . . . . .	20.6	14.3	18.0	18.4	18.2	17.1	17.5	18.4	19.1

<sup>1</sup> Preliminary. <sup>2</sup> Estimate. <sup>3</sup> Based on AIA's aerospace composite price deflator. <sup>4</sup> All civil sales of aircraft (domestic and export sales of jet transports, commuters, business, and personal aircraft and helicopters). <sup>5</sup> Electronics, software, and ground support equipment, plus sales of nonaerospace products which are produced by aerospace-manufacturing use technology, processes, and materials derived from aerospace products. <sup>6</sup> Department of Defense. <sup>7</sup> National Aeronautics and Space Administration. <sup>8</sup> Includes civil aircraft sales (see footnote 4), commercial space sales, all exports of military aircraft and missiles, and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, 2005 Year-end Review and Forecast; and Internet site <<http://www.aia-aerospace.org>>.

**Table 1012. Major Household Appliances—Value of Shipments: 1990 to 2005**

[In millions of dollars (11,670.0 represents \$11,670,000,000). For North American Industry Classification System (NAICS) 2000 based codes]

Product	2000 NAICS code	1990	2000	2001	2002	2003	2004	2005
		<b>Total</b> . . . . .	<b>33522</b>	<b>11,670.0</b>	<b>17,125.2</b>	<b>16,710.6</b>	<b>16,835.8</b>	<b>18,119.3</b>
Electric household ranges, ovens, and surface cooking units, equipment, and parts . . . . .	3352211	1,659.8	2,170.3	2,004.5	1,823.5	2,176.1	2,284.7	2,554.7
Gas household ranges, ovens, and surface cooking units, equipment, and parts . . . . .	3352213	739.4	779.1	902.0	929.4	1,017.9	1,119.8	1,390.2
Other household ranges, cooking equipment, outdoor cooking equipment incl. parts and accessories . . . . .	3352215	581.1	1,251.1	1,027.0	1,050.8	966.7	913.6	964.0
Household refrigerators <sup>1,2</sup> . . . . .	3352221	3,208.1	5,395.8	5,227.1	5,080.3	4,993.3	5,001.5	5,404.9
Food freezers, complete units, for freezing and/or storing frozen food—(household type) <sup>2</sup> . . . . .	3352222	226.6	(D)	(D)	(D)	(D)	(D)	(D)
Parts and attachments for household refrigerators and freezers . . . . .	3352223	134.0	(D)	(D)	(D)	(D)	(D)	(D)
Household laundry machines and parts . . . . .	3352240	2,924.5	4,046.6	4,162.0	4,446.5	4,769.5	5,129.6	5,236.3
Water heaters, electric . . . . .	3352281	433.8	572.7	555.7	576.0	569.5	545.3	638.4
Water heaters, except electric . . . . .	3352283	577.2	843.6	799.3	842.0	985.6	884.1	973.8
Household appliances, n.e.c. and parts <sup>3</sup> . . . . .	3352285	1,185.5	2,066.1	2,033.1	2,008.9	2,055.9	2,296.8	2,480.7

D Withheld to avoid disclosing data for individual companies. <sup>1</sup> Includes combination refrigerator-freezers. <sup>2</sup> Product code 33522210000 and 33522220000 are combined to avoid disclosing data for individual companies. <sup>3</sup> n.e.c. = not elsewhere classified.

Source: U.S. Census Bureau, 1990, Current Industrial Reports, Series MA36F; thereafter Series MA335F. See also <<http://www.census.gov/industry/1/ma335f05.pdf>> (released July 2006).