

MANUFACTURES.

No. 54.—MANUFACTURES: GROSS AND NET VALUES OF PRODUCTS,^a CENSUS YEARS 1900 AND 1905, BY INDUSTRY GROUPS.

[From reports of the Bureau of the Census, Department of Commerce and Labor.]

Group.	1900 ^b				1905			
	Gross.		Net.		Gross.		Net.	
	Value.	Rank.	Value.	Rank.	Value.	Rank.	Value.	Rank.
Food and kindred products.....	Dollars.		Dollars.		Dollars.		Dollars.	
Textiles.....	2,275,880,874	1	1,750,811,817	1	2,845,234,900	1	2,176,489,626	1
Iron and steel and their products.....	1,637,484,484	3	1,081,901,248	2	2,147,441,418	3	1,397,009,940	2
Lumber and its remanufactures.....	1,703,490,908	2	983,821,918	3	2,176,739,726	2	1,239,480,273	3
Leather and its finished products.....	1,030,965,350	5	547,227,860	6	1,223,730,336	4	895,315,333	4
Paper and printing.....	689,731,046	9	329,614,996	11	705,747,470	9	401,011,414	10
Liquors and beverages.....	606,317,768	8	419,798,101	7	857,112,256	8	596,872,350	7
Chemicals and allied products.....	425,504,167	12	349,157,618	10	501,266,005	11	431,735,298	9
Clay, glass, and stone products.....	552,797,877	10	372,538,857	8	1,031,965,263	5	714,489,549	5
Metals and metal products, other than iron and steel.....	293,564,235	13	245,447,118	14	391,230,422	12	334,971,057	11
Tobacco.....	748,786,464	7	371,154,446	9	922,262,456	7	442,912,699	8
Vehicles for land transportation.....	283,076,546	14	294,052,573	12	331,117,681	13	307,100,175	13
Shipbuilding.....	508,324,510	11	250,622,377	13	643,924,442	10	324,109,901	12
Miscellaneous industries.....	74,578,158	15	42,492,518	15	82,769,239	14	46,707,258	14
Hand trades.....	1,004,692,294	6	638,191,538	5	941,604,873	6	692,990,604	6
	1,183,015,478	4	721,104,859	4	(^c)	(^c)	(^c)	(^c)
Total.....	13,000,149,159	8,367,967,844	14,802,147,087	9,321,205,387

^a The gross value of manufactures as reported by the Census contains many duplications because the finished products of some factories frequently become the material for other factories. In this way not only one but several duplications of the cost of materials often occur. The net value of productions eliminates these duplications by deducting from the gross value all the values which have undergone any process of manufacture covered by the census reports on manufactures.

^b The figures of production for 1900 differ from those shown in other portions of this volume for that year by reason of the fact that they exclude 10 lumber establishments reported for Alaska with products valued at \$4,250,984.

^c "Hand trades" not included in the census of 1905.

Source: Statistical Abstract of the United States: 1908 Edition.

Section 21

Manufactures

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 986–988 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 995), American Iron and Steel Institute (Tables 996 and 997), Consumer Electronics Association (Table 1003), and the Aerospace Industries Association (Tables 1008 and 1010). Machine

tool consumption data (Table 999) 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 new 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 2003 annual survey is based on a sample of about 57,000 from a universe of 366,000 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 57,000 establishments included in the ASM panel, approximately

17,000 are selected with certainty. These establishments account for approximately 62 percent of total value of shipments in the 2002 census. 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 is 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.

Table 970. Gross Domestic Product in Manufacturing in Current and Real (2000) Dollars by Industry: 1998 to 2004

[In billions of dollars (8,747.0 represents \$8,747,000,000,000), except as indicated. Data are based on the 1997 NAICS. 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	1998	1999	2000	2001	2002	2003	2004
CURRENT DOLLARS							
Gross domestic product, total ¹	8,747.0	9,268.4	9,817.0	10,128.0	10,487.0	11,004.0	11,735.0
Manufacturing, total	1,343.9	1,373.1	1,426.2	1,341.3	1,347.2	1,402.3	1,494.0
Percent of total	15.36	14.81	14.53	13.24	12.85	12.74	12.73
Durable goods	806.9	820.4	865.3	778.9	771.9	798.0	862.6
Wood products	29.4	31.9	31.4	31.3	30.0	32.0	(NA)
Nonmetallic mineral products	42.3	45.1	45.7	44.9	43.3	43.3	(NA)
Primary metals	49.4	47.3	48.2	41.1	41.6	38.9	(NA)
Fabricated metal products	112.7	116.4	121.7	112.0	109.4	112.2	(NA)
Machinery	111.5	105.6	109.3	103.2	97.6	96.4	(NA)
Computer and electronic products	165.7	162.8	185.6	136.9	130.5	147.6	(NA)
Electrical equipment, appliances, and components	44.7	48.2	50.6	49.2	46.1	47.3	(NA)
Motor vehicles, bodies and trailers, and parts	108.8	115.4	118.1	103.7	114.1	121.9	(NA)
Other transportation equipment	63.3	64.3	64.4	69.2	70.0	67.6	(NA)
Furniture and related products	29.1	31.0	32.7	30.2	30.0	28.9	(NA)
Miscellaneous manufacturing	49.9	52.5	57.5	57.2	59.4	62.0	(NA)
Nondurable goods	537.0	552.7	561.0	562.5	575.3	604.4	631.4
Food and beverage and tobacco products	137.5	153.6	154.8	167.1	172.5	173.3	(NA)
Textile mills and textile product mills	27.1	26.4	26.5	22.7	22.3	21.7	(NA)
Apparel and leather and allied products	26.0	24.7	25.1	22.8	24.7	25.0	(NA)
Paper products	52.2	54.2	55.6	48.9	50.8	51.5	(NA)
Printing and related support activities	46.5	48.2	49.0	46.9	46.0	45.2	(NA)
Petroleum and coal products	30.6	22.4	26.2	33.4	25.7	38.2	(NA)
Chemical products	153.4	157.1	157.1	157.2	167.0	181.5	(NA)
Plastics and rubber products	63.6	66.1	66.7	63.4	66.2	68.0	(NA)
CHAINED (2000) DOLLARS							
Gross domestic product, total ¹	9,066.9	9,470.3	9,817.0	9,890.6	10,074.8	10,381.4	10,841.9
Manufacturing, total	1,286.2	1,342.1	1,426.2	1,346.9	1,378.2	1,440.0	1,501.3
Percent of total	14.19	14.17	14.53	13.62	13.68	13.87	13.85
Durable goods	729.9	775.5	865.3	813.6	824.2	874.5	925.7
Wood products	29.9	30.4	31.4	30.9	29.9	29.9	(NA)
Nonmetallic mineral products	44.1	45.1	45.7	45.2	42.8	43.4	(NA)
Primary metals	45.9	48.1	48.2	43.2	43.6	41.9	(NA)
Fabricated metal products	114.4	114.9	121.7	109.4	106.3	109.9	(NA)
Machinery	113.8	105.0	109.3	100.4	94.5	93.7	(NA)
Computer and electronic products	96.3	125.4	185.6	181.9	195.3	250.9	(NA)
Electrical equipment, appliances, and components	44.6	48.0	50.6	48.5	46.4	48.9	(NA)
Motor vehicles, bodies and trailers, and parts	111.8	114.6	118.1	104.6	120.3	131.0	(NA)
Other transportation equipment	68.3	67.4	64.4	65.2	64.5	60.1	(NA)
Furniture and related products	30.2	31.5	32.7	29.1	28.2	27.2	(NA)
Miscellaneous manufacturing	50.4	52.1	57.5	55.3	55.9	57.8	(NA)
Nondurable goods	559.6	568.2	561.0	533.1	553.0	566.2	578.4
Food and beverage and tobacco products	153.1	155.1	154.8	156.0	153.0	154.6	(NA)
Textile mills and textile product mills	26.3	25.6	26.5	21.5	21.7	21.9	(NA)
Apparel and leather and allied products	26.4	24.4	25.1	22.7	25.0	25.5	(NA)
Paper products	60.0	61.0	55.6	48.8	51.3	53.6	(NA)
Printing and related support activities	47.7	48.5	49.0	45.3	44.2	43.2	(NA)
Petroleum and coal products	36.5	33.5	26.2	23.9	31.5	28.1	(NA)
Chemical products	149.8	157.1	157.1	153.1	163.3	174.0	(NA)
Plastics and rubber products	62.4	64.7	66.7	61.4	63.6	66.1	(NA)

NA Not available. ¹ For additional industry detail, see Table 651.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 2005. See also <<http://www.bea.doc.gov/beat/newsrelarchive/2005/gdpind04.pdf>> (released 20 April 2005).

Table 971. Manufacturing—Establishments, Employees, and Annual Payroll by Industry: 2001 and 2002

[(115,061 represents 115,061,000). 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	NAICS code ¹	2001			2002		
		Establishments, number	Employees ² (1,000)	Annual payroll (mil. dol.)	Establishments, number	Employees ² (1,000)	Annual payroll (mil. dol.)
All industries, total	(X)	7,095,302	115,061	3,989,086	7,200,770	112,401	3,943,180
Manufacturing, total	31-33	352,619	15,950	617,699	344,341	14,394	580,356
Percent of all industries	(X)	5.07	13.86	15.48	4.78	12.81	14.72
Food manufacturing	311	26,785	1,470	44,085	25,698	1,444	44,480
Beverage & tobacco product	312	3,212	171	7,258	3,232	163	7,154
Textile mills	313	4,452	308	8,403	4,045	262	7,608
Textile product mills	314	6,966	202	5,059	7,332	190	5,113
Apparel manufacturing	315	16,152	442	9,262	13,359	350	8,152
Leather & allied product	316	1,763	61	1,496	1,549	48	1,269
Wood product	321	17,289	558	15,829	17,052	534	15,922
Paper	322	5,739	533	22,501	5,546	496	21,813
Printing & related support activities	323	37,895	785	27,051	36,902	700	25,062
Petroleum & coal products	324	2,253	104	6,336	2,296	100	6,456
Chemical	325	13,361	870	46,395	13,096	827	46,431
Plastics & rubber products	326	15,981	1,003	32,641	15,462	926	32,036
Nonmetallic mineral product	327	16,732	524	19,350	16,674	475	18,120
Primary metal	331	6,684	573	23,642	6,229	501	21,623
Fabricated metal product	332	60,791	1,761	61,803	61,652	1,582	57,682
Machinery	333	28,922	1,333	64,714	27,941	1,166	50,101
Computer & electronic product	334	16,764	1,593	84,522	15,883	1,300	71,698
Electrical equip, appliance & component	335	6,940	575	20,873	6,601	502	18,849
Transportation equipment	336	12,627	1,753	83,440	12,202	1,579	78,771
Furniture & related product	337	20,593	619	17,434	22,083	575	16,806
Miscellaneous	339	30,718	713	25,605	29,507	665	25,208

X Not applicable. ¹ North American Industry Classification System, 1997; see text, Section 15. ² 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 also <<http://www.census.gov/prod/2004pubs/02cbp/cbp02-1.pdf>> (released November 2004).

Table 972. Manufacturing Establishments, Employees, and Annual Payroll by State: 2002

[14,394 represents 14,394,000] 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]

State	Establishments	Employees ¹ (1,000)	Annual payroll (mil.dol.)	State	Establishments	Employees ¹ (1,000)	Annual payroll (mil.dol.)
United States . . .	344,341	14,394	580,356	Missouri	7,112	308	11,090
Alabama	5,053	283	9,712	Montana	1,201	19	631
Alaska	495	11	364	Nebraska	1,930	102	3,367
Arizona	4,796	168	6,993	Nevada	1,728	39	1,462
Arkansas	3,146	214	6,293	New Hampshire	2,184	87	3,523
California	47,558	1,560	71,082	New Jersey	10,454	347	16,705
Colorado	5,250	149	6,235	New Mexico	1,545	34	1,285
Connecticut	5,280	211	10,338	New York	20,778	625	25,892
Delaware	688	39	1,607	North Carolina	10,548	613	20,398
District of Columbia	144	2	87	North Dakota	689	22	721
Florida	14,880	372	13,880	Ohio	17,189	829	34,319
Georgia	8,636	450	15,650	Oklahoma	3,960	148	5,180
Hawaii	915	13	440	Oregon	5,521	178	7,336
Idaho	1,763	60	2,056	Pennsylvania	16,399	711	27,870
Illinois	16,556	727	30,024	Rhode Island	2,086	90	2,255
Indiana	9,053	552	22,748	South Carolina	4,360	290	10,750
Iowa	3,718	223	8,049	South Dakota	897	37	1,120
Kansas	3,181	179	6,003	Tennessee	6,833	408	14,927
Kentucky	4,166	260	9,951	Texas	21,051	851	34,760
Louisiana	3,427	149	6,433	Utah	3,018	110	3,995
Maine	1,827	65	2,484	Vermont	1,140	44	1,759
Maryland	3,929	145	6,465	Virginia	5,773	313	12,049
Massachusetts	6,686	330	15,856	Washington	7,365	269	11,872
Michigan	14,947	691	31,978	West Virginia	1,454	69	2,574
Minnesota	7,953	336	13,932	Wisconsin	9,771	500	19,342
Mississippi	2,766	183	5,355	Wyoming	542	10	386

¹ 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 also <<http://www.census.gov/prod/2004pubs/02cbp/cbp02-1.pdf>> issued November 2004).

Table 973. Manufactures—Summary by Selected Industry: 2003

[13,875.5 represents 13,875,500. Based on the Annual Survey of Manufactures; see Appendix III]

Industry based on shipments	NAICS code ¹	All employees ²			Production workers ² (1,000)	Value added by manufactures ³ (mil.dol.)	Value of shipments ⁴ (mil. dol.)
		Number (1,000)	Payroll				
			Total (mil. dol.)	Per employee (dol.)			
Manufacturing, total	31-33	13,875.5	565,026	40,721	9,794.5	1,912,124	3,979,917
Food ⁵	311	1,467.4	45,685	31,134	1,121.2	211,697	482,815
Beverage and tobacco product	312	151.3	6,866	45,391	85.8	69,125	106,873
Textile mills	313	247.5	7,167	28,959	210.8	18,531	42,557
Textile product mills	314	169.9	4,596	27,058	135.4	13,480	30,827
Apparel ⁵	315	296.1	6,704	22,644	233.9	20,396	40,624
Wood product ⁵	321	511.4	15,631	30,564	419.6	36,571	91,240
Paper	322	464.3	20,773	44,737	360.6	72,084	149,270
Pulp, paper, and paperboard mills	3221	144.8	8,261	57,048	115.3	35,000	66,651
Printing and related support activities	323	675.4	25,127	37,205	488.1	56,590	92,192
Petroleum and coal products	324	101.4	6,411	63,234	65.8	45,415	237,011
Chemical ⁵	325	829.5	45,082	54,348	480.5	260,288	477,360
Pharmaceutical and medicine	3254	244.8	14,388	58,773	119.9	110,502	148,099
Plastics and rubber products	326	933.9	32,165	34,442	731.6	91,591	176,344
Plastics product	3261	762.7	25,360	33,250	598.0	74,063	142,769
Nonmetallic mineral product ⁵	327	462.5	17,733	38,340	360.5	54,768	96,349
Primary metal ⁵	331	455.5	20,196	44,337	357.4	54,194	136,839
Iron and steel mills and ferroalloy	3311	108.8	5,919	54,383	86.6	17,637	47,230
Fabricated metal product ⁵	332	1,484.1	55,882	37,655	1,107.6	137,232	244,662
Machinery ⁵	333	1,101.1	48,123	43,703	694.9	126,232	253,673
Industrial machinery	3332	144.3	7,270	50,381	73.5	15,156	28,965
Metalworking machinery	3335	174.3	7,950	45,624	120.8	15,437	24,466
Computer and electronic product ⁵	334	1,163.0	63,097	54,255	539.6	203,514	353,665
Computer and peripheral equipment	3341	142.2	8,529	59,959	42.4	30,489	68,768
Communications equipment	3342	163.5	9,249	56,560	62.2	30,557	60,506
Semiconductor and other electronic components	3344	388.7	18,614	47,882	231.2	72,776	113,206
Navigational, measuring, medical, control instruments	3345	406.8	24,306	59,757	161.9	62,283	95,560
Electrical equipment, appliance, and component ⁵	335	453.3	17,266	38,089	320.9	52,298	101,771
Electrical equipment	3353	149.5	5,904	39,502	98.7	16,476	30,611
Transportation equipment ⁵	336	1,580.9	80,994	51,233	1,142.1	258,540	653,489
Motor vehicle	3361	209.5	14,192	67,730	184.1	78,236	259,578
Motor vehicle parts	3363	670.5	31,401	46,834	524.9	84,234	200,491
Aerospace product and parts	3364	374.6	23,101	61,676	188.0	65,389	124,071
Furniture and related product ⁵	337	556.0	16,808	30,229	433.5	43,531	76,621

¹ North American Industry Classification System, 1997; see text, Section 15. ² 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, May, August, and November. ³ 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. ⁴ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. ⁵ Includes industries not shown separately.

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/prod/2005pubs/am0331gs1.pdf>> (issued March 2005).

Table 974. Manufactures—Summary by State: 2003

[13,865.8 represents 13,865,800. 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 ¹			Production workers ¹		Value added by manufactures ²		Value of ship-ments ³ (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.)					
United States	13,865.8	564,771	40,731	9,795	329,730	1,909,616	137,721	3,977,165
Alabama	260.3	9,406	36,130	205	6,434	29,768	114,342	70,048
Alaska	11.4	371	32,647	10	276	1,413	124,424	4,371
Arizona	161.2	7,120	44,159	101	3,367	29,017	179,964	44,900
Arkansas	193.0	6,120	31,717	154	4,379	22,730	117,800	47,560
California	1,523.3	64,840	42,565	978	30,195	197,547	129,682	378,468
Colorado	141.9	6,338	44,650	90	3,161	17,243	121,478	33,775
Connecticut	194.5	9,248	47,547	117	4,478	25,771	132,499	41,587
Delaware	36.5	1,630	44,667	26	965	4,607	126,240	14,445
District of Columbia	1.9	84	43,383	1	18	196	100,722	293
Florida	358.3	13,972	38,994	233	6,919	42,391	118,310	78,900
Georgia	430.8	15,422	35,801	330	10,082	58,683	136,229	125,099
Hawaii	13.6	434	32,022	9	269	1,224	90,275	3,880
Idaho	58.2	2,159	37,087	44	1,434	7,701	132,311	15,788
Illinois	704.7	29,021	41,180	493	16,611	93,534	132,722	190,421
Indiana	536.4	22,484	41,916	408	15,219	80,988	150,981	167,437
Iowa	217.8	8,183	37,567	158	5,148	32,739	150,290	70,323
Kansas	167.7	6,702	39,959	117	3,988	20,429	121,794	50,368
Kentucky	251.7	10,108	40,168	192	6,825	35,562	141,317	89,653
Louisiana	144.8	6,392	44,152	105	4,158	30,605	211,407	94,387
Maine	64.5	2,535	39,312	48	1,682	7,377	114,393	13,925
Maryland	143.8	6,515	45,312	92	3,118	18,490	128,611	35,456
Massachusetts	325.8	14,962	45,929	201	6,864	46,266	142,025	78,023
Michigan	685.4	32,549	47,489	506	21,951	97,552	141,317	223,853
Minnesota	333.4	14,045	42,127	224	7,615	41,451	124,335	82,691
Mississippi	167.6	5,257	31,363	134	3,628	17,169	102,437	39,995
Missouri	306.1	12,405	40,532	226	8,111	43,120	140,887	95,941
Montana	16.6	587	35,412	12	379	1,794	108,273	5,334
Nebraska	100.9	3,388	33,592	78	2,296	11,844	117,426	32,962
Nevada	44.3	1,821	41,116	28	947	5,040	113,829	9,103
New Hampshire	83.7	3,563	42,549	54	1,730	8,909	106,398	16,205
New Jersey	345.2	15,386	44,569	226	7,902	51,979	150,570	96,325
New Mexico	29.9	1,169	39,087	22	723	6,150	205,683	10,670
New York	592.1	24,434	41,269	398	13,169	80,199	135,453	142,252
North Carolina	569.4	19,792	34,761	434	12,590	89,017	156,340	157,359
North Dakota	21.2	721	34,006	16	469	2,520	118,813	6,419
Ohio	811.2	34,337	42,330	596	22,446	109,282	134,723	240,066
Oklahoma	138.6	5,158	37,223	102	3,314	17,686	127,619	41,345
Oregon	176.1	6,984	39,653	125	4,205	25,109	142,575	44,512
Pennsylvania	675.6	26,880	39,787	479	16,125	93,777	138,805	183,721
Rhode Island	60.4	2,296	38,020	41	1,211	6,039	100,007	10,653
South Carolina	279.3	10,412	37,275	212	6,756	39,228	140,438	84,526
South Dakota	36.0	1,138	31,639	27	769	3,776	105,013	10,356
Tennessee	384.7	14,345	37,286	291	9,259	51,130	132,902	113,789
Texas	806.8	33,636	41,690	558	18,647	123,846	153,503	326,718
Utah	105.8	3,980	37,608	71	2,162	12,720	120,177	25,624
Vermont	41.5	1,716	41,309	28	936	4,972	119,669	9,469
Virginia	295.9	11,530	38,973	218	7,221	46,849	158,349	82,760
Washington	258.6	10,930	42,266	165	5,535	38,896	150,404	79,891
West Virginia	64.6	2,613	40,435	49	1,720	8,205	126,972	19,463
Wisconsin	481.9	19,239	39,925	352	12,021	65,355	135,630	131,134
Wyoming	11.1	416	37,552	9	301	1,722	155,466	4,924

¹ 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. ² 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. ³ 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 M03(AS)-3. See also <<http://www.census.gov/prod/2005pubs/m03as-3.pdf>> (issued May 2005).

Table 975. Manufacturing Industries—Export-Related Shipments and Employment by Industry: 2001

[(3,970,499.8 represents \$3,970,499,800,000) 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	NAICS code ¹	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
Manufacturing, total	31-33	3,970,499.8	806,189.2	15,879.5	3,251.7	20.3	20.5
Food manufacturing	311	451,385.9	31,806.1	1,504.7	90.5	7.0	6.0
Beverage and tobacco products	312	118,785.6	4,354.7	177.5	4.9	3.7	2.8
Textile mills	313	45,680.7	12,667.7	293.9	85.6	27.7	29.1
Textile products	314	31,970.6	2,547.7	209.7	18.9	8.0	9.0
Apparel	315	54,598.3	6,570.3	456.5	57.7	12.0	12.6
Leather and allied products	316	8,834.4	2,519.9	61.7	14.7	28.5	23.8
Wood products	321	87,250.0	6,727.9	555.9	41.1	7.7	7.4
Paper	322	155,846.0	27,284.1	530.2	90.2	17.5	17.0
Printing and related support activities	323	100,792.2	10,677.3	799.2	86.1	10.6	10.8
Petroleum and coal products	324	219,074.8	17,502.0	101.5	8.5	8.0	8.4
Chemicals	325	438,410.2	109,148.4	875.0	225.1	24.9	25.7
Plastics and rubber products	326	170,716.8	29,377.3	1,028.1	178.6	17.2	17.4
Nonmetallic mineral products	327	94,860.6	11,449.2	507.3	63.8	12.1	12.6
Primary metals	331	138,245.4	56,706.4	532.8	209.8	41.0	39.4
Fabricated metal products	332	253,113.4	53,257.4	1,724.7	383.8	21.0	22.3
Machinery	333	266,552.9	75,829.6	1,314.7	372.5	28.4	28.3
Computers and electronic products	334	429,470.8	155,184.4	1,598.8	610.4	36.1	38.2
Electrical equipment, appliances, and components	335	114,067.0	28,855.7	556.6	146.8	25.3	26.4
Transportation equipment	336	602,495.9	141,758.6	1,717.6	418.6	23.5	24.4
Furniture and related products	337	72,147.1	2,869.1	608.0	24.6	4.0	4.0
Miscellaneous	339	116,201.1	19,095.4	725.1	119.7	16.4	16.5

¹ North American Industry Classification System, 1997; see text, Section 15, Business Enterprise.

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2001*, series AR(01)-1. See also <http://www.census.gov/mcd/exports/ar01.pdf> (released July 2004).

Table 976. Manufacturing Industries—Export-Related Shipments and Employment by State: 2001

[806,189 represents \$806,189,000,000. 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
U.S.	806,189	3,252	20.3	20.5	Mississippi	4,750	20	12.3	9.9
Alabama	12,452	46	18.5	14.7	Missouri	13,486	56	15.0	16.2
Alaska	599	2	15.0	11.9	Montana	442	1	8.2	6.4
Arizona	11,218	48	26.6	25.5	Nebraska	4,581	15	14.7	14.7
Arkansas	7,421	30	15.9	13.1	Nevada	1,120	6	14.8	15.8
California	110,597	471	26.7	26.3	New Hampshire	3,656	20	21.5	20.8
Colorado	7,113	34	20.0	20.9	New Jersey	15,933	64	16.2	16.9
Connecticut	11,511	55	24.5	24.0	New Mexico	3,368	8	29.4	23.2
Delaware	1,131	4	6.8	9.7	New York	29,325	140	20.0	19.7
District of Columbia	1	(D)	0.3	(D)	North Carolina	28,668	140	17.2	20.1
Florida	11,561	59	15.1	14.7	North Dakota	666	2	10.2	8.1
Georgia	20,387	73	16.0	15.0	Ohio	53,214	215	22.0	23.3
Hawaii	197	1	6.2	9.0	Oklahoma	6,100	27	15.2	16.7
Idaho	4,040	16	26.8	24.4	Oregon	12,016	50	27.8	24.9
Illinois	37,336	151	19.0	18.6	Pennsylvania	29,667	133	16.6	17.3
Indiana	31,067	120	20.1	20.1	Rhode Island	1,925	12	17.6	17.6
Iowa	10,623	41	16.2	17.4	South Carolina	20,046	80	25.5	25.6
Kansas	6,987	26	13.2	13.5	South Dakota	2,192	7	19.8	17.2
Kentucky	14,967	50	17.8	17.9	Tennessee	17,404	77	16.7	17.5
Louisiana	11,691	22	13.7	14.1	Texas	69,444	216	21.6	22.7
Maine	2,500	12	16.6	14.9	Utah	4,800	23	18.5	18.8
Maryland	4,948	24	13.7	15.0	Vermont	4,048	18	45.4	38.4
Massachusetts	20,721	98	25.9	26.0	Virginia	14,071	57	15.2	17.4
Michigan	47,700	190	22.8	25.4	Washington	44,121	127	49.4	41.0
Minnesota	12,794	68	15.5	18.2	West Virginia	3,026	12	18.7	17.0
					Wisconsin	18,356	87	14.5	15.9
					Wyoming	204	8	5.3	4.4

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

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2001*, series AR(01)-1. See also <http://www.census.gov/mcd/exports/ar01.pdf> (released July 2004).

Table 977. Manufacturers' E-Commerce Shipments by Industry: 2002 and 2003

[(3,920,632 represents \$3,920,632,000,000). 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	NAICS code ¹	2002				2003			
		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
Manufacturing, total	31-33	3,920,632	751,985	19.2	100.0	3,979,917	842,666	21.2	100.0
Food products	311	460,020	51,094	11.1	6.8	482,815	59,576	12.3	7.1
Beverage and tobacco	312	105,691	45,419	43.0	6.0	106,873	46,998	44.0	5.6
Textile mills	313	45,549	3,977	8.7	0.5	42,557	3,639	8.6	0.4
Textile product mills	314	31,807	7,491	23.6	1.0	30,827	7,244	23.5	0.9
Apparel	315	44,515	9,726	21.8	1.3	40,624	9,137	22.5	1.1
Leather and allied products	316	6,299	783	12.4	0.1	6,003	653	10.9	0.1
Wood products	321	88,985	4,567	5.1	0.6	91,240	5,753	6.3	0.7
Paper	322	153,655	18,385	12.0	2.4	149,270	18,683	12.5	2.2
Printing and related support activities	323	95,388	4,725	5.0	0.6	92,192	4,452	4.8	0.5
Petroleum and coal products	324	215,190	25,523	11.9	3.4	237,011	51,586	21.8	6.1
Chemicals	325	460,451	68,674	14.9	9.1	477,360	85,186	17.8	10.1
Plastics and rubber products	326	173,901	23,953	13.8	3.2	176,344	26,954	15.3	3.2
Nonmetallic mineral products	327	95,265	7,144	7.5	1.0	96,349	8,631	9.0	1.0
Primary metals	331	139,449	12,828	9.2	1.7	136,839	12,578	9.2	1.5
Fabricated metal products	332	246,734	21,427	8.7	2.8	244,662	23,735	9.7	2.8
Machinery	333	253,135	30,390	12.0	4.0	253,673	34,797	13.7	4.1
Computer and electronic products	334	358,258	73,406	20.5	9.8	353,666	67,476	19.1	8.0
Electrical equipment, appliances, and components	335	104,472	23,043	22.1	3.1	101,771	23,722	23.3	2.8
Transportation equipment	336	637,675	297,280	46.6	39.5	653,489	327,401	50.1	38.9
Furniture and related products	337	77,242	8,082	10.5	1.1	76,621	9,983	13.0	1.2
Miscellaneous	339	126,951	14,068	11.1	1.9	129,731	14,482	11.2	1.7

¹ North American Industry Classification System, 1997; see text, Section 15.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/eos/www/papers/2003/2003finaltables.pdf>> (released 11 May 2005).

Table 978. Manufacturing Employer Costs for Employee Compensation Per Hour Worked: 1990 to 2004

[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 637, Section 12]

Compensation component	Cost (dol.)					Percent distribution				
	1990	2000	2002	2003	2004	1990	2000	2002	2003	2004
Total compensation	17.33	23.41	25.20	26.02	28.10	100.0	100.0	100.0	100.0	100.0
Wages and salaries	11.86	16.01	17.19	17.43	18.14	68.4	68.4	68.2	67.0	64.6
Total benefits	5.47	7.40	8.01	8.59	9.96	31.6	31.6	31.8	33.0	35.4
Paid leave	1.31	1.74	1.91	1.97	2.05	7.6	7.4	7.6	7.6	7.3
Vacation	0.67	0.86	0.97	1.00	1.03	3.9	3.7	3.8	3.8	3.7
Holiday	0.48	0.65	0.70	0.73	0.76	2.8	2.8	2.8	2.8	2.7
Sick	0.12	0.13	0.14	0.16	0.16	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	0.4
Supplemental pay	0.65	1.04	1.13	1.23	1.20	3.8	4.4	4.5	4.7	4.3
Premium pay	0.34	0.58	0.56	0.60	0.60	2.0	2.5	2.2	2.3	2.1
Nonproduction bonuses	0.22	0.36	0.46	0.51	0.48	1.3	1.5	1.8	2.0	1.7
Shift pay	0.09	0.10	0.11	0.11	0.12	0.5	0.4	0.4	0.4	0.4
Insurance	1.37	1.85	2.11	2.27	2.59	7.9	7.9	8.4	8.7	9.2
Health insurance	(NA)	1.69	1.92	2.08	2.40	(NA)	7.2	7.6	8.0	8.5
Retirement and savings	0.56	0.75	0.74	0.86	1.56	3.2	3.2	2.9	3.3	5.6
Defined benefit	(NA)	0.34	0.30	0.41	1.06	(NA)	1.5	1.2	1.6	3.8
Defined contributions	(NA)	0.41	0.44	0.45	0.50	(NA)	1.8	1.7	1.7	1.8
Legally required	1.54	1.92	2.05	2.18	2.43	8.9	8.2	8.1	8.4	8.6
Social Security	1.02	1.38	1.48	1.51	1.57	5.9	5.9	5.9	5.8	5.6
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	0.11	0.13	0.18	0.7	0.5	0.4	0.5	0.6
Workers compensation	0.36	0.40	0.43	0.51	0.64	2.1	1.7	1.7	2.0	2.3
Other benefits	0.04	0.09	0.07	0.08	0.13	0.2	0.4	0.3	0.3	0.5

NA Not available. ¹ 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 <[ftp://ftp.bls.gov/pub/special.requests/ocwc/ect/ecechist.pdf](http://ftp.bls.gov/pub/special.requests/ocwc/ect/ecechist.pdf)> (issued 19 June 2002) and <<http://www.bls.gov/news.release/pdf/ecec.pdf>> (issued 16 March 2005).

Table 979. Manufacturing Industries—Employment by Industry: 1990 to 2004

[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 ¹	All employees (1,000)						Percent change	
		1990	2000	2001	2002	2003	2004	1990- 2000	2000- 2004
All industries	(X)	109,487	131,785	131,826	130,341	129,999	131,480	20.4	-0.2
Manufacturing	31-33	17,695	17,263	16,441	15,259	14,510	14,329	-2.4	-17.0
Percent of all industries	(X)	16.16	13.10	12.47	11.71	11.16	10.90	(X)	(X)
Durable goods	(X)	10,736	10,876	10,335	9,483	8,963	8,923	1.3	-18.0
Wood products	321	541	613	574	555	538	548	13.4	-10.5
Sawmills and wood preservation	3211	148	134	127	121	117	118	-9.6	-12.2
Plywood and engineered wood products	3212	96	122	116	116	114	117	28.2	-4.2
Other wood products	3219	297	357	331	318	306	314	20.1	-12.1
Nonmetallic mineral products	327	528	554	545	516	494	505	4.9	-8.9
Clay products and refractories	3271	84	82	77	72	66	66	-1.9	-20.1
Glass and glass products	3272	152	141	136	124	115	112	-7.6	-20.2
Cement and concrete products	3273	195	234	236	230	224	235	20.1	0.4
Lime, gypsum, and other nonmetallic mineral products	3279	98	97	95	91	89	92	-0.3	-5.5
Primary metals	331	689	622	571	509	477	466	-9.7	-25.1
Iron and steel mills and ferroalloy production	3311	187	135	122	107	102	95	-27.7	-29.3
Steel products from purchased steel	3312	70	73	68	63	61	61	4.0	-16.9
Alumina and aluminum production	3313	108	101	92	80	75	73	-7.3	-27.4
Other nonferrous metal production	3314	109	96	90	81	74	71	-11.7	-26.0
Foundries	3315	214	217	200	178	166	165	1.4	-23.7
Fabricated metal products	332	1,610	1,753	1,676	1,549	1,479	1,498	8.9	-14.6
Forging and stamping	3321	128	138	125	113	109	110	7.9	-20.5
Cutlery and hand tools	3322	79	79	72	64	61	59	0.3	-25.6
Architectural and structural metals	3323	357	428	422	399	380	390	20.0	-9.0
Boilers, tanks, and shipping containers	3324	117	107	103	96	91	92	-9.1	-13.3
Hardware	3325	57	50	46	42	40	38	-12.8	-23.2
Spring and wire products	3326	78	81	76	70	64	62	4.3	-23.4
Machine shops and threaded products	3327	309	365	348	318	311	326	18.4	-10.7
Coating, engraving, and heat treating metals	3328	143	175	163	149	143	142	22.7	-18.5
Other fabricated metal products	3329	344	330	321	296	281	278	-4.0	-15.6
Machinery	333	1,408	1,455	1,368	1,230	1,149	1,142	3.3	-21.5
Agricultural, construction, and mining machinery	3331	229	222	217	200	188	195	-2.8	-12.3
Industrial machinery	3332	152	163	149	131	123	119	7.5	-27.1
Commercial and service industry machinery	3333	147	147	143	130	118	115	0.3	-21.9
HVAC and commercial refrigeration equipment	3334	165	194	184	167	157	152	17.8	-21.5
Metalworking machinery	3335	267	274	249	217	205	202	2.5	-26.3
Turbine and power transmission equipment	3336	114	111	106	101	94	93	-2.4	-16.7
Other general purpose machinery	3339	335	343	321	285	265	266	2.4	-22.5
Computer and electronic products	334	1,903	1,820	1,749	1,507	1,355	1,326	-4.3	-27.1
Computer and peripheral equipment	3341	367	302	286	250	224	212	-17.8	-29.7
Communications equipment	3342	232	248	234	186	155	151	7.0	-39.2
Audio and video equipment	3343	60	52	47	42	37	32	-13.3	-38.8
Semiconductors and electronic components	3344	574	676	645	525	461	453	17.8	-33.0
Electronic instruments	3345	626	479	475	450	430	432	-23.6	-9.8
Magnetic media manufacturing and reproduction	3346	43	63	61	55	48	47	46.4	-25.7
Electrical equipment and appliances	335	633	591	557	497	460	447	-6.7	-24.4
Electric lighting equipment	3351	81	85	79	72	67	65	5.0	-23.1
Household appliances	3352	114	106	102	98	93	90	-7.0	-14.8
Electrical equipment	3353	244	210	197	175	160	153	-13.9	-27.0
Other electrical equipment and components	3359	195	191	180	152	140	139	-2.3	-27.3
Transportation equipment ²	336	2,133	2,056	1,938	1,829	1,774	1,764	-3.6	-14.2
Motor vehicles	3361	271	291	279	265	265	256	7.4	-12.1
Motor vehicle bodies and trailers	3362	130	183	159	152	153	165	40.8	-10.0
Motor vehicle parts	3363	653	840	775	734	708	689	28.6	-18.0
Aerospace products and parts	3364	841	517	511	470	442	444	-38.5	-34.1
Ship and boat building	3366	173	153	147	146	146	148	-11.4	-1.1
Other transportation equipment	3369	35	40	39	39	38	38	14.0	-4.8

See footnotes at end of table.

Table 979. Manufacturing Industries—Employment by Industry: 1990 to 2004—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 ¹	All employees (1,000)						Percent change	
		1990	2000	2001	2002	2003	2004	1990- 2000	2000- 2004
Furniture and related products	337	601	680	642	604	573	573	13.0	-15.7
Household and institutional furniture	3371	398	440	416	400	382	384	10.6	-12.7
Office furniture and fixtures	3372	156	181	171	151	139	136	16.0	-24.9
Other furniture-related products	3379	47	58	56	54	52	52	23.1	-10.2
Miscellaneous manufacturing	339	690	733	715	688	663	656	6.2	-10.6
Medical equipment and supplies	3391	288	310	311	308	304	304	7.7	-1.9
Other miscellaneous manufacturing	3399	403	423	403	380	359	351	5.1	-16.9
Nondurable goods	(X)	6,959	6,388	6,107	5,775	5,547	5,406	-8.2	-15.4
Food manufacturing	311	1,507	1,553	1,551	1,526	1,518	1,497	3.0	-3.6
Animal food	3111	57	55	53	51	50	51	-4.2	-7.1
Grain and oilseed milling	3112	71	65	63	62	62	61	-9.1	-6.5
Sugar and confectionery products	3113	99	92	89	84	85	84	-7.3	-9.1
Fruit and vegetable preserving and specialty	3114	218	197	193	183	185	182	-9.5	-7.9
Dairy products	3115	145	136	137	137	135	132	-5.9	-2.9
Animal slaughtering and processing	3116	427	507	516	517	516	505	18.6	-0.3
Seafood product preparation and packaging	3117	54	45	47	44	42	42	-17.2	-7.3
Bakeries and tortilla manufacturing	3118	292	306	303	297	292	288	4.9	-6.1
Other food products	3119	143	150	152	151	152	154	5.0	2.5
Beverages and tobacco products	312	218	207	209	207	200	194	-4.9	-6.1
Beverages	3121	173	175	177	174	169	165	1.2	-5.7
Textile mills	313	492	378	333	291	261	239	-23.1	-36.9
Fiber, yarn, and thread mills	3131	102	81	71	63	57	54	-20.5	-32.8
Fabric mills	3132	270	192	168	145	130	116	-29.0	-39.7
Textile and fabric finishing mills	3133	120	105	95	83	74	69	-12.1	-35.0
Textile product mills	314	209	216	206	195	179	178	3.3	-17.8
Textile furnishings mills	3141	127	129	121	116	105	103	1.3	-20.2
Other textile product mills	3149	82	88	84	78	74	75	6.4	-14.4
Apparel	315	929	497	427	360	312	285	-46.5	-42.7
Apparel knitting mills	3151	112	69	61	50	45	42	-38.4	-39.0
Cut and sew apparel	3152	776	394	335	283	243	220	-49.3	-44.1
Accessories and other apparel	3159	41	34	31	27	24	23	-16.9	-33.1
Leather and allied products	316	133	69	58	50	45	43	-48.3	-37.6
Footwear	3162	83	31	26	22	20	19	-62.8	-36.8
Leather and hide tanning and finishing and other leather products	3169	51	38	32	28	25	24	-25.0	-38.2
Paper and paper products	322	647	605	578	547	516	499	-6.6	-17.5
Pulp, paper, and paperboard mills	3221	238	191	179	165	151	147	-19.7	-32.2
Converted paper products	3222	409	413	398	382	365	352	1.1	-14.8
Printing and related support activities	323	809	807	768	707	681	665	-0.2	-17.6
Petroleum and coal products	324	153	123	121	118	114	113	-19.4	-8.4
Chemicals	325	1,036	990	959	928	906	887	-5.3	-9.5
Basic chemicals	3251	249	188	181	170	162	156	-24.4	-17.1
Resin, rubber, and artificial fibers	3252	158	136	126	115	112	109	-14.2	-19.8
Agricultural chemicals	3253	52	48	46	45	42	41	-8.8	-14.0
Pharmaceuticals and medicines	3254	207	274	283	291	292	291	32.4	6.0
Paints, coatings, and adhesives	3255	85	79	75	72	69	68	-6.6	-13.6
Soaps, cleaning compounds, and toiletries	3256	132	129	127	121	119	114	-2.4	-11.0
Other chemical products and preparations	3259	153	127	120	114	111	108	-17.1	-15.2
Plastics and rubber products	326	826	952	897	848	815	807	15.3	-15.3
Plastics products	3261	619	738	699	664	639	634	19.3	-14.1
Rubber products	3262	207	214	199	184	177	173	3.5	-19.3

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

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, March 2005 issue; and the Current Employment Statistics program Internet site <<http://www.bls.gov/ces/home.htm>>.

Table 980. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 2001 to 2003

[In dollars. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

State	2001	2002	2003	State	2001	2002	2003
United States	14.76	15.29	15.74	Mississippi	11.93	12.32	12.88
Alabama	12.76	13.10	13.56	Missouri	16.11	16.79	18.21
Alaska	11.70	13.24	12.16	Montana	14.03	14.43	14.02
Arizona	13.80	14.16	14.38	Nebraska	13.64	14.05	14.86
Arkansas	12.90	13.30	13.55	Nevada	13.79	14.62	14.63
California	14.69	14.89	15.05	New Hampshire	13.98	14.20	14.85
Colorado	14.72	15.85	16.89	New Jersey	14.74	15.20	15.46
Connecticut	16.42	17.25	17.74	New Mexico	13.27	13.43	13.19
Delaware	16.56	16.62	16.90	New York	16.24	16.74	16.78
District of Columbia ¹	15.14	15.39	15.80	North Carolina	12.81	13.18	13.66
Florida	12.68	13.30	14.09	North Dakota	12.77	13.17	14.00
Georgia	12.50	13.39	14.08	Ohio	16.79	17.49	18.04
Hawaii	13.18	13.07	12.90	Oklahoma	13.66	14.12	14.13
				Oregon	14.74	15.06	15.20
				Pennsylvania	14.37	14.75	14.98
Idaho	13.85	13.80	13.72	Rhode Island	12.68	12.75	12.88
Illinois	14.66	14.99	15.20	South Carolina	13.79	14.00	14.19
Indiana	16.42	17.16	17.84	South Dakota	12.11	12.60	13.13
Iowa	14.67	15.31	15.70	Tennessee	12.88	13.15	13.56
Kansas	15.48	15.98	15.83	Texas	14.04	13.93	13.94
Kentucky	15.44	15.73	16.02	Utah	13.76	14.12	14.90
Louisiana	16.18	17.03	16.86	Vermont	14.18	14.33	14.54
Maine	14.71	15.55	16.28	Virginia	14.49	15.25	15.88
Maryland	14.56	15.21	15.75	Washington	17.96	18.15	18.03
Massachusetts	15.75	16.25	16.53	West Virginia	14.80	15.40	16.05
Michigan	19.45	20.48	21.28	Wisconsin	15.44	15.86	16.12
Minnesota	14.76	15.06	15.43	Wyoming	17.26	17.73	16.74

¹ Washington PMSA (primary metropolitan statistical area).

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, May 2004 issue and earlier issues.

Table 981. Manufacturing Full-Time Equivalent Employees and Wages by Industry: 2000 to 2003

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

Industry	NAICS code ¹	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
		2000	2001	2002	2003	2000	2001	2002	2003
All industries, total	(X)	124,707	125,144	123,865	123,364	38,762	39,538	40,219	41,415
Manufacturing	31-33	16,947	16,190	15,049	14,308	44,216	43,778	44,867	46,742
Percent of all industries	(X)	13.6	12.9	12.1	11.6	114.1	110.7	111.6	112.9
Durable goods	(X)	10,713	10,193	9,363	8,860	47,007	46,063	47,041	49,032
Wood products	321	606	576	566	544	30,360	30,642	31,081	32,127
Nonmetallic mineral products	327	545	535	510	491	38,879	39,204	40,494	41,664
Primary metals	331	611	560	499	466	45,745	45,791	46,585	48,442
Fabricated metal products	332	1,738	1,645	1,524	1,457	37,688	38,178	39,159	40,336
Machinery	333	1,420	1,348	1,211	1,136	46,882	46,024	47,135	49,057
Computer and electronic products	334	1,813	1,728	1,480	1,337	71,372	65,518	66,344	70,874
Electrical equipment, appliances, and components	335	568	548	490	456	42,732	40,854	41,976	43,950
Motor vehicles, bodies and trailers, and parts	3361-3363	1,283	1,198	1,141	1,113	49,727	48,743	51,415	53,760
Other transportation equipment	3365	736	714	666	638	52,612	55,148	57,823	59,970
Furniture and related products	337	664	630	592	558	29,660	29,917	30,807	32,086
Miscellaneous manufacturing	339	728	711	684	663	38,504	39,646	40,975	43,161
Nondurable goods	(X)	6,235	5,997	5,687	5,447	39,420	39,893	41,281	43,025
Food and beverage and tobacco products	311-312	1,719	1,718	1,698	1,668	34,110	34,698	35,491	36,787
Textile mills and textile product mills	313-314	584	521	476	436	29,018	29,532	30,693	31,220
Apparel and leather and allied products	315	538	486	408	360	24,769	24,574	26,350	28,003
Paper products	322	596	564	531	501	45,578	46,888	48,586	50,124
Printing and related support activities	323	767	764	707	671	38,966	37,492	38,358	39,362
Petroleum and coal products	324	120	118	117	113	62,310	64,898	65,821	69,159
Chemical products	325	968	946	912	892	60,928	61,364	62,786	66,175
Plastics and rubber products	326	942	880	839	805	35,375	35,799	37,257	38,431

¹ North American Industry Classification System, 1997; see text, this section.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 2005, and earlier issues. See also <<http://www.bea.doc.gov/bea/dn/nipaweb/SelectTable.asp?Selected=N>> (released 31 March 2005).

Table 982. Manufacturers' Shipments, Inventories, and New Orders: 1992 to 2004

[In billions of dollars (2,904 represents \$2,904,000,000,000), except ratio. Based on a sample survey; for methodology, see publication cited below. These data are now on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Year	Shipments	Inventories (Dec. 31) ¹	Ratio of inventories to shipments ²	New orders (Dec. 31)	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	3,970	442	1.37	3,875	513
2002	3,892	434	1.37	3,801	481
2003	3,999	428	1.32	3,950	502
2004	4,430	460	1.28	4,389	547

NA Not available. ¹ Inventories are stated at current cost. ² Ratio based on December seasonally-adjusted data.

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2002*, Series M3-1(02). See also <<http://www.census.gov/prod/2003pubs/m3-02.pdf>> (released August 2003) and <<http://www.census.gov/indicator/www/m3/>>.

Table 983. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1998 to 2004

[Based on a sample survey; for methodology, see publication cited below.]

Industry	1998	1999	2000	2001	2002	2003	2004
INVENTORIES-TO-SHIPMENTS RATIO							
All manufacturing industries	1.38	1.38	1.37	1.37	1.37	1.32	1.28
Durable goods	1.56	1.53	1.55	1.57	1.53	1.47	1.43
Wood products	1.26	1.26	1.32	1.34	1.33	1.24	1.10
Nonmetallic mineral products	1.17	1.17	1.23	1.21	1.29	1.27	1.26
Primary metals	1.59	1.69	1.68	1.67	1.67	1.58	1.57
Fabricated metals	1.55	1.56	1.55	1.55	1.51	1.52	1.57
Machinery	2.01	2.05	2.08	2.06	2.04	1.97	1.88
Computers and electronic products	1.41	1.42	1.55	1.59	1.57	1.37	1.26
Electrical equipment, appliances, and components	1.45	1.42	1.44	1.47	1.47	1.47	1.47
Transportation equipment	1.57	1.42	1.34	1.39	1.31	1.31	1.28
Furniture and related products	1.34	1.35	1.35	1.32	1.34	1.30	1.36
Miscellaneous products	1.85	1.89	1.90	1.87	1.83	1.74	1.74
Nondurable goods	1.14	1.18	1.14	1.13	1.18	1.14	1.10
Food products	0.82	0.86	0.88	0.85	0.87	0.86	0.83
Beverages and tobacco products	1.63	1.55	1.51	1.47	1.58	1.65	1.62
Textile mills	1.45	1.52	1.49	1.48	1.38	1.51	1.38
Textile product mills	1.63	1.62	1.76	1.83	1.72	1.76	1.68
Apparel	1.75	1.89	1.89	1.68	1.58	1.62	1.54
Leather and allied products	2.05	2.18	2.13	2.10	1.91	1.92	1.98
Paper products	1.15	1.16	1.11	1.16	1.17	1.09	1.04
Printing	0.80	0.81	0.79	0.77	0.78	0.78	0.86
Petroleum and coal products	0.84	0.90	0.71	0.74	0.90	0.75	0.62
Basic chemicals	1.31	1.38	1.40	1.39	1.44	1.38	1.36
Plastics and rubber products	1.19	1.20	1.21	1.18	1.30	1.33	1.41
UNFILLED ORDERS-TO-SHIPMENTS RATIO							
All manufacturing industries	1.53	1.51	1.57	1.56	1.50	1.52	1.50
Durable goods	2.67	2.61	2.78	2.86	2.74	2.83	2.79
Primary metals	1.56	1.69	1.45	1.47	1.33	1.51	1.42
Fabricated metals	2.00	2.02	2.02	1.93	1.80	1.90	2.03
Machinery	2.40	2.50	2.51	2.46	2.04	2.08	2.10
Computers and electronic products	2.57	2.93	3.07	3.56	3.66	3.71	3.63
Electrical equipment, appliances, and components	1.56	1.78	1.75	1.54	1.62	1.61	1.71
Transportation equipment	5.00	4.24	4.93	5.03	4.72	4.89	4.88
Furniture and related products	1.19	1.27	1.14	1.09	0.94	0.96	0.99
Miscellaneous products	0.46	0.49	0.62	0.44	0.45	0.58	0.64

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2002*, Series M3-1(02). See also <<http://www.census.gov/prod/2003pubs/m3-02.pdf>> (released August 2003) and <<http://www.census.gov/indicator/www/m3/>>.

Table 984. Value of Manufacturers' Shipments, Inventories, and New Orders by Industry: 1998 to 2004

[In millions of dollars (3,899,813 represents \$3,899,813,000,000). Based on a sample survey; for methodology, see publication cited below. These data are on a NAICS (North American Industry Classification System) basis and not comparable to previous data, which were based on the Standard Industrial Classification system]

Industry	1998	1999	2000	2001	2002	2003	2004
SHIPMENTS							
All manufacturing industries	3,899,813	4,031,887	4,208,584	3,970,499	3,891,753	3,999,124	4,429,700
Durable goods	2,231,588	2,326,736	2,373,688	2,174,406	2,131,404	2,150,638	2,373,410
Wood products	91,175	97,311	93,669	87,250	87,652	93,238	110,314
Nonmetallic mineral products.	92,501	96,153	97,329	94,861	88,222	87,500	91,299
Primary metals	166,109	156,648	156,598	138,246	135,930	131,307	165,790
Fabricated metals	253,720	257,071	268,213	253,113	252,232	245,469	272,504
Machinery	280,651	276,904	291,548	266,554	255,651	253,516	294,446
Computers and electronic products.	443,768	467,059	510,639	429,471	392,026	418,651	469,794
Electrical equipment, appliances, and components	116,024	118,313	125,443	114,068	103,673	101,415	106,479
Transportation equipment	612,862	676,328	639,861	602,495	624,129	618,670	648,681
Furniture and related products.	69,616	72,659	75,107	72,147	69,999	69,870	75,369
Miscellaneous products	105,142	108,290	115,281	116,201	121,890	131,002	138,734
Nondurable goods	1,668,225	1,705,151	1,834,896	1,796,093	1,760,349	1,848,486	2,056,290
Food products	428,479	426,001	435,229	451,385	450,183	461,064	487,358
Beverages and tobacco products	102,359	106,920	111,692	118,786	109,832	105,310	108,824
Textile mills	57,416	54,306	52,112	45,681	43,170	39,775	41,415
Textile product mills	31,137	32,689	33,654	31,971	34,232	35,247	37,979
Apparel	64,932	62,305	60,339	54,598	53,621	52,970	56,282
Leather and allied products	10,186	9,653	9,647	8,834	10,408	10,903	10,467
Paper products	154,984	156,915	165,298	155,845	151,530	159,611	172,508
Printing	100,297	101,536	104,396	100,792	97,968	95,036	95,043
Petroleum and coal products	137,957	162,620	235,134	219,074	206,879	244,097	337,643
Basic chemicals	416,742	420,321	449,159	438,410	424,143	459,110	505,957
Plastics and rubber products	163,736	171,885	178,236	170,717	178,383	185,363	202,814
INVENTORIES (Dec. 31)							
All manufacturing industries	438,845	452,803	470,084	441,527	433,756	428,176	459,690
Durable goods	282,698	288,362	298,232	275,855	264,446	255,969	275,766
Wood products	9,684	10,289	10,329	9,664	9,566	9,598	9,843
Nonmetallic mineral products.	8,877	9,279	9,799	9,440	9,306	9,051	9,393
Primary metals	22,305	22,309	22,199	19,502	19,144	17,420	22,005
Fabricated metals	32,215	32,800	34,085	32,145	31,227	30,504	34,992
Machinery	45,728	46,050	49,151	44,532	42,296	40,512	44,857
Computers and electronic products.	50,066	52,838	63,024	54,598	49,287	45,945	47,524
Electrical equipment, appliances, and components	13,503	13,510	14,505	13,488	12,234	11,949	12,463
Transportation equipment	77,014	76,781	69,199	67,188	65,769	65,146	66,744
Furniture and related products.	7,599	7,983	8,261	7,765	7,632	7,375	8,359
Miscellaneous products	15,707	16,523	17,680	17,533	17,985	18,469	19,586
Nondurable goods	156,147	164,441	171,852	165,672	169,310	172,207	183,924
Food products	29,419	30,650	31,882	31,865	32,534	33,082	33,865
Beverages and tobacco products	14,294	14,167	14,331	14,855	14,717	14,725	14,776
Textile mills	6,684	6,648	6,243	5,411	4,759	4,817	4,602
Textile product mills	4,024	4,219	4,698	4,648	4,691	4,951	5,063
Apparel	9,114	9,454	9,170	7,363	6,784	6,901	7,009
Leather and allied products	1,667	1,675	1,634	1,479	1,580	1,673	1,655
Paper products	14,688	15,034	15,205	14,950	14,621	14,352	14,806
Printing	6,212	6,394	6,445	6,046	5,985	5,754	6,438
Petroleum and coal products	9,102	11,375	12,840	12,479	14,302	13,973	16,259
Basic chemicals	44,943	47,806	51,623	50,552	50,363	51,917	56,263
Plastics and rubber products	16,000	17,019	17,781	16,524	18,974	20,062	23,188
NEW ORDERS							
All manufacturing industries	3,808,143	3,957,242	4,161,472	3,875,329	3,800,930	3,949,998	4,389,035
Durable goods	2,139,918	2,252,091	2,326,576	2,079,236	2,040,581	2,101,512	2,332,745
Wood products	91,175	97,311	93,669	87,250	87,652	93,238	110,314
Nonmetallic mineral products.	92,501	96,153	97,329	94,861	88,222	87,500	91,299
Primary metals	160,743	156,968	153,625	136,291	134,089	132,850	168,653
Fabricated metals	253,847	258,116	270,021	248,672	249,408	246,590	279,101
Machinery	278,100	278,277	294,608	260,392	244,559	253,978	301,965
Computers and electronic products.	372,433	402,216	436,415	363,049	325,378	356,127	396,431
Electrical equipment, appliances, and components	115,711	120,774	126,196	110,628	103,013	101,038	107,916
Transportation equipment	600,205	660,215	663,326	591,756	617,098	625,535	661,199
Furniture and related products.	69,098	73,393	74,532	71,614	68,959	69,972	76,009
Miscellaneous products	106,105	108,668	116,855	114,523	122,203	132,684	139,858
Nondurable goods	1,668,225	1,705,151	1,834,896	1,796,093	1,760,349	1,848,486	2,056,290

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2002*, Series M3-1(02). See also <<http://www.census.gov/prod/2003pubs/m3-02.pdf>> (released August 2003) and <<http://www.census.gov/indicator/www/m3/>>.

Table 985. Value of Manufactures' Shipments, Inventories, and New Orders by Market Grouping: 1998 to 2004

[In millions of dollars (3,899,813 represents \$3,899,813,000,000). Based on a sample survey; for methodology, see publication cited below.

Market grouping	1998	1999	2000	2001	2002	2003	2004
SHIPMENTS							
All manufacturing industries	3,899,813	4,031,887	4,208,584	3,970,499	3,891,753	3,999,124	4,429,700
Consumer goods	1,364,326	1,438,519	1,514,377	1,493,707	1,472,647	1,529,699	1,686,162
Consumer durable goods	385,918	426,337	405,308	380,734	396,590	400,023	422,014
Consumer nondurable goods	978,408	1,012,182	1,109,069	1,112,973	1,076,057	1,129,676	1,264,148
Aircraft and parts	116,812	120,242	111,658	118,226	111,726	107,161	114,768
Defense aircraft and parts	26,938	27,719	24,560	27,928	35,127	39,856	43,676
Nondefense aircraft and parts	89,874	92,523	87,098	90,298	76,599	67,305	71,092
Construction materials and supplies	418,756	434,138	444,812	424,517	419,040	421,903	471,590
Motor vehicles and parts	439,590	498,716	471,180	427,175	450,136	442,840	461,920
Computers and related products	114,482	113,162	110,242	89,529	81,449	93,449	105,677
Information technology industries	362,564	374,384	399,751	353,237	319,391	337,316	371,050
Nondefense capital goods	747,046	768,799	808,345	727,980	673,223	683,195	760,579
Excluding aircraft	695,717	713,042	757,617	677,991	634,549	652,339	730,796
Defense capital goods	74,690	70,955	67,051	74,019	79,825	91,883	99,688
Durables excluding capital goods	1,409,852	1,486,982	1,498,292	1,372,407	1,378,356	1,375,560	1,513,143
INVENTORIES (Dec. 31)							
All manufacturing industries	438,845	452,803	470,084	441,527	433,756	428,176	459,690
Consumer goods	116,715	123,218	129,478	126,855	129,445	131,660	138,358
Consumer durable goods	25,137	26,307	27,438	25,704	26,289	25,932	28,481
Consumer nondurable goods	91,578	96,911	102,040	101,151	103,156	105,728	109,877
Aircraft and parts	46,921	42,599	36,091	36,393	34,978	34,293	34,240
Defense aircraft and parts	11,376	11,052	9,423	9,384	9,610	11,296	12,035
Nondefense aircraft and parts	35,545	31,547	26,668	27,009	25,368	22,997	22,205
Construction materials and supplies	45,617	47,510	49,389	46,344	46,196	45,350	50,223
Motor vehicles and parts	20,764	22,102	22,283	19,653	20,256	19,604	20,779
Computers and related products	8,017	7,963	8,350	6,341	5,975	5,639	6,048
Information technology industries	43,592	44,375	50,795	46,650	41,802	38,432	39,004
Nondefense capital goods	122,415	121,653	127,162	119,258	109,106	102,129	107,531
Excluding aircraft	94,045	96,254	106,669	98,483	90,539	85,879	91,701
Defense capital goods	17,775	19,754	17,153	17,677	17,705	19,270	19,719
Durables excluding capital goods	142,508	146,955	153,917	138,920	137,635	134,570	148,516
NEW ORDERS							
All manufacturing industries	3,808,143	3,957,242	4,161,472	3,875,329	3,800,930	3,949,998	4,389,035
Consumer goods	1,364,268	1,440,903	1,515,799	1,491,143	1,471,270	1,530,443	1,687,479
Consumer durable goods	385,860	428,721	406,730	378,170	395,213	400,767	423,331
Consumer nondurable goods	978,408	1,012,182	1,109,069	1,112,973	1,076,057	1,129,676	1,264,148
Aircraft and parts	108,004	107,336	130,575	111,432	105,382	105,544	118,738
Defense aircraft and parts	23,854	25,717	31,326	37,311	40,087	44,662	35,579
Nondefense aircraft and parts	84,150	81,619	99,249	74,121	65,295	60,882	83,159
Construction materials and supplies	419,330	435,034	446,792	420,300	418,315	422,639	476,295
Motor vehicles and parts	440,934	499,527	468,470	425,580	450,183	444,327	462,965
Computers and related products	115,806	114,481	107,656	89,320	82,398	94,130	106,147
Information technology industries	365,723	389,160	409,500	350,726	314,473	349,234	382,624
Nondefense capital goods	745,600	772,703	831,335	700,027	647,894	689,340	784,070
Excluding aircraft	698,279	728,089	767,754	665,899	617,878	663,352	741,821
Defense capital goods	64,127	67,900	79,598	83,033	79,264	104,824	109,315
Durables excluding capital goods	1,330,191	1,411,488	1,415,643	1,296,176	1,313,423	1,307,348	1,439,360

Source: U.S. Census Bureau, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1992-2002*, Series M3-1(02). See also <<http://www.census.gov/prod/2003pubs/m3-02.pdf>> (released August 2003) and <<http://www.census.gov/indicator/www/m3/>>.

Table 986. Finances and Profits of Manufacturing Corporations: 1990 to 2004

[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. See Table 769 for individual industry data]

Item	1990	1995	1998	1999	2000	2001 ¹	2001 ²	2002 ²	2003 ²	2004 ²
Net sales	2,811	3,528	3,949	4,149	4,548	4,308	4,295	4,217	4,397	4,929
Net operating profit	173	268	298	317	348	185	186	225	237	326
Net profit:										
Before taxes	160	274	315	355	381	82	83	196	306	445
After taxes	112	198	234	258	275	36	36	135	237	346
Cash dividends	62	81	121	104	132	102	103	106	115	142
Net income retained in business	49	117	114	154	143	-67	-66	28	122	204

¹ Based on Standard Industrial Classification system. ² 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/2005pubs/qfr04-q4.pdf>> (released April 2005).

Table 987. Manufacturing Corporations—Assets and Profits by Asset Size: 1990 to 2004

[In millions of dollars. Corporations and assets as of end of 4th quarter; profits for entire year (2,629,458 represents \$2,629,458,000,000). Through 2000 based on Standard Industrial Classification code; beginning 2001 based on North American Industry Classification System (see footnote 3). 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	Unit	Total ¹	Asset-size class						
			Under \$10 mil. ¹	\$10–\$25 mil.	\$25–\$50 mil.	\$50–\$100 mil.	\$100–\$250 mil.	\$250–\$1 bil.	\$1 bil. and over
Assets:									
1990	Mil. dol	2,629,458	142,498	74,477	55,914	72,554	123,967	287,512	1,872,536
1991	Mil. dol	2,688,422	140,056	70,567	58,549	72,694	127,748	295,743	1,923,066
1992	Mil. dol	2,798,625	143,766	70,446	65,718	75,967	132,742	302,287	2,007,698
1993	Mil. dol	2,904,869	149,763	72,854	61,243	81,389	134,388	317,774	2,087,457
1994	Mil. dol	3,080,231	148,751	81,505	66,405	82,116	138,950	358,100	2,204,404
1995	Mil. dol	3,345,229	155,618	87,011	68,538	87,262	159,133	370,263	2,417,403
1996	Mil. dol	3,574,407	163,928	87,096	69,722	93,205	156,702	398,651	2,605,102
1997	Mil. dol	3,746,797	167,921	87,398	76,034	85,186	157,130	397,559	2,775,570
1998	Mil. dol	3,967,309	170,068	87,937	69,627	86,816	148,060	419,153	2,985,647
1999	Mil. dol	4,382,814	170,558	85,200	67,352	97,810	138,143	398,881	3,425,370
2000	Mil. dol	4,852,106	171,666	85,482	72,122	90,866	149,714	389,537	3,892,720
2001 ²	Mil. dol	4,747,789	169,701	84,664	67,493	88,088	131,617	393,752	3,812,474
2002	Mil. dol	4,823,219	166,191	82,369	62,654	81,667	134,821	407,423	3,888,095
2003	Mil. dol	5,162,852	161,462	80,681	62,592	77,205	126,826	392,192	4,261,894
2004	Mil. dol	5,525,256	163,919	79,902	71,714	82,918	128,015	431,699	4,567,089
Net profit: ³									
1990	Mil. dol	110,128	8,527	5,160	2,769	2,661	3,525	7,110	80,377
1991	Mil. dol	66,407	6,820	4,271	2,564	1,704	1,707	5,027	44,316
1992	Mil. dol	22,085	9,567	4,748	3,245	3,034	4,553	5,919	-8,979
1993	Mil. dol	83,156	11,195	5,415	3,439	3,218	3,584	4,555	51,750
1994	Mil. dol	174,874	14,131	7,057	4,072	4,996	6,745	14,626	123,250
1995	Mil. dol	198,151	13,224	5,668	3,767	5,771	7,000	16,549	146,172
1996	Mil. dol	224,869	15,802	6,872	4,266	5,664	7,935	16,059	168,271
1997	Mil. dol	244,505	17,948	8,383	4,153	4,675	7,074	18,433	183,836
1998	Mil. dol	234,386	18,350	6,421	3,790	4,681	5,610	14,364	181,170
1999	Mil. dol	257,805	17,398	7,618	3,504	4,798	4,795	12,756	206,934
2000	Mil. dol	275,313	16,578	6,820	3,403	2,742	3,510	15,121	227,136
2001 ²	Mil. dol	36,168	8,387	3,366	-408	403	-543	-6,782	31,746
2002	Mil. dol	134,686	10,003	2,784	807	1,699	3,356	-1,227	117,262
2003	Mil. dol	237,041	9,821	3,374	2,005	2,256	2,973	4,115	212,497
2004	Mil. dol	345,608	15,007	5,794	3,905	3,065	5,428	13,783	298,625

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

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. See also <<http://www.census.gov/prod/2005pubs/qfr04-q4.pdf>> (released April 2005).

Table 988. Manufacturing Corporations—Selected Finances: 1990 to 2004

[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 corporations			Durable goods industries			Nondurable goods industries		
	Sales	Profits ¹		Sales	Profits ¹		Sales	Profits ¹	
		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 ²	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	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	85	2,114	188	149
2004	4,929	445	346	2,538	197	154	2,391	248	192

¹ Beginning 1998, profits before and after income taxes reflect inclusion of minority stockholders' interest in net income before and after income taxes. ² 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.

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. See also <<http://www.census.gov/prod/2005pubs/qfr04-q4.pdf>> (released April 2005).

Table 989. Tobacco Products—Summary: 1990 to 2004

[Production data are for calendar years. Excludes cigars produced in customs bonded manufacturing warehouses]

Item	Unit	1990	1995	1998	1999	2000	2001	2002	2003	2004
PRODUCTION										
Cigarettes, total	Billions	710	747	680	607	565	562	532	499	493
Nonfilter tip	Billions	23	15	12	8	7	6	5	6	5
Filter tip	Billions	687	732	669	599	558	556	527	494	487
Cigars	Billions	1.9	2.1	2.8	2.9	2.8	3.7	3.8	4.0	4.4
Tobacco	Mil. lb.	142	131	131	133	133	130	133	137	135
Smoking	Mil. lb.	16	12	13	15	14	13	16	18	16
Chewing tobacco	Mil. lb.	73	63	53	51	49	47	45	43	39
Snuff	Mil. lb.	53	60	66	67	70	70	73	76	79
EXPORTS										
Cigarettes	Bil. Pieces	164.3	231.1	201.3	151.4	147.9	133.9	127.4	121.5	118.7
Cigars	Bil. Cigars	72.0	94.0	93.0	84.0	113.0	124.0	122.7	130.0	171.0
Smoking tobacco	Bil. lb.	0.8	0.3	1.1	1.6	0.5	11.0	7.9	0.7	1.1
IMPORTS										
Cigarettes	Bil. Pieces	1.4	3.0	4.3	8.7	11.3	14.7	20.8	23.1	22.7
Cigars	Bil. Cigars	111.0	195.0	582.3	463.4	497.0	543.4	413.5	508.0	616.0
Smoking tobacco	Bil. lb.	2.9	4.2	4.3	4.3	4.2	1.9	2.1	2.1	1.7
CONSUMPTION										
Consumption per person ²	Lb. ³	5.6	4.7	4.5	4.2	4.1	4.1	4.2	3.9	3.8
Cigarettes	1,000	2.8	2.5	2.3	2.1	2.1	2.0	2.0	1.8	1.8
EXPENDITURES										
Consumer expenditures, total	Bil. dol.	43.8	48.7	57.3	72.1	77.5	82.9	88.2	86.7	86.1
Cigarettes	Bil. dol.	41.6	45.8	53.2	68.3	72.9	77.8	82.8	81.1	80.0
Cigars	Bil. dol.	0.7	1.0	1.6	1.8	1.8	2.1	2.2	2.5	2.7
Other	Bil. dol.	1.5	2.5	2.4	2.7	2.7	3.0	3.1	3.2	3.4

¹ Smoking and chewing tobaccos and snuff output. ² Based on estimated population, 18 years old and over, as of July 1, including Armed Forces abroad. ³ 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/reports/erssor/specialty/tbs-bb/2005/tbs258.pdf> (released 15 April 2005).

Table 990. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1990 to 2003

[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 ¹		Synthetic ²			
						Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use		
Total:											
1990	14,011	4,699	33.5	185	1.3	9,127	65.1	599.0	4.3	8,528.0	60.9
1995	16,815	5,508	32.8	184	1.1	11,123	66.1	540.2	3.2	10,582.5	62.9
2000	17,904	5,128	28.6	132	0.7	12,645	70.6	304.9	1.7	12,340.2	68.9
2001	16,231	4,619	28.5	116	0.7	11,496	70.8	282.1	1.7	11,214.2	69.1
2002	15,715	4,102	26.1	96	0.6	11,518	73.3	250.3	1.6	11,267.7	71.7
2003	14,816	3,512	23.7	99	0.7	11,205	75.6	225.0	1.5	10,980.3	74.1
Apparel:											
1990	5,204	2,897	55.7	118	2.3	2,189	42.1	287.0	5.5	1,902.0	36.5
1995	6,877	3,640	52.9	132	1.9	3,106	45.2	305.6	4.4	2,799.9	40.7
2000	6,039	3,089	51.2	79	1.3	2,871	47.5	153.9	2.5	2,717.2	45.0
2001	5,335	2,648	49.6	73	1.4	2,613	49.0	134.7	2.5	2,478.6	46.5
2002	4,733	2,232	47.2	64	1.4	2,437	51.5	112.8	2.4	2,324.5	49.1
2003	4,133	1,912	46.3	65	1.6	2,157	52.2	93.2	2.3	2,063.6	49.9
Home textiles:											
1990	2,235	1,325	59.3	14	0.6	896	40.1	104.0	4.7	792.0	35.4
1995	2,530	1,487	58.8	12	0.5	1,030	40.7	93.2	3.7	936.7	37.0
2000	2,862	1,644	57.4	15	0.5	1,203	42.0	61.2	2.1	1,142.1	39.9
2001	2,678	1,587	59.3	13	0.5	1,079	40.3	56.3	2.1	1,022.3	38.2
2002	2,504	1,492	59.6	10	0.4	1,002	40.0	49.2	2.0	952.6	38.0
2003	2,173	1,278	58.8	12	0.6	883	40.6	43.0	2.0	839.9	38.7
Floor coverings:											
1990	3,075	18	0.6	21	0.7	3,036	98.7	-	-	3,036.0	98.7
1995	3,731	25	0.7	25	0.7	3,681	98.7	0.1	-	3,680.6	98.7
2000	4,519	31	0.7	25	0.6	4,464	98.8	-	-	4,463.5	98.8
2001	4,059	30	0.7	20	0.5	4,009	98.8	-	-	4,008.7	98.8
2002	4,261	30	0.7	14	0.3	4,218	99.0	-	-	4,217.8	99.0
2003	4,377	29	0.7	14	0.3	4,334	99.0	-	-	4,333.8	99.0
Industrial:³											
1990	2,965	313	10.6	10	0.3	2,642	89.1	179.0	6.0	2,463.0	83.1
1995	3,677	355	9.7	15	0.4	3,307	89.9	141.3	3.8	3,165.3	86.1
2000	4,484	364	8.1	13	0.3	4,107	91.6	89.8	2.0	4,017.4	89.6
2001	4,160	354	8.5	10	0.2	3,796	91.3	91.1	2.2	3,704.6	89.1
2002	4,216	347	8.2	8	0.2	3,861	91.6	88.3	2.1	3,772.8	89.5
2003	4,133	293	7.1	8	0.2	3,832	92.7	88.8	2.1	3,743.0	90.6

- Represents or rounds to zero. ¹ Rayon and acetate. ² Nylon, polyester, acrylic, and olefin. ³ Includes consumer-type products.

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

Table 991. Broadwoven and Knit Fabrics—Shipments and Foreign Trade: 2003

[2,422,538 represents 2,422,538,000. 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 ¹ (\$1,000)		Quantity	Value (\$1,000)	
BROADWOVEN FABRICS (quantity 1,000 sq. meters)							
Cotton fabrics ²	2,422,538	1,589,724	1,647,063	65.6	541,690	1,053,648	22.4
Manmade fiber fabrics	7,001,405	1,088,511	1,228,537	15.5	543,766	1,133,688	7.8
Silk fabrics (D)		42,595	253,384	(D)	3,707	22,748	(D)
Wool fabrics	19,205	25,093	181,045	130.7	9,994	49,577	52.0
KNIT FABRICS (quantity in 1,000 kilograms)							
Total	497,035	238,753	1,391,524	48.0	188,824	1,175,425	38.0
Pile fabrics	34,125	19,619	162,858	57.5	37,259	218,826	109.2
Elastic fabric	24,073	40,936	390,658	(S)	38,943	389,752	161.8
Other warp knit fabrics	51,467	12,049	72,275	23.4	21,860	134,479	42.5
Other narrow knit fabrics	9,802	3,382	20,943	34.5	1,147	12,393	11.7
Other knit fabrics	377,568	162,767	744,790	43.1	89,615	419,975	23.7

D Data withheld to avoid disclosing figures for individual companies. ¹ Dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. ² Includes all cotton and chiefly cotton mixed with manmade fiber.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MQ313 and MA313K, annual. See also <<http://www.census.gov/industry/1/mq313t035.pdf>> (issued May 2004) and <<http://www.census.gov/industry/1/ma313k03.pdf>> (issued September 2004).

Table 992. Footwear—Production, Foreign Trade, and Apparent Consumption: 2002

[Quantity in thousands of pairs (38,248 represents 38,248,000 pairs), value in thousands of dollars (298,025 represents 298,025,000)]

Product description	Manufacturers' shipments (quantity)	Exports of domestic merchandise		Percent exports to domestic production	Imports for consumption		Apparent consumption (quantity)	Percent imports to apparent consumption
		Quantity	Value		Quantity	Value		
Total	38,248	25,251	298,025	66.0	1,214,261	13,409,050	1,227,258	98.9
Rubber or plastic uppers and rubber or plastic	3,484	8,426	100,546	241.8	517,768	2,814,299	512,826	101.0
Waterproof (D)	(D)	905	8,664	(D)	12,972	75,854	(D)	(D)
Not waterproof (D)	(D)	7,521	91,882	(D)	504,796	2,738,445	(D)	(D)
Leather uppers	18,401	7,187	146,901	39.1	696,493	9,296,097	707,707	98.4
Athletic	1,217	4,000	70,942	328.7	533,513	6,077,663	530,730	100.5
Leather soles	5,204	1,717	46,455	33.0	44,518	1,217,348	48,005	92.7
Other soles	11,980	1,464	29,504	12.2	118,462	2,001,086	128,978	91.8
Fabric uppers	16,363	9,638	50,578	58.9	339,272	1,298,654	345,997	98.1

D Data withheld to avoid disclosing figures for individual companies

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA316A, annual. See also <<http://www.census.gov/industry/1/ma316a03.pdf>> (released October 2004).

Table 993. Pharmaceutical Preparations—Value of Shipments: 1990 to 2003

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

Product description	NAICS product code ¹	1990	1995	2000	2001	2002	2003
		Pharmaceutical preparations, except biologicals	(X)	33,954	48,864	79,262	90,182
Affecting neoplasms, endocrine systems, and metabolic disease	3254121100	2,743	4,076	9,784	14,819	17,499	20,077
Acting on the central nervous system and sense organs	3254124100	7,219	9,228	18,508	18,975	24,345	24,705
Acting on the cardiovascular system	3254127100	4,815	5,988	8,993	9,798	10,339	9,644
Acting on the respiratory system	325412A100	3,724	5,196	10,179	11,692	12,504	11,202
Acting on the digestive system	325412D100	4,840	8,593	10,046	12,616	13,373	14,112
Acting on the skin	325412G100	1,558	2,171	2,941	2,708	2,844	2,943
Vitamin, nutrient, and hematonic preps.	325412L100	2,588	4,812	5,676	5,884	6,029	6,878
Affecting parasitic and infective disease	325412P100	5,411	7,196	11,037	11,193	11,337	11,544
Pharmaceutical preps. for veterinary use	325412T100	1,057	1,605	2,096	2,497	2,471	2,653

X Not applicable. ¹ 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/ma325g03.pdf>> (released November 2004).

Table 994. Inorganic Chemicals and Fertilizers—Production: 1995 to 2003

[17,402 represents 17,402,000]

Product description	Unit	1995	1999	2000	2001	2002	2003
INORGANIC FERTILIZERS							
Ammonia, synthetic anhydrous	1,000 sh. tons	17,402	17,337	15,809	12,227	13,863	11,539
Ammonium nitrate, original solution	1,000 sh. tons	8,489	7,630	7,979	6,431	7,096	6,321
Ammonium sulfate	1,000 sh. tons	2,647	2,875	2,808	2,588	2,945	2,871
Urea (100%)	1,000 sh. tons	8,117	8,907	7,682	6,702	7,758	6,375
Nitric acid (100%)	1,000 sh. tons	8,839	8,945	8,708	7,074	7,651	7,493
Phosphoric acid (100% P2O5)	1,000 sh. tons	13,134	13,708	12,492	11,546	12,289	12,485
Sulfuric acid, gross (100%)	1,000 sh. tons	47,519	44,756	43,643	40,064	39,760	41,205
Superphosphates and other fertilizer materials (100% P2O5)	1,000 sh. tons	10,364	9,133	8,899	8,109	8,756	8,895
INORGANIC CHEMICALS							
Chlorine gas	1,000 metric tons	12,395	12,114	14,000	11,489	11,438	10,361
Sodium hydroxide, total liquid	1,000 metric tons	11,408	11,974	11,523	9,813	9,461	8,796
Potassium hydroxide liquid	(D)	430	539	465	470	471	471
Finished sodium bicarbonate	1,000 metric tons	520	505	536	513	535	540
Titanium dioxide, composite and pure	1,000 metric tons	1,382	1,355	1,547	1,327	1,409	1,422
Hydrochloric acid	1,000 metric tons	3,904	4,191	4,717	3,970	4,028	4,181
Aluminum oxide	1,000 metric tons	4,764	4,016	(D)	2,863	(D)	(D)
Aluminum sulfate (commercial)	1,000 metric tons	1,144	1,052	1,076	1,020	1,054	961
Sodium chlorate	1,000 metric tons	617	742	940	792	721	669
Sodium phosphate tripoly	1,000 metric tons	(D)	(D)	(D)	(D)	(D)	(D)
Sodium silicates ¹	1,000 metric tons	1,203	992	1,136	1,070	1,054	1,074
Sodium metasilicates	1,000 metric tons	93	63	72	63	58	61
Sodium sulfate	1,000 metric tons	(D)	599	509	76	74	88
Carbon activated ²	1,000 metric tons	156	151	166	(S)	(D)	143
Hydrogen peroxide	1,000 metric tons	355	342	1,083	(S)	(S)	(S)
Phosphorous, oxychloride and trichloride	1,000 metric tons	226	163	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. S Does not meet publication standards. ¹ Other than metasilicates. ² Granular and pulverized.

Source: U.S. Census Bureau, Current Industrial Reports, Series MAQ325A, and MA325B, annual. See also <<http://www.census.gov/industry/1/mq325a035.pdf>> (released December 2004) and <<http://www.census.gov/industry/1/mq325b035.pdf>> (released December 2004).

Table 995. Aluminum—Supply, Shipments, and Foreign Trade: 1990 to 2004

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

Item	1990	1995	1999	2000	2001	2002	2003	2004
SUPPLY								
Aluminum supply, total	17,334	20,425	24,590	23,586	20,071	21,118	21,147	22,278
Primary production	8,925	7,441	8,330	8,087	5,812	5,964	5,962	5,549
Recovery from scrap	5,276	7,028	8,146	7,606	6,572	6,452	6,216	6,665
Imports of ingot and mill products	3,133	5,956	8,113	7,893	7,687	8,702	8,969	10,064
Aluminum net shipments, total¹	17,188	21,019	24,673	24,496	22,519	23,601	23,393	24,820
PRODUCT								
Mill products, total	13,013	15,716	17,989	17,676	15,467	15,715	15,675	17,109
Sheet, plate, and foil	9,297	11,168	12,437	12,116	10,376	10,573	10,561	11,481
Rod, bar, and wire	370	534	670	690	571	172	139	141
Electrical conductor	542	566	676	681	676	705	694	771
Extruded shapes and tube	2,546	3,102	3,817	3,792	3,482	3,903	3,944	4,355
Powder and paste	106	108	130	142	142	142	146	146
Forgings and impacts	152	238	259	255	220	220	191	215
Ingot for castings and other ²	4,175	5,303	6,684	6,820	7,052	7,886	7,718	7,711
MARKET								
Domestic, total	14,637	18,152	21,707	21,680	20,531	21,245	21,385	22,900
Building and construction	2,663	2,679	3,237	3,204	3,297	3,447	3,442	3,702
Transportation	3,205	5,749	7,938	7,947	7,035	7,516	7,757	8,465
Consumer durables	1,122	1,369	1,675	1,692	1,502	1,592	1,518	1,609
Electrical	1,309	1,395	1,646	1,704	1,513	1,493	1,439	1,593
Machinery and equipment	992	1,257	1,458	1,496	1,414	1,359	1,439	1,611
Containers and packaging	4,772	5,088	5,106	4,992	4,961	4,979	4,941	5,088
Other	574	615	647	645	809	859	849	832
Exports	2,551	2,867	2,967	2,816	1,988	2,356	2,008	1,920
FOREIGN TRADE³								
Exports	3,753	3,846	3,865	4,097	3,712	3,729	3,662	4,410
Imports	3,718	6,910	9,506	9,357	8,853	9,680	9,885	11,222

¹ Data presented on this report have been adjusted to represent total U.S. producer's shipments and inventories plus imports by consumers. ² Net ingot for foundry castings, export and destructive uses. ³ U.S. imports and exports of aluminum ingot, mill products and scrap.

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

Table 996. Iron and Steel Industry—Summary: 1990 to 2002

[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	1999	2000	2001	2002, final	2003, final	2004
Steel mill products, apparent supply	Mil. tons ¹	95.5	109.6	127.9	131.9	116.4	117.8	116.1	131.8
Net shipments	Mil. tons ¹	85.0	97.5	106.2	109.1	98.9	100.0	106.0	111.4
Exports	Mil. tons ¹	4.3	7.1	5.4	6.5	6.1	6.0	8.2	7.9
Imports	Mil. tons ¹	17.2	24.4	31.2	29.4	30.1	32.6	23.1	35.8
Scrap consumed	Mil. tons ¹	50.1	62.0	62.0	65.0	63.0	62.0	61.8	57.3
Scrap inventory	Mil. tons ¹	3.6	4.1	5.3	5.3	4.9	4.2	4.5	4.8
Iron and steel products: Exports	Mil. tons ¹	5.3	8.2	6.7	7.7	7.2	7.0	9.3	9.6
Imports	Mil. tons ¹	21.9	27.3	40.2	42.6	34.4	37.3	27.9	41.2
Capacity by steelmaking process	Mil. net tons	116.7	112.4	128.2	130.3	125.5	113.7	121.6	116.1
Revenue	Bil. dol.	30.9	35.1	36.3	38.8	31.0	31.6	34.3	51.1
Net income	Bil. dol.	0.1	1.5	-0.5	-1.1	-3.9	-1.3	-6.9	4.4
Stockholders' equity	Bil. dol.	4.3	8.6	11.8	9.9	5.5	1.4	-5.0	11.2
Total assets	Bil. dol.	28.3	35.1	43.7	43.9	38.1	34.1	29.8	37.3
Capital expenditures	Bil. dol.	2.6	2.5	2.8	2.1	1.1	1.1	2.1	1.6
Working capital ratio ²	Ratio.	1.6	1.5	1.7	1.7	1.6	1.3	0.9	2.1
Inventories	Bil. dol.	4.7	5.1	6.5	6.8	5.7	5.5	4.9	6.5
Average employment	1,000	169.0	122.6	102.2	99.5	88.0	74.4	42.5	39.7
Hours worked	Million	350.0	269.2	222.7	219.7	186.4	157.1	90.6	87.8
Index of output, all employees ³	1997 = 100	106.5	89.7	106.5	108.5	106.7	(NA)	(NA)	(NA)

NA Not available. ¹ In millions of short tons. ² Current assets to current liabilities. ³ NAICS code 3311. Output per hour. Source: U.S. Bureau of Labor Statistics, Internet site <http://stats.bls.gov/phome.htm>. Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

Table 997. Steel Products—Net Shipments by Market Classes: 1990 to 2002

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

Market class	1990	1995	1999	2000	2001	2002	2003	2004
Net shipments, total ¹	84,981	97,494	106,201	109,050	99,448	100,000	105,974	111,385
Automotive	11,100	14,622	16,771	16,063	14,059	13,998	15,883	13,858
Steel service centers, distributors	21,111	23,751	28,089	30,108	27,072	27,473	28,551	34,667
Construction, incl. maintenance ²	9,245	14,892	18,428	20,290	21,543	20,536	23,787	23,810
Containers, packaging, shipping	4,474	4,139	3,842	3,708	3,292	3,237	3,082	2,592
Machinery, industrial equipment, tools	2,388	2,310	1,722	1,784	1,456	1,402	1,178	1,853
Steel for converting and processing	9,441	10,440	11,309	12,708	10,311	9,710	9,448	8,151
Rail transportation	1,080	1,373	1,031	1,307	981	1,042	938	1,185
Contractors' products	2,870	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Oil and gas industries	1,892	2,643	2,151	2,885	2,953	2,098	2,112	2,487
Electrical equipment	2,453	2,397	2,267	2,055	1,684	1,341	1,099	2,026
Appliances, utensils, and cutlery	1,540	1,589	1,789	1,907	1,820	1,714	2,018	919

¹ Includes nonclassified shipments and other classes not shown separately. ² Beginning 1994, contractors' products included with construction. Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

Table 998. Metalworking Machinery—Value of Shipments: 1990 to 2003

[In millions of dollars (3,426.1 represents \$3,426,100,000)]

Product	NAICS product code	1990	1995	1999	2000	2001	2002	2003
Metalworking machinery	(X)	3,426.1	4,547.1	3,783.3	3,632.4	2,987.6	2,002.1	1,965.7
Metal cutting type ¹	(X)	2,371.3	3,036.6	2,512.6	2,552.4	2,163.7	1,418.7	1,399.2
Boring machines	333512A1	(²)	172.4	53.8	87.2	124.8	128.3	76.6
Drilling machines ²	333512A1	184.1	78.9	50.6	23.7	22.6	17.1	52.7
Gear cutting machines	33351211	102.7	137.1	132.0	180.6	137.2	111.0	287.1
Grinding and polishing machines	33351221	433.6	549.6	477.1	454.3	367.7	210.7	168.6
Lathes ³	33351231	355.6	478.0	297.4	287.0	262.0	132.4	119.5
Milling machines ⁴	33351241	214.3	194.8	200.5	150.5	137.8	56.1	39.3
Machining centers ⁵	33351271	437.0	698.8	597.9	629.7	435.5	273.6	318.3
Station type machines	33351281	502.1	477.0	407.1	401.8	347.9	169.9	(D)
Other metal cutting machine tools ⁶	33351291	141.9	246.2	291.7	333.2	276.4	238.3	250.1
Remanufactured tools	3335126111	(NA)	(NA)	(NA)	(NA)	49.2	50.4	42.4
Metal forming type	(X)	1,080.2	1,510.5	1,270.7	1,080.0	823.9	583.4	566.5
Punching and shearing machines	33351311 pt.	200.1	326.3	220.0	203.8	155.3	105.9	103.1
Bending and forming machines	33351311 pt.	222.9	256.9	265.8	262.4	202.6	141.3	132.5
Presses, except forging	33351331	308.3	379.2	433.7	303.1	180.3	140.1	120.9
Forging machines ⁷	33351351 pt.	73.9	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming ⁷	33351351 pt.	275.0	548.1	351.2	310.7	275.8	187.4	169.1

D Data withheld to avoid disclosure. X Not applicable. ¹ 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. ² For 1990, data for "Boring machines" were combined with "Drilling machines" to avoid disclosing individual company data. ³ Beginning 1995, product code 33351230, "Lathes," excludes the value for product code 3335123031, "All lathes valued under \$3,025 each." ⁴ Beginning 1995, product code 33351240, "Milling machines," excludes the value for product code 3335124001, "All milling machines valued under \$3,025 each." ⁵ Multi-function numerically controlled machines. ⁶ Excludes those designed primarily for home workshops, labs, etc. ⁷ 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/mq333w025.pdf> (released July 2004).

Table 999. **U.S. Machine Tool Consumption—Gross New Orders and Exports: 2003 and 2004**

[The complete publication including this copyright table is available for sale from the U.S. Government Printing Office and the National Technical Information Service]

Table 1000. **Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 2003**

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

Class of product	NAICS product code ¹	1990	1995	2000	2001	2002	2003
Total	(X)	56,301	118,906	164,854	118,868	104,897	103,001
Transmittal, industrial, and special-purpose electron tubes (except x-ray)	3344111	1,097	855	703	700	584	631
Electron tubes, receiving type	(X)	24	(²)	(²)	(²)	(²)	(²)
Receiving type electron tubes and cathode ray picture tubes	3344114	1,344	² 2,907	² 3,458	² 2,847	² 2,486	² 1,459
Electron tube parts	3344117	143	120	144	125	91	75
Printed circuit boards	3344120	7,175	8,367	11,892	8,911	5,764	5,005
Integrated microcircuits (semiconductor networks)	3344131	16,623	48,438	73,664	46,337	49,726	54,588
Transistors	3344134	682	943	1,569	913	818	649
Diodes and rectifiers	3344137	668	1,067	621	403	370	392
Other semiconductor devices	334413A	5,741	12,639	9,757	7,632	6,632	6,534
Capacitors for electronic applications	3344140	1,392	1,785	2,786	1,734	1,338	1,199
Resistors	3344150	800	953	982	776	653	648
Coils, transformers, reactors, and chokes for electronic applications	3344160	976	1,412	1,719	1,362	1,153	964
Coaxial connectors	3344171	420	732	805	506	464	430
Cylindrical connectors	3344174	514	553	725	688	528	563
Rack and panel connectors	3344177	500	541	532	359	264	274
Printed circuit connectors	334417A	805	1,026	1,811	1,147	776	818
Other connectors including parts	334417D	1,085	1,402	2,059	2,052	1,436	1,415
Filters (except microwave) and piezoelectric devices	3344191	457	729	1,168	984	726	585
Transducers, electrical/electronic input or output	3344194	741	1,111	1,519	1,331	1,203	1,247
Switches, mechanical types for electronic circuitry	3344197	579	666	903	828	836	769
Printed circuit assemblies	334418B	8,269	24,448	37,273	31,214	23,171	19,231
Microwave components and devices	334419A	1,369	1,233	2,435	1,848	1,511	1,396
All other electronic components n.e.c.	334419D	4,898	6,978	8,332	6,173	4,366	4,131

X Not applicable. ¹ North American Industry Classification System, 1997; see text, Section 15. ² 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/ma334q03.pdf>> (released December 2004).

Table 1001. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 2003

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

Selected products	1990	1995	1999	2000	2001	2002	2003
Electronic computers ¹	25,630	49,038	64,696	62,857	48,541	40,448	38,461
Host computers (multi-users)	(NA)	(NA)	21,089	22,877	16,469	13,053	12,106
Single user computers	(NA)	(NA)	42,765	38,981	31,492	26,586	25,470
Other computers	(NA)	(NA)	(D)	998	581	809	886
Loaded computer processor boards and board subassemblies ²	2,247	24,448	30,091	37,273	31,214	23,171	19,231
Computer storage devices & equipment	7,488	7,903	9,827	8,995	7,319	5,027	5,121
Parts for computer storage devices & subassemblies	955	2,236	2,254	1,692	1,699	1,578	1,129
Computer terminals	2,067	1,086	541	415	361	266	257
Computer peripheral equipment, n.e.c.	7,697	12,331	12,889	12,434	10,637	10,460	9,387
Parts for input/output equipment	3,706	2,391	2,388	2,766	2,360	1,905	1,833
Calculating and accounting machines	(D)	1,279	1,196	1,210	1,191	845	920
Magnetic and optical recording media	3,695	5,106	3,907	3,206	2,228	2,207	2,135

NA Not available. D Withheld to avoid disclosing data for individual companies. ¹ Beginning 1998, computer industry data are not entirely comparable to previous years. ² 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.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <<http://www.census.gov/industry/1/ma334r03.pdf>>. (released December 2004).

Table 1002. Computers and Office and Accounting Machines—Shipments: 2002 and 2003

[Quantity in thousands of units (21,252 represents 21,252,000, value in millions of dollars (40,448.3 represents \$40,448,300,000)]

Product	Number of companies, 2003	Quantity (1,000)		Value (mil. dol.)	
		2002	2003	2002	2003
Electronic computers (automatic data processors)	111	21,252	23,183	40,448.3	38,461.0
Host computers (multi-users):					
Large scale systems and unix servers	12	127	175	3,196.7	3,010.8
Medium-scale systems and unix servers	17	285	(D)	6,703.8	(D)
PC servers	21	(D)	1,111	(D)	8,946.2
Other host computers	8	(D)	(D)	(D)	(D)
Single user computers:					
Personal computers	29	14,138	14,950	16,030.2	14,708.4
Workstations	35	1,186	1,309	2,407.4	2,288.0
Laptops (AC/DC)	8	8	9	23.4	24.9
Notebooks, subnotebooks (battery operated)	13	4,491	5,107	7,850.2	8,161.2
Personal digital assistants	5	(D)	(D)	(D)	(D)
Other portable computers	4	(D)	(D)	(D)	(D)
Other single user computers	5	317	316	274.8	287.1
Other computers	28	112	175	809.1	885.7
Computer storage devices and equipment	51	(X)	(X)	5,026.9	5,121.5
Parts for computer storage devices and subassemblies	16	(X)	(X)	1,578.0	1,129.5
Computer terminals	24	(X)	(X)	266.1	256.9
Computer peripheral equipment, n.e.c. ¹	185	(X)	(X)	10,460.4	9,386.6
Keyboards	21	(D)	1,100	(D)	46.4
Computer printers:					
Laser	22	2,327	2,040	1,853.7	1,998.4
Inkjet	8	(D)	(D)	(D)	(D)
Calculating and accounting machines	34	(X)	(X)	844.6	920.2
Printed circuit assemblies	618	(X)	(X)	23,170.8	19,231.0
Magnetic and optical recording media	34	(X)	(X)	2,207.3	2,135.2

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

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <<http://www.census.gov/industry/1/ma334r03.pdf>>. (released December 2004).

**Table 1003. Consumer Electronics and Electronic Components—
Factory Sales by Product Category: 1990 to 2004**

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

Product category	1990	1995	2000	2001	2002	2003	2004
Total ¹	43,033	67,905	96,943	94,211	95,793	102,611	113,545
Video products, total	12,440	15,376	17,927	16,607	18,506	19,267	21,654
Analog direct-view color TV	6,197	6,798	6,503	5,130	5,782	4,756	3,505
Analog projection TV	626	1,417	1,481	1,060	733	293	85
Monochrome TV	99	34	15	15	12	9	5
Digital direct-view and projection TV	(NA)	(NA)	1,355	2,485	3,574	4,351	6,099
LCD TV	83	75	64	62	246	664	2,022
Plasma TV	(NA)	(NA)	(NA)	116	515	1,590	2,518
TV Combinations	178	723	1,292	790	733	778	665
Videocassette players	65	59	14	5	4	2	2
VCR decks	2,439	2,767	1,869	1,058	826	407	134
Camcorders	2,260	2,130	2,838	2,236	2,361	2,002	1,701
Direct-to-home satellite	421	1,265	790	1,175	1,116	1,476	1,886
Personal video recorders	(NA)	(NA)	77	144	57	178	541
Digital versatile disc players (DVD)	(NA)	(NA)	1,717	2,097	2,427	3,050	(NA)
Home and portable products, total	5,210	6,378	6,323	5,726	5,111	4,779	5,531
Compact audio systems	1,270	1,162	1,776	1,357	965	731	900
Separate audio components	1,935	1,911	1,545	1,261	1,202	981	1,140
Home radios	360	284	351	326	300	318	334
Portable audio equipment	1,645	2,506	2,156	1,846	1,526	1,355	980
Portable MP3 players	(NA)	(NA)	80	100	205	424	1,204
Mobile electronics, total	5,733	11,422	17,071	16,799	16,189	17,184	19,006
Aftermarket autosound equipment	1,192	1,931	2,169	2,098	2,211	2,090	2,210
Mobile video and navigation	(NA)	(NA)	386	436	586	580	782
Factory installed autosound	3,100	3,100	2,700	2,850	2,950	3,245	3,569
Wireless (cellular) telephones	1,133	2,574	8,995	8,651	8,106	9,163	10,538
Pagers	118	300	750	790	810	729	675
Family Radio Services (FRS)	(NA)	(NA)	418	461	251	235	201
Vehicle security	190	142	218	266	265	260	255
PDAs	(NA)	(NA)	1,265	1,077	875	759	657
Home office products, total	11,021	24,140	36,854	34,924	33,505	38,282	41,433
Cordless telephones	842	1,141	1,562	1,960	1,261	1,268	1,157
Corded telephones	638	557	386	294	266	256	264
Telephone answering devices	827	1,077	984	1,062	1,060	1,210	1,302
Caller ID devices	(NA)	(NA)	54	35	20	12	14
Home computers	4,187	12,600	16,400	12,960	12,609	15,584	17,201
Computer printers	(NA)	2,430	5,116	5,245	4,829	4,734	5,019
Modems/fax modems	(NA)	770	1,564	1,564	1,445	1,419	1,386
Computer peripherals	1,980	816	1,950	2,150	2,256	2,707	3,032
Computer software (incl. CDROM)	971	2,500	4,480	5,062	4,961	5,060	5,162
Home fax machines	920	919	386	349	297	242	160
Digital cameras	(NA)	(NA)	1,825	1,972	2,794	3,921	4,516
Electronic gaming, total	3,375	4,500	8,550	9,689	10,848	10,253	10,970
Electronic gaming hardware	975	1,500	2,700	3,250	3,750	3,188	3,162
Electronic gaming software	2,400	3,000	5,850	6,439	7,098	7,065	7,808
Blank media, total	1,638	1,415	2,169	2,679	3,210	3,750	5,255
Blank audio cassettes	376	334	162	129	98	77	66
Blank videocassettes	948	708	351	357	602	527	433
Blank computer media	314	373	1,200	1,550	1,600	1,800	1,692
Flash media	(NA)	(NA)	456	643	910	1,346	3,064
Accessories and batteries, total	2,176	3,544	6,299	5,968	6,460	7,041	7,545
Electronic accessories	793	944	1,356	1,378	1,500	1,635	1,815
Batteries	1,383	2,600	4,943	4,590	4,960	5,406	5,730
Home security systems	1,440	1,130	1,750	1,820	1,965	2,055	2,150

NA Not available. ¹ Includes categories, not shown separately.

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

Table 1004. Communication Equipment—Value of Shipments: 1990 to 2003

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

Product description	NAICS product code ¹	1990	1995	2000	2001	2002	2003
Total	(X)	36,990	56,362	104,389	93,803	62,212	56,755
Telephone switching and switchboard equipment	3342101	7,537	8,178	15,174	12,188	7,437	4,921
Carrier line equipment and modems	3342104	5,014	5,869	13,112	10,943	4,488	3,048
Other telephone and telegraph equipment and components	3342107	3,181	10,510	28,971	22,841	13,886	12,407
Communication systems and equipment (except broadcast)	3342201	14,768	23,032	36,357	36,501	25,104	25,778
Broadcast, studio, and related electronic equip.	3342203	1,856	2,845	4,029	3,491	3,304	2,880
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346	296	447	451	385	427
Alarm systems	3342901	1,027	1,662	2,755	2,374	2,440	2,254
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	471	711	838	806	928	945
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,209	913	782	1,172	1,168	1,205
Laser sources	3359997	(NA)	788	(S)	1,051	929	832
Ultrasonic equipment	335999A	109	172	272	233	174	195
Other electronic systems and equipment, n.e.c.	335999C	1,473	1,387	1,652	1,752	1,971	1,861

NA Not available. S Does not meet publication standards. ¹ North American Industry Classification System, 1997; see text, Section 15. ² 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/ma334p03.pdf>>. (released December 2004).

Table 1005. Motor Vehicle Manufactures—Summary by Selected Industry: 2003

[Payroll of 49,925 represents \$49,925,000,000. Based on the Annual Survey of Manufactures; see Appendix III]

Industry	NAICS code ¹	All employees ²			Production workers ²	Value of shipments ³ (mil. dol.)
		Number	Payroll			
			Total (mil. dol.)	Per employee (dol.)		
Motor vehicle manufacturing, total.	3361-3363	1,007,422	49,925	49,558	811,017	485,921
Motor vehicle, total.	3361	209,537	14,192	67,730	184,149	259,578
Automobile & light duty motor vehicle	33611	183,033	13,060	71,352	163,554	243,656
Automobile	336111	74,366	5,068	68,146	64,243	85,118
Light truck & utility vehicle.	336112	108,667	7,992	73,546	99,311	158,538
Heavy duty truck.	33612	26,504	1,132	42,718	20,594	15,922
Motor vehicle body & trailer	3362	127,420	4,333	34,003	101,985	25,852
Motor vehicle body & trailer	33621	127,420	4,333	34,003	101,985	25,852
Motor vehicle body	336211	40,391	1,451	35,920	30,785	8,565
Truck trailer	336212	23,716	774	32,628	19,623	4,396
Motor home	336213	21,775	758	34,809	18,019	6,163
Travel trailer & camper.	336214	41,538	1,350	32,502	33,559	6,728
Motor vehicle parts	3363	670,465	31,401	46,834	524,883	200,491
Motor vehicle gasoline engine & engine parts.	33631	87,365	4,620	52,887	68,302	34,546
Motor vehicle electrical & electronic equipment.	33632	92,339	3,903	42,269	67,735	24,923
Motor vehicle steering & suspension equipment.	33633	39,696	1,918	48,313	31,609	10,641
Motor vehicle brake system	33634	41,217	1,604	38,918	32,232	12,975
Motor vehicle transmission & power train parts.	33635	89,281	5,365	60,094	72,770	32,731
Motor vehicle seating & interior trim	33636	54,852	2,165	39,462	41,741	16,850
Motor vehicle metal stamping	33637	106,292	5,753	54,120	86,813	25,155
Other motor vehicle parts	33639	159,422	6,073	38,093	123,682	42,670

¹ North American Industry Classification System, 1997; see text, Section 15. ² 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. ³ Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March and May. ³ 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/prod/2005pubs/am0331gs1.pdf>> (issued March 2005).

Table 1006. Motor Vehicle Manufactures—Employees, Payroll, and Shipments by Major State: 2001

[12,647 represents \$12,647,000,000. Industry based on the North American Industry Classification System (NAICS), 1997; 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.)
United States . . .	213,981	12,647	216,128	123,120	3,807	24,209	736,003	31,501	186,839
Alabama	(D)	(D)	(D)	3,158	94	754	11,531	565	3,315
Arkansas	(NA)	(NA)	(NA)	1,549	35	281	7,522	173	873
California	7,429	416	2,965	11,267	341	4,693	25,824	771	3,849
Florida	(NA)	(NA)	(NA)	3,793	134	806	4,409	124	625
Georgia	7,620	386	8,130	2,977	180	(S)	9,394	273	2,114
Illinois	8,083	481	7,863	3,719	127	649	28,464	930	5,271
Indiana	11,867	618	10,811	24,414	867	4,845	93,487	4,226	22,712
Iowa	(NA)	(NA)	(NA)	8,000	247	1,403	9,169	307	1,633
Kentucky	18,810	1,287	22,470	(NA)	(NA)	(NA)	27,764	934	7,240
Michigan	42,260	2,722	51,873	3,925	113	599	178,681	9,230	52,242
Mississippi	(NA)	(NA)	(NA)	780	22	109	9,718	296	1,673
Missouri	(D)	(D)	(D)	2,049	52	227	19,520	569	4,030
Nebraska	(NA)	(NA)	(NA)	1,109	29	190	3,609	123	668
New York	(NA)	(NA)	(NA)	1,088	32	768	30,232	1,737	8,703
North Carolina	(D)	(D)	(D)	3,714	141	961	18,661	619	4,512
Ohio	29,972	1,784	32,648	4,387	142	809	96,775	4,881	29,924
Oklahoma	(D)	(D)	(D)	4,086	105	691	5,531	165	1,031
Oregon	1,749	60	781	4,635	113	552	2,525	98	500
Pennsylvania	(D)	(D)	(D)	7,243	191	1,118	15,328	581	3,328
South Carolina	6,210	298	4,501	(S)	(S)	(S)	16,109	557	4,570
Tennessee	14,241	840	7,552	1,818	52	381	32,130	1,065	8,098
Texas	(D)	(D)	(D)	5,963	169	800	16,186	468	3,389
Utah	(NA)	(NA)	(NA)	1,085	27	177	5,341	223	2,387
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	6,747	253	1,718
Wisconsin	(D)	(D)	(D)	5,258	188	909	23,387	970	5,412

NA Not available. D Withheld to avoid disclosing data on individual companies. S Does not meet publication standards.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M01(AS)-3. See also <<http://www.census.gov/prod/2003pubs/m01as-3.pdf>> (issued January 2003).

Table 1007. Aerospace—Sales, New Orders, and Backlog: 1990 to 2003

[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	1995	1999	2000	2001	2002	2003
Net sales	136.6	102.8	124.2	109.3	117.1	115.2	116.2
Percent U.S. Government	53.8	50.5	36.3	37.5	38.6	46.1	52.9
Complete aircraft and parts ¹	49.9	42.5	68.0	57.2	58.7	53.9	49.0
Aircraft engines and parts	16.4	12.5	14.4	12.5	15.9	14.8	13.9
Missiles and space vehicles, parts	22.0	18.4	15.7	15.6	15.5	15.6	16.0
Other products, services	48.3	29.4	26.1	24.0	26.9	30.9	37.3
Net, new orders	146.0	109.1	115.3	140.1	122.3	114.8	116.7
Backlog, December 31.	250.1	202.6	188.4	215.0	220.1	222.5	222.9

¹ Except engines sold separately.

Source: U.S. Census Bureau, 1990–1997, *Current Industrial Reports*, Series M37G; thereafter M336G. See also <<http://www.census.gov/industry/1/m336g0313.pdf>> (released June 2005).

Table 1008. Net Orders for U.S. Civil Jet Transport Aircraft: 1990 to 2003

[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	1999	2000	2001	2002	2003	2004
Total number ¹	670	421	346	585	271	174	237	267
U.S. customers	259	138	192	412	49	89	84	23
Foreign customers	411	283	70	193	130	172	185	204
Boeing 737, total	189	189	258	378	184	117	204	142
U.S. customers	38	85	155	302	51	64	74	16
Foreign customers	151	104	45	86	73	127	145	92
Boeing 747, total	153	35	22	24	16	17	4	10
U.S. customers	24	2	1	1	7	-	-	1
Foreign customers	129	33	19	18	13	13	9	10
Boeing 757, total	66	-7	18	43	23	-	-	-
U.S. customers	33	-6	7	38	15	2	-7	-
Foreign customers	33	-1	2	14	6	-	6	-
Boeing 767, total	60	26	32	6	32	-2	10	9
U.S. customers	23	4	21	-2	-1	-	-	-
Foreign customers	37	22	1	14	9	12	15	1
Boeing 777, total	34	83	21	113	30	26	12	42
U.S. customers	34	-	8	60	-	-1	11	-
Foreign customers	-	83	8	53	20	27	8	43
Boeing 787, total	-	-	-	-	-	-	-	56
U.S. customers	-	-	-	-	-	-	-	-
Foreign customers	-	-	-	-	-	-	-	56
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	-20	-	-	-	-	-
U.S. customers	91	-	-	-	-	-	-	-
Foreign customers	25	51	-20	-	-	-	-	-
McDonnell Douglas MD-95, total	-	50	15	21	-14	16	8	8
U.S. customers	-	50	-	13	-23	23	6	6
Foreign customers	-	-	15	8	9	-7	2	2

- Represents zero. ¹ 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 1009. U.S. Aircraft Shipments, 1980 to 2003, and Projections, 2004

[Value in millions of dollars (18,929 represents \$18,929,000,000)]

Year	Total		Civil						Military	
	Units	Value	Large transports		General aviation ¹		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1980	14,677	18,929	387	9,895	11,877	2,486	1,366	656	1,047	5,892
1985	3,610	27,269	278	8,448	2,029	1,431	384	506	919	16,884
1990	3,321	38,585	521	22,215	1,144	2,007	603	254	1,053	14,109
1991	3,092	44,657	589	26,856	1,021	1,968	571	211	911	15,622
1992	2,585	47,397	567	28,750	941	1,840	324	142	753	16,665
1993	2,585	41,166	408	24,133	964	2,144	258	113	955	14,776
1994	2,309	36,568	309	18,124	928	2,357	308	185	764	15,902
1995	2,436	33,658	256	15,263	1,077	2,842	292	194	811	15,359
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	77,586	526	34,155	2,616	7,991	415	247	345	35,193
2002	3,248	72,850	379	27,547	2,196	7,261	318	157	355	37,885
2003	3,238	66,571	281	20,500	2,080	6,205	517	366	360	39,500
2004, proj.	(NA)	(NA)	285	20,000	2,050	6,180	545	400	(NA)	(NA)

NA Not available. ¹ Excludes off-the-shelf military aircraft.

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

Table 1010. Aerospace Industry Sales by Product Group and Customer: 1990 to 2005

[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 1007]

Product group and customer	1990	1995	1998	1999	2000	2001	2002	2003	2004 ¹	2005 ²
Current dollars										
Total sales	134.4	107.8	148.0	153.7	144.7	154.2	153.4	147.1	160.7	172.8
Product group:										
Aircraft, total	71.4	55.0	84.0	88.7	81.6	86.4	80.2	73.2	80.8	87.0
Civil ⁴	31.3	24.0	49.7	52.9	47.6	51.3	42.3	33.7	34.6	38.7
Military	40.1	31.1	34.3	35.8	34.0	35.2	37.9	39.5	46.2	48.3
Missiles	14.2	7.4	7.7	8.8	9.3	10.4	12.7	12.9	14.8	16.0
Space	26.4	27.4	31.6	30.5	29.7	31.7	35.0	35.1	38.3	40.9
Related products and services ⁵	22.4	18.0	24.7	25.6	24.1	25.7	25.6	25.9	26.8	28.8
Customer group:										
Aerospace, total	112.0	89.8	123.3	128.1	120.6	128.5	127.8	121.2	133.9	144.0
DOD ⁶	60.5	42.4	42.9	45.7	47.5	50.1	57.0	59.1	71.4	76.3
NASA ⁷ and other agencies	11.1	11.4	13.3	13.4	13.4	14.5	16.4	16.5	16.1	17.6
Other customers ⁸	40.4	36.0	67.0	69.0	59.7	63.9	54.5	45.6	46.4	50.1
Related products and services ⁵	22.4	18.0	24.7	25.6	24.1	25.7	25.6	25.9	26.8	28.8
Constant (1987)dollars ³										
Total sales	123.7	86.6	115.2	118.8	108.6	112.6	110.7	104.2	108.9	113.7
Product group:										
Aircraft, total	65.7	44.2	65.3	68.6	61.2	63.1	57.8	51.8	54.7	57.3
Civil ⁴	28.8	19.2	38.7	40.9	35.7	37.4	30.5	23.9	23.4	25.5
Military	36.9	25.0	26.7	27.7	25.5	25.7	27.3	28.0	31.3	31.8
Missiles	13.1	5.9	6.0	6.8	7.0	7.6	9.1	9.1	10.0	10.5
Space	24.4	22.0	24.6	23.6	22.3	23.1	25.2	24.9	25.9	26.9
Related products and services ⁵	20.6	14.4	19.2	19.8	18.1	18.8	18.4	18.3	18.1	18.9
Customer group:										
Aerospace, total	103.1	72.1	96.0	99.0	90.5	93.9	92.2	85.8	90.7	94.7
DOD ⁶	55.7	34.1	33.4	35.3	35.6	36.6	41.1	41.9	48.4	50.2
NASA ⁷ and other agencies	10.0	9.2	10.4	10.4	10.0	10.6	11.8	11.7	10.9	11.6
Other customers ⁸	36.5	28.9	52.2	53.3	44.8	46.7	39.3	32.3	31.4	32.9
Related products and services ⁵	20.6	14.4	19.2	19.8	18.1	18.8	18.4	18.3	18.1	18.9

¹ Preliminary. ² Estimate. ³ Based on AIA's aerospace composite price deflator. ⁴ All civil sales of aircraft (domestic and export sales of jet transports, commuters, business, and personal aircraft and helicopters). ⁵ Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing use technology, processes, and materials derived from aerospace products. ⁶ Department of Defense. ⁷ National Aeronautics and Space Administration. ⁸ 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 1011. Major Household Appliances—Value of Shipments: 1990 to 2003

[In millions of dollars (11,670.0 represents \$11,670,000,000)]

Product	NAICS product code	1990	1995	1999	2000	2001	2002	2003
		Total	11,670.0	13,966.2	16,622.3	17,041.0	16,710.6	17,672.8
Electric household ranges, ovens, and surface cooking units, equipment and parts	3352211	1,659.8	1,791.8	2,197.1	2,170.3	2,004.5	1,823.5	2,122.8
Gas household ranges, ovens, and surface cooking units, equipment and parts	3352213	739.4	654.1	786.3	779.1	902.0	929.4	1,089.9
Other household ranges, cooking equipment, outdoor cooking equipment incl. parts and accessories	3352215	581.1	911.6	1,218.6	1,251.1	1,027.0	1,050.8	909.4
Household refrigerators ^{1 2}	3352221	3,208.1	4,739.4	4,968.8	5,395.8	5,227.1	5,080.3	5,499.1
Food freezers, complete units, for freezing and/or storing frozen food (household type) ²	3352222	226.6	(D)	(D)	(D)	(D)	(D)	(D)
Parts and attachments for household refrigerators and freezers	3352223	134.0	111.8	92.4	99.4	63.7	78.4	85.0
Household laundry machines and parts	3352240	2,924.5	3,095.4	4,029.7	4,046.6	4,162.0	4,446.5	4,699.2
Water heaters, electric	3352281	433.8	513.0	580.0	572.7	555.7	576.0	580.7
Water heaters, except electric	3352283	577.2	681.8	842.8	843.6	799.3	842.0	985.2
Household appliances, n.e.c. and parts	3352285	1,185.5	1,579.2	1,998.8	2,066.1	2,033.1	2,008.9	2,039.1

D Withheld to avoid disclosing data for individual companies. ¹ Includes combination refrigerator-freezers. ² Product code 33522210000 and 33522220000 are combined to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, 1990, Current Industrial Reports, Series MA36F; thereafter Series MA335F. See also <<http://www.census.gov/industry/1/ma335f03.pdf>> (released December 2004).