

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 wages, 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 989-991 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 998), American Iron and Steel Institute (Tables 999 and 1000), Consumer Electronics Association (Tables 1006 and 1007), and the Aerospace Industries Association (Tables 1012 and 1014). Machine tool consumption data

(Table 1002) 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 1997 census are presented in this section utilizing the new NAICS (North American Industry Classification System). Data from the 2002 census are being released on a flow basis and will mostly appear in the next edition of the *Statistical Abstract*. 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 direct reports or estimates from administrative records, are obtained for every manufacturing plant with one paid employee or more.

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 2001 annual survey is based on a sample of about 55,000 establishments of an approximate total of 230,000. These establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 1997 Census of Manufactures. For the current panel of the ASM sample, all establishments of companies with 1997 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 250 employees or more and establishments with a

very large value of shipments also were included. Therefore, of the 58,000 establishments included in the ASM panel, approximately 33,000 are selected with certainty. These establishments account for approximately 80 percent of total value of shipments in the 1992 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 1997 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 1997 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. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

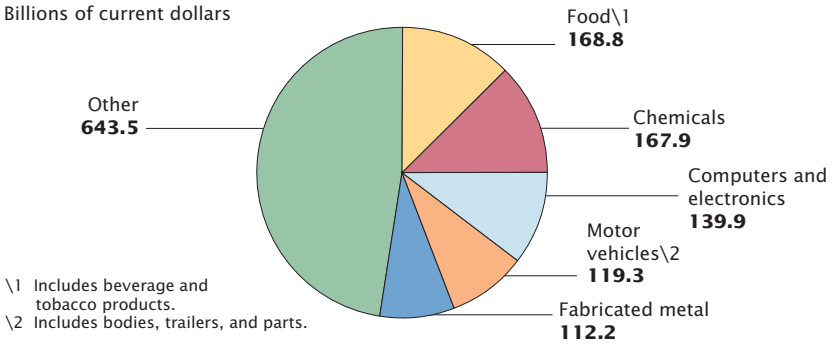
Durable goods—Items with a normal life expectancy of 3 years or more. Automobiles, furniture, household appliances, and mobile homes are common examples.

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

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

Figure 21.1
GDP in Manufacturing by Industry: 2002

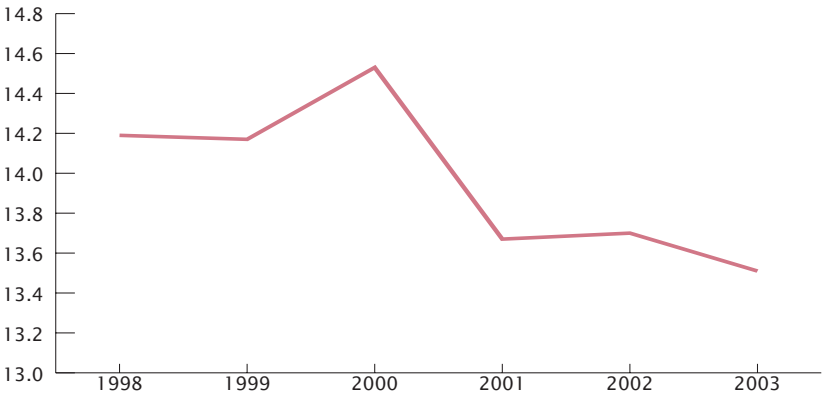
Billions of current dollars



\1 Includes beverage and tobacco products.
 \2 Includes bodies, trailers, and parts.

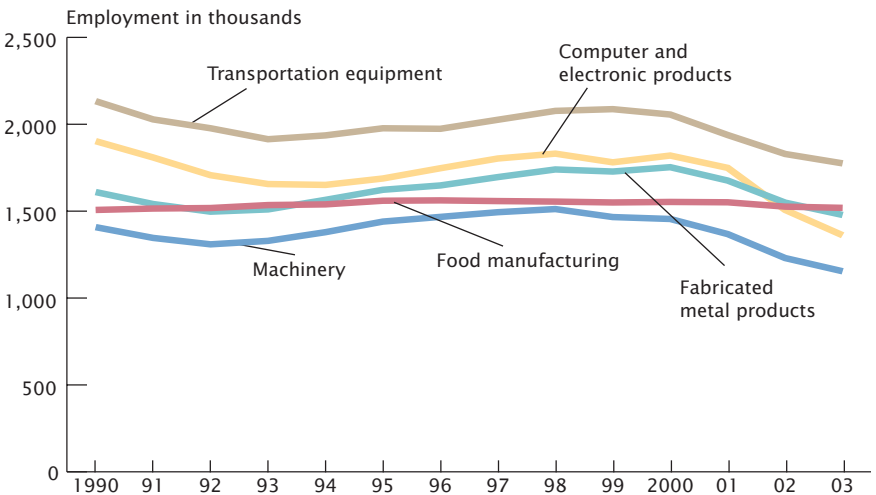
Figure 21.2
Manufacturing as a Percent of Total Gross Domestic Product (GDP): 1998 to 2003

Percent of Total GDP



Source: Figure 21.1 and 21.2 prepared by U.S. Census Bureau. For data, see Table 972.

Figure 21.3
Employment in Top Five Manufacturing Industries: 1990 to 2003



Source: Chart prepared by U.S. Census Bureau. For data, see Table 982.

No. 972. Gross Domestic Product in Manufacturing in Current and Real (2000) Dollars by Industry: 1998 to 2003

[In billions of dollars (8,747.0 represents \$8,747,000,000,000), except as indicated. Data are based on the 1997 NAICS; see text, Section 15. 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
CURRENT DOLLARS						
Gross domestic product, total ¹	8,747.0	9,268.4	9,817.0	10,100.8	10,480.8	10,987.9
Manufacturing, total	1,343.9	1,373.1	1,426.2	1,346.0	1,351.6	1,392.8
Percent of total	15.36	14.81	14.53	13.33	12.90	12.68
Durable goods	806.9	820.4	865.3	788.0	786.1	810.1
Wood products	29.4	31.9	31.4	31.1	32.1	(NA)
Nonmetallic mineral products	42.3	45.1	45.7	44.7	44.5	(NA)
Primary metals	49.4	47.3	48.2	42.0	40.8	(NA)
Fabricated metal products	112.7	116.4	121.7	113.5	112.2	(NA)
Machinery	111.5	105.6	109.3	103.5	98.1	(NA)
Computer and electronic products	165.7	162.8	185.6	141.6	139.9	(NA)
Electrical equipment, appliances, and components	44.7	48.2	50.6	48.7	46.1	(NA)
Motor vehicles, bodies and trailers, and parts	108.8	115.4	118.1	108.0	119.3	(NA)
Other transportation equipment	63.3	64.3	64.4	67.2	64.2	(NA)
Furniture and related products	29.1	31.0	32.7	30.8	30.6	(NA)
Miscellaneous manufacturing	49.9	52.5	57.5	56.9	58.5	(NA)
Nondurable goods	537.0	552.7	560.9	558.0	565.5	582.7
Food and beverage and tobacco products	137.5	153.6	154.8	161.6	168.8	(NA)
Textile mills and textile product mills	27.1	26.4	26.5	23.1	22.7	(NA)
Apparel and leather and allied products	26.0	24.7	25.1	22.9	23.3	(NA)
Paper products	52.2	54.2	55.6	50.0	48.9	(NA)
Printing and related support activities	46.5	48.2	49.0	47.4	47.1	(NA)
Petroleum and coal products	30.6	22.4	26.2	32.3	24.2	(NA)
Chemical products	153.4	157.1	157.1	157.2	167.9	(NA)
Plastics and rubber products	63.6	66.1	66.7	63.5	62.8	(NA)
CHAINED (2000) DOLLARS						
Gross domestic product, total ¹	9,066.9	9,470.3	9,817.0	9,866.6	10,083.0	10,398.0
Manufacturing, total	1,286.2	1,342.1	1,426.2	1,349.1	1,380.9	1,404.9
Percent of total	14.19	14.17	14.53	13.67	13.70	13.51
Durable goods	729.9	775.5	865.3	820.7	836.9	865.7
Wood products	29.9	30.4	31.4	30.6	31.9	(NA)
Nonmetallic mineral products	44.1	45.1	45.7	44.9	43.9	(NA)
Primary metals	45.9	48.1	48.2	44.2	42.6	(NA)
Fabricated metal products	114.4	114.9	121.7	110.8	108.8	(NA)
Machinery	113.8	105.0	109.3	100.4	94.5	(NA)
Computer and electronic products	96.3	125.4	185.6	186.4	207.8	(NA)
Electrical equipment, appliances, and components	44.6	48.0	50.6	47.9	46.2	(NA)
Motor vehicles, bodies and trailers, and parts	111.8	114.6	118.1	108.2	125.0	(NA)
Other transportation equipment	68.3	67.4	64.4	63.2	59.0	(NA)
Furniture and related products	30.2	31.5	32.7	29.6	28.7	(NA)
Miscellaneous manufacturing	50.4	52.1	57.5	54.8	54.9	(NA)
Nondurable goods	559.6	568.2	561.0	528.5	543.9	540.6
Food and beverage and tobacco products	153.1	155.1	154.8	151.0	150.4	(NA)
Textile mills and textile product mills	26.3	25.6	26.5	21.9	22.0	(NA)
Apparel and leather and allied products	26.4	24.4	25.1	22.8	23.5	(NA)
Paper products	60.0	61.0	55.6	49.7	49.2	(NA)
Printing and related support activities	47.7	48.5	49.0	45.8	45.2	(NA)
Petroleum and coal products	36.5	33.5	26.2	22.9	30.1	(NA)
Chemical products	149.8	157.1	157.1	152.9	163.8	(NA)
Plastics and rubber products	62.4	64.7	66.7	61.3	60.1	(NA)

NA Not available. ¹ For additional industry detail, see Table 642.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, July 2004. See also <<http://www.bea.gov/industry/gpotables/gpolist.cfm?anon=591®istered=>>> (released 17 June 2004).

No. 973. Manufacturing—Establishments, Employees, and Annual Payroll by Industry: 2000 and 2001

[114,065 represents 114,065,000. 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	2000			2001		
		Establishments, number	Number of employees ² (1,000)	Annual payroll (mil. dol.)	Establishments, number	Number of employees ² (1,000)	Annual payroll (mil. dol.)
All industries, total	(X)	7,070,048	114,065	3,879,430	7,095,302	115,061	3,989,086
Manufacturing, total	31-33	354,498	16,474	643,954	352,619	15,950	617,699
Percent of all industries	(X)	5.01	14.44	16.60	4.97	13.86	15.48
Food	311	26,401	1,468	43,773	26,785	1,470	44,085
Beverage & tobacco product	312	2,869	169	7,318	3,212	171	7,258
Textile mills	313	4,449	339	9,491	4,452	308	8,403
Textile product mills	314	6,881	216	5,364	6,966	202	5,059
Apparel manufacturing	315	16,505	510	10,426	16,152	442	9,262
Leather & allied product	316	1,783	69	1,711	1,763	61	1,496
Wood product	321	17,328	598	16,511	17,289	558	15,829
Paper	322	5,790	554	23,291	5,739	533	22,501
Printing & related support activities	323	39,035	813	28,319	37,895	785	27,051
Petroleum & coal products	324	2,210	109	6,386	2,253	104	6,336
Chemical	325	13,426	886	45,610	13,361	870	46,395
Plastics & rubber products	326	16,292	1,057	34,110	15,981	1,003	32,641
Nonmetallic mineral product	327	16,537	524	19,123	16,732	524	19,350
Primary metal	331	6,300	602	25,545	6,684	573	23,642
Fabricated metal product	332	61,144	1,791	64,244	60,791	1,761	61,803
Machinery	333	29,442	1,378	58,387	28,922	1,333	54,714
Computer & electronic product	334	17,148	1,557	90,397	16,764	1,593	84,522
Electrical equip, appliance & component	335	7,041	589	21,853	6,940	575	20,873
Transportation equipment	336	12,766	1,873	88,632	12,627	1,753	83,440
Furniture & related product	337	19,848	640	17,964	20,593	619	17,434
Miscellaneous	339	31,303	732	25,500	30,718	713	25,605

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/2003pubs/01cbp/cbp01-1.pdf>> (issued April 2003).

No. 974. Manufacturing—Establishments, Employees, and Annual Payroll by State: 2001

[15,950 represents 15,950,000. 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	Number of employees ¹ (1,000)	Annual payroll (mil. dol.)	State	Establishments	Number of employees ¹ (1,000)	Annual payroll (mil. dol.)
United States	352,619	15,950	617,699	Missouri	7,261	335	11,318
Alabama	5,200	312	10,202	Montana	1,226	21	646
Alaska	503	11	367	Nebraska	1,934	109	3,361
Arizona	4,937	194	7,917	Nevada	1,722	40	1,464
Arkansas	3,226	229	6,462	New Hampshire	2,249	96	3,819
California	49,022	1,741	75,803	New Jersey	10,872	380	17,283
Colorado	5,449	162	6,569	New Mexico	1,585	37	1,299
Connecticut	5,413	233	11,202	New York	21,499	689	27,241
Delaware	694	42	1,745	North Carolina	10,844	691	21,583
District of Columbia	162	3	92	North Dakota	681	24	762
Florida	15,392	413	14,578	Ohio	17,597	936	37,463
Georgia	8,688	492	16,141	Oklahoma	4,025	163	5,509
Hawaii	940	15	463	Oregon	5,587	198	7,981
Idaho	1,729	67	2,138	Pennsylvania	16,796	780	29,312
Illinois	17,134	820	32,832	Rhode Island	2,185	67	2,333
Indiana	9,131	604	23,471	South Carolina	4,430	326	11,289
Iowa	3,721	238	8,355	South Dakota	922	47	1,401
Kansas	3,240	191	7,302	Tennessee	7,013	449	15,237
Kentucky	4,210	280	10,182	Texas	21,370	948	37,288
Louisiana	3,436	159	6,539	Utah	3,001	120	4,241
Maine	1,866	77	2,705	Vermont	1,180	48	1,825
Maryland	3,936	157	6,792	Virginia	5,804	344	12,574
Massachusetts	9,015	390	18,907	Washington	7,565	316	14,458
Michigan	15,431	756	33,634	West Virginia	1,471	72	2,628
Minnesota	8,146	374	14,846	Wisconsin	9,846	544	20,145
Mississippi	2,815	201	5,674	Wyoming	563	9	321

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/2003pubs/01cbp/cbp01-1.pdf>>

No. 975. Manufactures—Establishments, Employees, Payroll, and Value of Shipments by Industry (NAICS 1997 Basis): 1997 and 2002

[2002 preliminary. For establishments with payroll. (16,805.1 represents 16,805,100). Based on the 1997 and 2002 Economic Censuses; see Appendix III]

Industry	NAICS code ¹	1997				2002			
		Number of establishments	Paid employees (1,000)	Annual payroll (mil. dol.)	Value of shipments (mil. dol.)	Number of establishments	Paid employees (1,000)	Annual payroll (mil. dol.)	Value of shipments (mil. dol.)
Manufacturing, total	31-33	362,829	16,805.1	569,809	3,834,701	344,259	14,543.3	568,400	3,832,566
Food	311	26,302	1,467.0	38,366	421,737	26,374	1,507.9	45,456	457,333
Beverage and tobacco products	312	2,727	175.7	6,735	96,971	2,997	157.3	6,798	104,028
Textile mills	313	4,694	391.9	10,058	58,707	3,937	266.7	7,693	47,028
Textile products	314	7,899	235.4	5,089	31,052	7,333	190.3	4,989	32,527
Apparel	315	16,989	710.8	12,582	68,018	12,516	352.2	7,774	45,606
Leather and allied products	316	1,861	85.1	1,832	10,877	1,515	45.7	1,231	7,208
Wood products	321	17,367	570.0	14,319	88,470	16,912	535.2	15,910	89,168
Paper	322	5,868	574.3	22,312	150,296	5,463	475.8	20,678	151,371
Printing and related support activities	323	42,863	834.4	26,023	97,485	37,168	718.1	25,717	95,554
Petroleum and coal products	324	2,146	107.6	5,546	177,393	2,278	105.9	6,314	212,421
Chemicals	325	13,474	882.6	39,836	415,617	13,107	790.2	40,770	427,728
Plastics and rubber products	326	16,821	1,023.1	29,805	159,161	15,305	939.9	31,196	167,929
Nonmetallic mineral products	327	16,310	501.5	16,172	86,465	16,579	481.2	17,838	95,247
Primary metals	331	5,059	605.1	23,811	168,118	5,952	489.0	21,177	135,825
Fabricated metal products	332	62,384	1,763.8	56,632	242,813	60,602	1,557.1	56,994	245,288
Machinery	333	30,599	1,420.5	53,012	270,687	28,129	1,163.9	49,549	241,723
Computers and electronic products	334	17,435	1,691.1	72,484	439,381	15,698	1,302.0	65,808	353,566
Electrical equipment, appliances, and components	335	6,930	593.8	18,973	112,116	6,420	500.6	18,422	105,731
Transportation equipment	336	12,887	1,842.3	79,617	575,307	12,264	1,646.4	80,769	619,564
Furniture and related products	337	20,738	603.7	14,986	64,299	21,824	571.0	16,491	73,215
Miscellaneous products	339	31,476	725.4	21,618	99,730	31,886	746.8	26,823	124,508

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

Source: U.S. Census Bureau, 2002 Economic Census, *Advance Report*, issued March 2004. See Internet site: <<http://www.census.gov/econ/census02/>>

No. 976. Manufactures—Summary by Selected Industry: 2001

[15,879.5 represents 15,879,500. Based on the Annual Survey of Manufactures; see Appendix III]

Industry based on shipments	NAICS code ¹	All employees ²			Production workers ³ (1,000)	Value added by manufactures ⁴ (mil. dol.)	Value of shipments ³ (mil. dol.)
		Payroll					
		Number (1,000)	Total (mil. dol.)	Per employee (dol.)			
Manufacturing, total	31-33	15,879.5	593,051	37,347	11,235.1	1,853,929	3,970,500
Food	311	1,504.7	43,586	28,967	1,145.1	193,224	451,386
Beverage and tobacco product	312	177.5	7,023	39,562	95.9	77,735	118,786
Textile mills	313	293.9	8,040	27,353	247.5	18,842	45,681
Textile product mills	314	209.7	5,051	24,091	170.1	12,852	31,971
Apparel	315	456.5	9,205	20,165	369.3	24,809	54,598
Wood product	321	555.9	15,431	27,759	458.9	33,130	87,250
Paper	322	530.2	22,188	41,845	407.8	73,036	155,846
Pulp, paper, and paperboard mills	3221	170.7	9,179	53,783	134.2	37,279	71,987
Printing and related support activities	323	799.2	27,158	33,980	574.2	60,483	100,792
Petroleum and coal products	324	101.5	5,830	57,465	67.5	47,346	219,075
Chemical ⁵	325	875.0	43,800	50,060	499.2	226,615	438,410
Pharmaceutical and medicine	3254	251.3	13,396	53,308	120.4	91,697	130,021
Plastics and rubber products	326	1,028.1	32,539	31,651	810.9	86,558	170,717
Plastics product	3261	834.5	25,588	30,664	657.8	69,475	137,276
Nonmetallic mineral product	327	507.3	18,147	35,771	394.6	53,195	94,861
Primary metal ⁵	331	532.8	22,199	41,664	420.2	53,111	138,245
Iron and steel mills and ferroalloy	3311	130.3	6,700	51,421	102.0	14,749	44,896
Fabricated metal product	332	1,724.7	59,569	34,539	1,296.0	138,793	253,113
Machinery ⁵	333	1,314.7	52,844	40,194	844.1	131,103	266,553
Industrial machinery	3332	190.5	8,533	44,786	105.1	17,448	35,211
Metalworking machinery	3335	217.7	9,055	41,601	153.0	16,030	26,684
Computer and electronic product ⁵	334	1,598.8	77,137	48,248	779.9	223,718	429,471
Computer and peripheral equipment	3341	193.1	9,165	47,461	65.2	34,394	89,528
Communications equipment	3342	301.7	17,089	56,636	120.3	50,757	102,004
Semiconductor and other electronic components	3344	566.9	23,944	42,240	355.3	71,289	124,215
Navigational, measuring, medical, control instruments	3345	468.1	24,461	52,254	192.8	60,035	97,169
Electrical equipment, appliance, and component ⁵	335	556.6	19,466	34,970	395.7	56,304	114,067
Electrical equipment	3353	186.8	6,660	35,662	124.7	17,340	33,934
Transportation equipment ⁵	336	1,717.6	80,416	46,818	1,246.5	227,675	602,496
Motor vehicle	3361	214.0	12,647	59,102	186.2	54,173	216,128
Motor vehicle parts	3363	736.0	31,501	42,800	584.6	74,532	186,839
Aerospace product and parts	3364	433.1	24,542	56,660	220.8	71,839	134,867
Furniture and related product	337	608.0	16,950	27,880	481.5	39,849	72,147

¹ North American Industry Classification System, 1997; see text, Section 15. ² See footnote 1, Table 977. ³ See footnote 2, Table 977. ⁴ See footnote 3, Table 977. ⁵ Includes industries not shown separately.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M01(AS)-1. See also <<http://www.census.gov/prod/2003pubs/m01as-1.pdf>> (issued January 2003).

No. 977. Manufactures—Summary by State: 2001

[15,879.5 represents 15,879,500. 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		
	Payroll			Total (1,000)	Wages (mil. dol.)	Total (mil. dol.)	Per production worker (dol.)	Value of ship- ments ³ (mil. dol.)
	Number (1,000)	Total (mil. dol.)	Per employee (dol.)					
United States	15,879.5	593,051	37,347	11,235.1	342,990	1,853,929	165,012	3,970,500
Alabama	315.1	9,890	31,391	247.2	6,708	27,844	112,653	67,172
Alaska	12.6	409	32,426	10.1	297	1,182	116,523	3,987
Arizona	186.4	7,367	39,527	114.6	3,146	28,430	248,027	42,168
Arkansas	227.0	6,363	28,037	184.6	4,538	19,868	107,611	46,530
California	1,792.2	72,189	40,279	1,147.6	33,383	219,584	191,347	414,762
Colorado	163.1	6,541	40,112	108.1	3,317	17,799	164,582	35,627
Connecticut	229.8	10,557	45,936	137.2	4,807	27,595	201,099	47,055
Delaware	38.0	1,458	38,402	28.4	928	6,621	232,937	16,664
District of Columbia	1.8	90	50,984	1.3	51	93	69,147	178
Florida	401.3	13,591	33,868	268.1	6,757	39,974	149,095	76,541
Georgia	484.0	15,721	32,483	371.8	10,281	57,578	154,882	127,624
Hawaii	14.4	447	31,108	9.1	225	907	100,159	3,196
Idaho	63.9	2,126	33,281	47.6	1,424	3,670	77,084	15,076
Illinois	811.3	31,498	38,826	559.5	17,577	94,124	168,233	196,449
Indiana	597.7	23,155	38,739	448.7	15,195	72,122	160,749	154,264
Iowa	235.9	8,221	34,854	176.7	5,221	29,636	167,718	65,428
Kansas	193.8	7,093	36,600	140.0	4,366	21,008	150,699	53,031
Kentucky	276.3	10,002	36,196	214.1	6,734	31,722	148,156	84,180
Louisiana	156.9	6,335	40,376	115.9	4,191	22,545	194,532	85,488
Maine	77.7	2,832	36,466	57.7	1,822	7,880	136,654	15,066
Maryland	162.4	6,917	42,601	103.9	3,324	18,757	180,611	36,038
Massachusetts	376.7	16,623	44,128	226.7	7,535	44,447	196,045	79,851
Michigan	749.5	32,028	44,068	563.8	22,179	86,262	153,010	209,003
Minnesota	376.7	14,519	38,549	249.2	7,709	38,545	154,675	82,304
Mississippi	197.8	5,559	28,110	153.3	3,838	15,573	98,400	38,560
Missouri	346.6	12,226	35,269	252.3	7,432	40,284	159,688	89,682
Montana	20.4	619	30,384	15.0	417	2,091	139,673	5,423
Nebraska	105.0	3,348	31,889	82.9	2,282	11,962	144,213	31,133
Nevada	40.4	1,518	37,629	27.6	791	3,844	139,224	7,581
New Hampshire	96.7	3,795	39,234	67.1	2,218	8,621	128,506	16,975
New Jersey	379.5	15,534	40,931	253.5	8,167	50,754	200,228	98,230
New Mexico	32.7	1,147	35,068	23.4	735	6,632	282,930	11,464
New York	707.2	26,380	37,300	482.1	14,217	78,484	162,782	146,455
North Carolina	693.7	21,436	30,902	531.7	13,622	91,184	171,497	167,124
North Dakota	23.4	726	31,063	16.7	439	2,669	159,523	6,517
Ohio	923.5	36,190	39,186	682.1	23,431	107,440	157,514	241,902
Oklahoma	161.7	5,350	33,093	117.7	3,341	18,059	153,390	40,063
Oregon	199.2	7,200	36,148	142.4	4,369	22,027	154,646	43,271
Pennsylvania	768.7	28,512	37,093	544.5	16,896	87,984	161,581	178,613
Rhode Island	70.0	2,396	34,216	46.3	1,260	5,877	126,922	10,958
South Carolina	312.4	10,694	34,236	240.5	6,951	35,017	145,574	78,738
South Dakota	39.6	1,115	28,191	29.4	729	4,558	154,839	11,093
Tennessee	441.4	14,531	32,923	335.0	9,387	46,349	138,337	104,109
Texas	950.4	35,377	37,222	647.8	19,410	120,086	185,381	321,361
Utah	121.8	4,174	34,263	82.2	2,341	11,783	143,270	25,908
Vermont	45.8	1,740	37,963	30.1	849	5,078	168,881	8,926
Virginia	327.4	11,268	34,418	245.9	7,076	53,043	215,686	92,874
Washington	309.2	12,603	40,759	194.6	6,922	38,193	196,236	89,280
West Virginia	67.7	2,519	37,207	50.4	1,643	7,202	142,804	16,201
Wisconsin	544.3	19,817	36,406	396.6	12,302	59,585	150,257	126,542
Wyoming	9.0	305	33,958	6.9	213	1,358	197,002	3,835

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 M01(AS)-3. See also <<http://www.census.gov/prod/2003pubs/m01as-3.pdf>> (issued January 2003).

No. 978. Manufacturing Industries—Export-Related Shipments and Employment by Industry: 2000

[(4,208,582 represents \$4,208,582,000,000). Exports include both "direct" exports (exports manufactured in the U.S. and consumed in foreign markets and "indirect" exports (intermediate goods and services required to manufacture export goods). For methodology, see report]

Industry	NAICS code	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	4,208,582	879,198	16,652	3,451	20.9	20.7
Food	311	435,230	29,897	1,506	101	6.9	6.7
Beverage and tobacco products	312	111,692	5,587	175	10	5.0	5.5
Textile mills	313	52,112	13,262	337	88	25.4	26.2
Textile products	314	33,654	2,799	230	23	8.3	10.1
Apparel	315	60,339	8,231	520	74	13.6	14.1
Leather and allied products	316	9,647	2,511	69	17	26.0	24.1
Wood products	321	93,669	8,002	587	48	8.5	8.1
Paper	322	165,297	29,842	548	93	18.1	16.9
Printing and related support activities	323	104,396	11,293	830	89	10.8	10.7
Petroleum and coal products	324	235,134	19,726	101	10	8.4	10.3
Chemicals	325	449,159	115,362	890	235	25.7	26.4
Plastics and rubber products	326	178,236	31,786	1,080	193	17.8	17.9
Nonmetallic mineral products	327	97,329	12,261	522	71	12.6	13.5
Primary metals	331	156,598	64,610	578	222	41.3	38.4
Fabricated metal products	332	268,212	59,470	1,815	420	22.2	23.1
Machinery	333	291,548	84,345	1,396	395	28.9	28.3
Computers and electronic products	334	510,640	185,534	1,653	612	36.3	37.0
Electrical equipment, appliances, and components	335	125,443	32,300	591	157	25.7	26.6
Transportation equipment	336	639,861	140,940	1,838	448	22.0	24.4
Furniture and related products	337	75,107	3,315	641	30	4.4	4.7
Miscellaneous products	339	115,280	18,127	745	118	15.7	15.8

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

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2000*, series AR(00)-1. See also <<http://www.census.gov/mcd/exports/ar00.pdf>> (released March 2004).

No. 979. Manufacturing Industries—Export-Related Shipments and Employment by State: 2000

[(879,198 represents \$879,178,000,000). 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.	879,198	3,451	20.9	20.7	Nevada	852	6	11.9	16.0
Alabama	13,437	50	19.1	14.8	New Hampshire	5,307	25	27.1	24.7
Alaska	380	1	9.4	10.3	New Jersey	15,730	65	15.5	16.7
Arizona	13,873	55	29.5	27.4	New Mexico	7,488	13	49.1	35.7
Arkansas	7,170	32	15.0	13.4	New York	32,963	147	21.2	20.0
California	115,949	464	26.3	25.2	North Carolina	32,612	143	18.5	19.2
Colorado	10,044	44	25.6	26.4	North Dakota	700	4	11.8	15.4
Connecticut	12,928	66	27.8	27.7	Ohio	57,777	228	22.4	23.3
Delaware	1,455	6	8.5	15.8	Oklahoma	5,752	27	12.9	15.7
District of Columbia	6	(D)	2.9	(D)	Oregon	15,541	54	31.2	26.5
Florida	12,231	60	15.2	14.1	Pennsylvania	32,030	134	17.1	16.9
Georgia	21,631	73	16.0	14.3	Rhode Island	2,221	16	19.1	21.1
Hawaii	318	2	8.5	16.4	South Carolina	18,872	79	24.0	23.9
Idaho	6,334	16	28.4	25.5	South Dakota	2,013	8	16.5	19.6
Illinois	40,984	164	19.3	19.0	Tennessee	18,348	81	17.6	17.2
Indiana	35,379	135	21.8	21.2	Texas	79,671	236	23.0	23.8
Iowa	10,944	45	16.5	18.0	Utah	5,569	23	20.1	18.6
Kansas	7,768	31	14.2	16.0	Vermont	5,514	20	58.6	46.6
Kentucky	16,299	54	18.1	18.3	Virginia	14,503	58	15.1	16.6
Louisiana	11,574	22	12.2	13.8	Washington	38,043	119	42.1	36.8
Maine	2,693	13	15.9	16.6	West Virginia	3,109	13	18.4	18.7
Maryland	4,173	23	11.4	14.0	Wisconsin	20,013	93	15.4	16.3
Massachusetts	26,894	116	31.3	30.1	Wyoming	320	1	8.4	9.3
Michigan	51,877	204	22.6	25.2					
Minnesota	13,897	73	16.0	18.6					
Mississippi	6,075	24	14.8	11.3					
Missouri	14,885	61	16.5	17.0					
Montana	497	2	8.8	8.6					
Nebraska	4,560	19	14.8	16.9					

D Data withheld to avoid disclosure of individual companies.

Source: U.S. Census Bureau, *Exports from Manufacturing Establishments: 2000*, series AR(00)-1. See also <<http://www.census.gov/mcd/exports/ar00.pdf>> (released March 2004).

No. 980. Manufacturers' E-Commerce Shipments by Industry: 2001 and 2002

[(3,970,500 represents \$3,970,500,000,000). 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	2001				2002			
		E-commerce				E-commerce			
		Shipments, total (mil. dol)	Shipments, total (mil. dol)	Percent of total shipments	Percent distribution	Shipments, total (mil. dol)	Shipments, total (mil. dol)	Percent of total shipments	Percent distribution
Manufacturing, total	31-33	3,970,500	724,228	18.2	100.0	3,840,319	751,985	19.6	100.0
Food products	311	451,386	53,556	11.9	7.4	469,031	51,094	10.9	6.8
Beverage and tobacco	312	118,786	45,665	38.4	6.3	103,869	45,419	43.7	6.0
Textile mills	313	45,681	4,435	9.7	0.6	46,847	3,977	8.5	0.5
Textile product mills	314	31,971	7,409	23.2	1.0	31,642	7,491	23.7	1.0
Apparel	315	54,598	10,652	19.5	1.5	45,848	9,726	21.2	1.3
Leather and allied products	316	8,834	1,438	16.3	0.2	7,349	783	10.7	0.1
Wood products	321	87,250	4,919	5.6	0.7	88,492	4,567	5.2	0.6
Paper	322	155,846	20,208	13.0	2.8	152,378	18,385	12.1	2.4
Printing and related support activities	323	100,792	5,885	5.8	0.8	95,735	4,725	4.9	0.6
Petroleum and coal products	324	219,075	16,312	7.4	2.3	215,663	25,523	11.8	3.4
Chemicals	325	438,410	54,041	12.3	7.5	427,754	68,674	16.1	9.1
Plastics and rubber products	326	170,717	27,324	16.0	3.8	166,089	23,953	14.4	3.2
Nonmetallic mineral products	327	94,861	7,887	8.3	1.1	94,391	7,144	7.6	1.0
Primary metals	331	138,245	14,274	10.3	2.0	136,971	12,828	9.4	1.7
Fabricated metal products	332	253,113	24,168	9.5	3.3	242,204	21,427	8.8	2.8
Machinery	333	266,553	35,670	13.4	4.9	241,406	30,390	12.6	4.0
Computer and electronic products	334	429,471	73,221	17.0	10.1	353,529	73,406	20.8	9.8
Electrical equipment, appliances, and components	335	114,067	27,845	24.4	3.8	103,599	23,043	22.2	3.1
Transportation equipment	336	602,496	264,326	43.9	36.5	620,649	297,280	47.9	39.5
Furniture and related products	337	72,147	9,348	13.0	1.3	73,112	8,082	11.1	1.1
Miscellaneous	339	116,201	15,644	13.5	2.2	123,761	14,068	11.4	1.9

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/2002/2002finaltext.pdf>> (released 15 April 2004) and <<http://www.census.gov/eos/www/historical/2002ht.pdf>>.

No. 981. Manufacturing Employer Costs for Employee Compensation Per Hour Worked: 1990 to 2003

[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 628, Section 12]

Compensation component	Cost (dol.)					Percent distribution				
	1990	2000	2001	2002	2003	1990	2000	2001	2002	2003
Total compensation	17.33	23.41	24.30	25.20	26.02	100.0	100.0	100.0	100.0	100.0
Wages and salaries	11.86	16.01	16.66	17.19	17.43	68.4	68.4	68.6	68.2	67.0
Total benefits	5.47	7.40	7.64	8.01	8.59	31.6	31.6	31.4	31.8	33.0
Paid leave	1.31	1.74	1.85	1.91	1.97	7.6	7.4	7.6	7.6	7.6
Vacation	0.67	0.86	0.92	0.97	1.00	3.9	3.7	3.8	3.8	3.8
Holiday	0.48	0.65	0.68	0.70	0.73	2.8	2.8	2.8	2.8	2.8
Sick	0.12	0.13	0.15	0.14	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	1.09	1.13	1.23	3.8	4.4	4.5	4.5	4.7
Premium pay	0.34	0.58	0.58	0.56	0.60	2.0	2.5	2.4	2.2	2.3
Nonproduction bonuses	0.22	0.36	0.41	0.46	0.51	1.3	1.5	1.7	1.8	2.0
Shift pay	0.09	0.10	0.11	0.11	0.11	0.5	0.4	0.5	0.4	0.4
Insurance	1.37	1.85	1.93	2.11	2.27	7.9	7.9	7.9	8.4	8.7
Health insurance	(NA)	1.69	1.75	1.92	2.08	(NA)	7.2	7.2	7.6	8.0
Retirement and savings	0.56	0.75	0.75	0.74	0.86	3.2	3.2	3.1	2.9	3.3
Defined benefit	(NA)	0.34	0.29	0.30	0.41	(NA)	1.5	1.2	1.2	1.6
Defined contributions	(NA)	0.41	0.46	0.44	0.45	(NA)	1.8	1.9	1.7	1.7
Legally required	1.54	1.92	1.95	2.05	2.18	8.9	8.2	8.0	8.1	8.4
Social Security	1.02	1.38	1.42	1.48	1.51	5.9	5.9	5.8	5.9	5.8
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	0.10	0.11	0.13	0.7	0.5	0.4	0.4	0.5
Workers compensation	0.36	0.40	0.40	0.43	0.51	2.1	1.7	1.6	1.7	2.0
Other benefits	0.04	0.09	0.07	0.07	0.08	0.2	0.4	0.3	0.3	0.3

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 2003*. See also <<http://ftp.bls.gov/pub/special.requests/ocwc/ect/ecehist.pdf>> (issued 19 June 2002) and <<http://www.bls.gov/news.release/pdf/ecec.pdf>> (issued 19 June 2002 <<http://www.bls.gov/news.release/pdf/ecec.pdf>> (issued 11 June 2003).

No. 982. Manufacturing Industries—Employment by Industry: 1990 to 2003

[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 611]

Industry	2002 NAICS code ¹	All employees (1,000)						Percent change	
		1990	1995	2000	2001	2002	2003	1990- 2000	2000- 2003
All industries	(X)	109,487	117,298	131,785	131,826	130,341	129,931	20.4	-1.4
Manufacturing	31-33	17,695	17,241	17,263	16,441	15,259	14,525	-2.4	-15.9
Percent of all industries	(X)	16.16	14.70	13.10	12.47	11.71	11.18	(X)	(X)
Durable goods	(X)	10,736	10,372	10,876	10,335	9,483	8,970	1.3	-17.5
Wood products	321	541	574	613	574	555	536	13.4	-12.5
Sawmills and wood preservation	3211	148	137	134	127	121	117	-9.6	-13.0
Plywood and engineered wood products	3212	96	107	122	116	116	114	28.2	-7.1
Other wood products	3219	297	330	357	331	318	306	20.1	-14.2
Nonmetallic mineral products	327	528	513	554	545	516	493	4.9	-11.1
Clay products and refractories	3271	84	85	82	77	72	66	-1.9	-19.3
Glass and glass products	3272	152	144	141	136	124	117	-7.6	-17.3
Cement and concrete products	3273	195	194	234	236	230	223	20.1	-4.7
Lime, gypsum, and other nonmetallic mineral products	3279	98	91	97	95	91	87	-0.3	-10.7
Primary metals	331	689	642	622	571	509	477	-9.7	-23.3
Iron and steel mills and ferroalloy production	3311	187	154	135	122	107	102	-27.7	-24.4
Steel products from purchased steel	3312	70	70	73	68	63	60	4.0	-17.6
Alumina and aluminum production	3313	108	98	101	92	80	75	-7.3	-25.3
Other nonferrous metal production	3314	109	103	96	90	81	74	-11.7	-22.7
Foundries	3315	214	216	217	200	178	165	1.4	-23.9
Fabricated metal products	332	1,610	1,623	1,753	1,676	1,549	1,478	8.9	-15.6
Forging and stamping	3321	128	139	138	125	113	109	7.9	-21.1
Cutlery and hand tools	3322	79	78	79	72	64	62	0.3	-22.0
Architectural and structural metals	3323	357	359	428	422	399	379	20.0	-11.4
Boilers, tanks, and shipping containers	3324	117	108	107	103	96	91	-9.1	-14.7
Hardware	3325	57	55	50	46	42	40	-12.8	-20.4
Spring and wire products	3326	78	82	81	76	70	64	4.3	-21.2
Machine shops and threaded products	3327	309	330	365	348	318	308	18.4	-15.6
Coating, engraving, and heat treating metals	3328	143	155	175	163	149	143	22.7	-18.2
Other fabricated metal products	3329	344	317	330	321	296	283	-4.0	-14.2
Machinery	333	1,408	1,440	1,455	1,368	1,230	1,154	3.3	-20.7
Agricultural, construction, and mining machinery	3331	229	215	222	217	200	189	-2.8	-14.9
Industrial machinery	3332	152	164	163	149	131	124	7.5	-24.1
Commercial and service industry machinery	3333	147	144	147	143	130	119	0.3	-19.1
HVAC and commercial refrigeration equipment	3334	165	182	194	184	167	158	17.8	-18.6
Metalworking machinery	3335	267	273	274	249	217	205	2.5	-24.9
Turbine and power transmission equipment	3336	114	115	111	106	101	94	-2.4	-15.5
Other general purpose machinery	3339	335	347	343	321	285	264	2.4	-23.0
Computer and electronic products	334	1,903	1,688	1,820	1,749	1,507	1,361	-4.3	-25.2
Computer and peripheral equipment	3341	367	296	302	286	250	226	-17.8	-25.2
Communications equipment	3342	232	233	248	234	186	157	7.0	-36.6
Audio and video equipment	3343	60	54	52	47	42	39	-13.3	-26.1
Semiconductors and electronic components	3344	574	571	676	645	525	462	17.8	-31.7
Electronic instruments	3345	626	482	479	475	450	429	-23.6	-10.3
Magnetic media manufacturing and reproduction	3346	43	53	63	61	55	49	46.4	-23.5
Electrical equipment and appliances	335	633	593	591	557	497	460	-6.7	-22.2
Electric lighting equipment	3351	81	81	85	79	72	68	5.0	-19.8
Household appliances	3352	114	112	106	102	98	93	-7.0	-12.2
Electrical equipment	3353	244	219	210	197	175	160	-13.9	-23.7
Other electrical equipment and components	3359	195	181	191	180	152	139	-2.3	-26.9
Transportation equipment	336	2,133	1,977	2,056	1,938	1,829	1,775	-3.6	-13.6
Motor vehicles	3361	271	295	291	279	265	268	7.4	-8.2
Motor vehicle bodies and trailers	3362	130	160	183	159	152	151	40.8	-17.2
Motor vehicle parts	3363	653	787	840	775	734	707	28.6	-15.7
Aerospace products and parts	3364	841	514	517	511	470	440	-38.5	-14.9
Ship and boat building	3366	173	146	153	147	146	149	-11.4	-2.9
Other transportation equipment	3369	35	40	40	39	39	39	14.0	-2.5

See footnotes at end of table.

No. 982. Manufacturing Industries—Employment by Industry: 1990 to 2003—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 611]

Industry	2002 NAICS code ¹	All employees (1,000)						Percent change	
		1990	1995	2000	2001	2002	2003	1990- 2000	2000- 2003
Furniture and related products	337	601	607	680	642	604	574	13.0	-15.6
Household and institutional furniture	3371	398	399	440	416	400	382	10.6	-13.2
Office furniture and fixtures	3372	156	160	181	171	151	140	16.0	-23.1
Other furniture-related products	3379	47	49	58	56	54	52	23.1	-11.0
Miscellaneous manufacturing	339	690	715	733	715	688	663	6.2	-9.6
Medical equipment and supplies	3391	288	294	310	311	308	305	7.7	-1.7
Other miscellaneous manufacturing	3399	403	421	423	403	380	358	5.1	-15.3
Nondurable goods	(X)	6,959	6,869	6,388	6,107	5,775	5,555	-8.2	-13.0
Food manufacturing	311	1,507	1,560	1,553	1,551	1,526	1,519	3.0	-2.2
Animal food	3111	57	56	55	53	51	50	-4.2	-9.0
Grain and oilseed milling	3112	71	70	65	63	62	62	-9.1	-4.6
Sugar and confectionery products	3113	99	100	92	89	84	84	-7.3	-9.0
Fruit and vegetable preserving and specialty	3114	218	216	197	193	183	184	-9.5	-6.8
Fruit and vegetable canning and drying	3115	127	116	96	97	90	91	-24.2	-6.1
Dairy products	3116	145	137	136	137	137	136	-5.9	0.2
Animal slaughtering and processing	3116	427	476	507	516	517	515	18.6	1.7
Seafood product preparation and packaging	3117	54	52	45	47	44	43	-17.2	-5.1
Bakeries and tortilla manufacturing	3118	292	304	306	303	297	293	4.9	-4.5
Other food products	3119	143	149	150	152	151	153	5.0	1.7
Beverages and tobacco products	312	218	203	207	209	207	201	-4.9	-3.1
Beverages	3121	173	164	175	177	174	170	1.2	-2.9
Textile mills	313	492	469	378	333	291	260	-23.1	-31.2
Fiber, yarn, and thread mills	3131	102	94	81	71	63	56	-20.5	-30.5
Fabric mills	3132	270	246	192	168	145	130	-29.0	-32.5
Textile and fabric finishing mills	3133	120	129	105	95	83	75	-12.1	-29.3
Textile product mills	314	209	219	216	206	195	180	3.3	-16.9
Textile furnishings mills	3141	127	128	129	121	116	105	1.3	-18.1
Other textile product mills	3149	82	91	88	84	78	75	6.4	-14.8
Apparel	315	929	814	497	427	360	313	-46.5	-37.1
Apparel knitting mills	3151	112	106	69	61	50	45	-38.4	-34.8
Cut and sew apparel	3152	776	666	394	335	283	245	-49.3	-37.8
Accessories and other apparel	3159	41	43	34	31	27	23	-16.9	-32.3
Leather and allied products	316	133	105	69	58	50	45	-48.3	-34.3
Footwear	3162	83	57	31	26	22	20	-62.8	-35.2
Leather and hide tanning and finishing and other leather prod.	3169	51	48	38	32	28	25	-25.0	-33.4
Paper and paper products	322	647	640	605	578	547	519	-6.6	-14.2
Pulp, paper, and paperboard mills	3221	238	220	191	179	165	150	-19.7	-21.4
Converted paper products	3222	409	419	413	398	382	369	1.1	-10.8
Printing and related support activities	323	809	817	807	768	707	680	-0.2	-15.7
Petroleum and coal products	324	153	140	123	121	118	115	-19.4	-7.0
Chemicals	325	1,036	988	980	959	928	908	-5.3	-7.4
Basic chemicals	3251	249	228	188	181	170	163	-24.4	-13.4
Resin, rubber, and artificial fibers	3252	158	140	136	126	115	112	-14.2	-17.4
Agricultural chemicals	3253	52	50	48	46	45	40	-8.8	-15.5
Pharmaceuticals and medicines	3254	207	228	274	283	291	294	32.4	7.2
Paints, coatings, and adhesives	3255	85	79	79	75	72	69	-6.6	-12.8
Soaps, cleaning compounds, and toiletries	3256	132	126	129	127	121	118	-2.4	-7.9
Other chemical products and preparations	3259	153	137	127	120	114	111	-17.1	-12.2
Plastics and rubber products	326	826	915	952	897	848	816	15.3	-14.3
Plastics products	3261	619	703	738	699	664	639	19.3	-13.4
Rubber products	3262	207	212	214	199	184	177	3.5	-17.4

X Not applicable. ¹ Based on the North American Industry Classification System, 2002 (NAICS). See text, Section 13.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, March 2004 issue; and the Current Employment Statistics program Internet site <<http://www.bls.gov/ces/home.htm>>

No. 983. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 2001 and 2002

[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	State	2001	2002
United States	14.76	15.29	Missouri	16.11	16.79
Alabama	12.76	13.10	Montana	14.03	14.43
Alaska	11.70	13.24	Nebraska	13.64	14.05
Arizona	13.80	14.16	Nevada	13.79	14.62
Arkansas	12.90	13.30	New Hampshire	13.98	14.20
California	14.69	14.89	New Jersey	14.74	15.20
Colorado	14.72	15.85	New Mexico	13.27	13.43
Connecticut	16.42	17.25	New York	16.24	16.74
Delaware	16.56	16.62	North Carolina	12.81	13.18
District of Columbia ¹	15.14	15.39	North Dakota	12.77	13.17
Florida	12.68	13.30	Ohio	16.79	17.49
Georgia	12.50	13.39	Oklahoma	13.66	14.12
Hawaii	13.18	13.07	Oregon	14.74	15.06
			Pennsylvania	14.37	14.75
Idaho	13.85	13.80	Rhode Island	12.68	12.75
Illinois	14.66	14.99	South Carolina	13.79	14.00
Indiana	16.42	17.16	South Dakota	12.11	12.60
Iowa	14.67	15.31	Tennessee	12.88	13.15
Kansas	15.48	15.98	Texas	14.04	13.93
Kentucky	15.44	15.73	Utah	13.76	14.12
Louisiana	16.18	17.03	Vermont	14.18	14.33
Maine	14.71	15.55	Virginia	14.49	15.25
Maryland	14.56	15.21	Washington	17.96	18.15
Massachusetts	15.75	16.25	West Virginia	14.80	15.40
Michigan	19.45	20.48	Wisconsin	15.44	15.86
Minnesota	14.76	15.06	Wyoming	17.26	17.73
Mississippi	11.93	12.32			

¹ Washington PMSA (primary metropolitan statistical area).

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, May 2003 issue and earlier issues.

No. 984. Manufacturing Full-Time Equivalent Employees and Wages by Industry: 1999 to 2002

[121,656 represents 121,656,000]

Industry	NAICS code ¹	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
		1999	2000	2001	2002	1999	2000	2001	2002
All industries, total	(X)	121,656	124,319	124,632	123,382	36,754	38,846	39,660	40,318
Manufacturing	31-33	17,045	16,947	16,194	15,059	40,930	44,216	43,786	44,873
Durable goods	(X)	10,704	10,713	10,194	9,368	43,240	47,007	46,063	47,040
Wood products	321	618	606	576	567	28,858	30,360	30,652	31,078
Nonmetallic mineral products	327	535	545	535	511	36,641	38,879	39,226	40,417
Primary metals	331	609	611	560	499	44,464	45,745	45,801	46,591
Fabricated metal products	332	1,729	1,738	1,645	1,524	35,487	37,688	38,169	39,156
Machinery	333	1,433	1,420	1,348	1,212	43,846	46,882	46,021	47,150
Computer and electronic products	334	1,786	1,813	1,728	1,482	59,829	71,372	65,527	66,300
Electrical equipment, appliances, and components	335	552	568	548	490	40,204	42,732	40,864	42,080
Motor vehicles, bodies and trailers, and parts	3361-3363	1,289	1,283	1,198	1,141	47,838	49,727	48,741	51,445
Other transportation equipment	3364-3365	769	736	714	666	50,723	52,612	55,166	57,821
Furniture and related products	337	657	664	630	592	27,631	29,660	29,911	30,826
Miscellaneous manufacturing	339	727	728	712	685	36,135	38,504	39,634	40,953
Non-durable goods	(X)	6,341	6,235	6,000	5,691	37,030	39,420	39,917	41,307
Food and beverage and tobacco products	311-312	1,716	1,719	1,718	1,698	31,933	34,110	34,695	35,466
Textile mills and textile product mills	313-314	620	584	521	476	26,671	29,018	29,542	30,689
Apparel and leather and allied products	315	596	538	487	408	23,115	24,769	24,571	26,346
Paper products	322	607	596	564	530	43,652	45,578	46,909	48,608
Printing and related support activities	323	775	767	764	707	37,138	38,966	37,476	38,368
Petroleum and coal products	324	126	120	118	117	59,769	62,310	64,942	66,063
Chemical products	325	967	968	946	915	57,284	60,928	61,394	62,937
Plastics and rubber products	326	935	942	884	839	33,718	35,375	35,968	37,269

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

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March 2004. See also <<http://www.bea.doc.gov/bea/dn/nipaweb/SelectTable.asp?Selected=N>> (released 13 February 2004).

No. 985. Manufacturers' Shipments, Inventories, and New Orders: 1992 to 2003

[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

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/>>.

No. 986. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1997 to 2003

[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	1997	1998	1999	2000	2001	2002	2003
INVENTORIES TO SHIPMENTS RATIO							
All manufacturing industries	1.39	1.38	1.38	1.37	1.37	1.37	1.32
Durable goods	1.57	1.56	1.53	1.55	1.57	1.53	1.47
Wood products	1.26	1.26	1.26	1.32	1.34	1.33	1.24
Nonmetallic mineral products	1.25	1.17	1.17	1.23	1.21	1.29	1.27
Primary metals	1.60	1.59	1.69	1.68	1.67	1.67	1.58
Fabricated metals	1.60	1.55	1.56	1.55	1.55	1.51	1.52
Machinery	2.04	2.01	2.05	2.08	2.06	2.04	1.97
Computers and electronic products	1.51	1.41	1.42	1.55	1.59	1.57	1.37
Electrical equipment, appliances, and components	1.51	1.45	1.42	1.44	1.47	1.47	1.47
Transportation equipment	1.44	1.57	1.42	1.34	1.39	1.31	1.31
Furniture and related products	1.43	1.34	1.35	1.35	1.32	1.34	1.30
Miscellaneous products	1.92	1.85	1.89	1.90	1.87	1.83	1.74
Nondurable goods	1.16	1.14	1.18	1.14	1.13	1.18	1.14
Food products	0.85	0.82	0.86	0.88	0.85	0.87	0.86
Beverages and tobacco products	1.71	1.63	1.55	1.51	1.47	1.58	1.65
Textile mills	1.41	1.45	1.52	1.49	1.48	1.38	1.51
Textile product mills	1.76	1.63	1.62	1.76	1.83	1.72	1.76
Apparel	1.71	1.75	1.89	1.89	1.68	1.58	1.62
Leather and allied products	1.99	2.05	2.18	2.13	2.10	1.91	1.92
Paper products	1.21	1.15	1.16	1.11	1.16	1.17	1.09
Printing	0.88	0.80	0.81	0.79	0.77	0.78	0.78
Petroleum and coal products	0.82	0.84	0.90	0.71	0.74	0.90	0.75
Basic chemicals	1.31	1.31	1.38	1.40	1.39	1.44	1.38
Plastics and rubber products	1.22	1.19	1.20	1.21	1.18	1.30	1.33
UNFILLED ORDERS TO SHIPMENTS RATIO							
All manufacturing industries	1.61	1.53	1.51	1.57	1.56	1.50	1.52
Durable goods	2.87	2.67	2.61	2.78	2.86	2.74	2.83
Primary metals	1.94	1.56	1.69	1.45	1.47	1.33	1.51
Fabricated metals	2.08	2.00	2.02	2.02	1.93	1.80	1.90
Machinery	2.60	2.40	2.50	2.51	2.46	2.04	2.08
Computers and electronic products	2.49	2.57	2.93	3.07	3.56	3.66	3.71
Electrical equipment, appliances, and components	1.65	1.56	1.78	1.75	1.54	1.62	1.61
Transportation equipment	5.59	5.00	4.24	4.93	5.03	4.72	4.89
Furniture and related products	1.38	1.19	1.27	1.14	1.09	0.94	0.96
Miscellaneous products	0.37	0.46	0.49	0.62	0.44	0.45	0.58

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/>>.

No. 987. Value of Manufacturers' Shipments, Inventories, and New Orders by Industry: 1997 to 2003

[In millions of dollars (3,834,699 represents \$3,834,699,000,000). 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	1997	1998	1999	2000	2001	2002	2003
SHIPMENTS							
All manufacturing industries	3,834,699	3,899,813	4,031,887	4,208,584	3,970,499	3,891,753	3,999,124
Durable goods	2,147,384	2,231,588	2,326,736	2,373,688	2,174,406	2,131,404	2,150,638
Wood products	88,470	91,175	97,311	93,669	87,250	87,652	93,238
Nonmetallic mineral products.	86,465	92,501	96,153	97,329	94,861	88,222	87,500
Primary metals	168,118	166,109	156,648	156,598	138,246	135,930	131,307
Fabricated metals	242,812	253,720	257,071	268,213	253,113	252,232	245,469
Machinery	270,687	280,651	276,904	291,548	266,554	255,651	253,516
Computers and electronic products.	439,380	443,768	467,059	510,639	429,471	392,026	418,651
Electrical equipment, appliances, and components	112,116	116,024	118,313	125,443	114,068	103,673	101,415
Transportation equipment	575,307	612,882	676,328	639,861	602,495	624,129	618,670
Furniture and related products.	64,299	69,616	72,659	75,107	72,147	69,999	69,870
Miscellaneous products	99,730	105,142	108,290	115,281	116,201	121,890	131,002
Nondurable goods	1,687,315	1,668,225	1,705,151	1,834,896	1,796,093	1,760,349	1,848,486
Food products	421,737	428,479	426,001	435,229	451,385	450,183	461,064
Beverages and tobacco products	96,971	102,359	106,920	111,692	118,786	109,832	105,310
Textile mills	58,707	57,416	54,306	52,112	45,681	43,170	39,775
Textile product mills	31,052	31,137	32,689	33,654	31,971	34,232	35,247
Apparel	68,018	64,932	62,305	60,339	54,598	53,621	52,970
Leather and allied products	10,877	10,186	9,653	9,647	8,834	10,408	10,903
Paper products	150,296	154,984	156,915	165,298	155,845	151,530	159,611
Printing	97,485	100,297	101,536	104,396	100,792	97,968	95,036
Petroleum and coal products	177,394	137,957	162,620	235,134	219,074	206,879	244,097
Basic chemicals	415,617	416,742	420,321	449,159	438,410	424,143	459,110
Plastics and rubber products	159,161	163,736	171,885	178,236	170,717	178,383	185,363
INVENTORIES (Dec. 31)							
All manufacturing industries	433,451	438,845	452,803	470,084	441,527	433,756	428,176
Durable goods	273,330	282,698	288,362	298,232	275,855	264,446	255,969
Wood products	9,441	9,684	10,289	10,329	9,664	9,566	9,598
Nonmetallic mineral products.	8,840	8,877	9,279	9,799	9,440	9,306	9,051
Primary metals	22,728	22,305	22,309	22,199	19,502	19,144	17,420
Fabricated metals	31,776	32,215	32,800	34,085	32,145	31,227	30,504
Machinery	44,490	45,728	46,050	49,151	44,532	42,296	40,512
Computers and electronic products.	53,045	50,066	52,838	63,424	54,598	49,287	45,945
Electrical equipment, appliances, and components	13,530	13,503	13,510	14,505	13,488	12,234	11,949
Transportation equipment	66,414	77,014	76,781	69,199	67,188	65,769	65,146
Furniture and related products.	7,527	7,599	7,983	8,261	7,765	7,632	7,375
Miscellaneous products	15,539	15,707	16,523	17,680	17,533	17,985	18,469
Nondurable goods	160,121	156,147	164,441	171,852	165,672	169,310	172,207
Food products	30,152	29,419	30,650	31,882	31,865	32,534	33,082
Beverages and tobacco products	14,188	14,294	14,167	14,331	14,855	14,717	14,725
Textile mills	6,640	6,684	6,648	6,243	5,411	4,759	4,817
Textile product mills	4,331	4,024	4,219	4,698	4,648	4,691	4,951
Apparel	9,267	9,114	9,454	9,170	7,363	6,784	6,901
Leather and allied products	1,718	1,667	1,675	1,634	1,479	1,580	1,673
Paper products	15,042	14,688	15,034	15,205	14,950	14,621	14,352
Printing	6,621	6,212	6,394	6,445	6,046	5,985	5,754
Petroleum and coal products	11,492	9,102	11,375	12,840	12,479	14,302	13,973
Basic chemicals	44,691	44,943	47,806	51,223	50,052	50,363	51,917
Plastics and rubber products	15,979	16,000	17,019	17,761	16,524	16,974	20,062
NEW ORDERS							
All manufacturing industries	3,779,835	3,808,143	3,957,242	4,161,472	3,875,329	3,800,930	3,949,998
Durable goods	2,092,520	2,139,918	2,252,091	2,326,576	2,079,236	2,040,581	2,101,512
Wood products	88,470	91,175	97,311	93,669	87,250	87,652	93,238
Nonmetallic mineral products.	86,465	92,501	96,153	97,329	94,861	88,222	87,500
Primary metals	171,407	160,743	156,968	153,625	136,291	134,089	132,850
Fabricated metals	247,839	253,847	258,116	270,021	248,872	249,408	246,590
Machinery	272,998	278,100	278,277	294,608	260,392	244,559	253,978
Computers and electronic products.	363,635	372,433	402,216	436,415	363,049	325,378	358,127
Electrical equipment, appliances, and components	113,411	115,711	120,774	126,196	110,628	103,013	101,038
Transportation equipment	581,780	600,205	660,215	663,326	591,756	617,098	625,535
Furniture and related products.	66,256	69,098	73,393	74,532	71,614	68,959	69,972
Miscellaneous products	100,259	106,105	108,668	116,855	114,523	122,203	132,684
Nondurable goods	1,687,315	1,668,225	1,705,151	1,834,896	1,796,093	1,760,349	1,848,486

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/>>.

No. 988. Value of Manufacturers' Shipments, Inventories, and New Orders by Market Grouping: 1997 to 2003

[In millions of dollars (3,834,699 represents 3,834,699,000,000). 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]

Market grouping	1997	1998	1999	2000	2001	2002	2003
SHIPMENTS							
All manufacturing industries	3,834,699	3,899,813	4,031,887	4,208,584	3,970,499	3,891,753	3,999,124
Consumer goods	1,369,992	1,364,326	1,438,519	1,514,377	1,493,707	1,472,647	1,529,699
Consumer durable goods	371,669	385,918	426,337	405,308	380,734	396,590	400,023
Consumer nondurable goods	998,323	978,408	1,012,182	1,109,069	1,112,973	1,076,057	1,129,676
Aircraft and parts	100,126	116,812	120,242	111,658	118,226	111,726	107,161
Defense aircraft and parts	27,472	26,938	27,719	24,560	27,928	35,127	39,856
Nondefense aircraft and parts	72,654	89,874	92,523	87,098	90,298	76,599	67,305
Construction materials and supplies	399,880	418,756	434,138	444,812	424,517	419,040	421,903
Motor vehicles and parts	421,573	439,590	498,716	471,180	427,175	450,136	442,840
Computers and related products	110,055	114,482	113,162	110,242	89,529	81,449	93,449
Information technology industries	349,846	362,564	374,384	399,751	353,237	319,391	337,316
Nondefense capital goods	702,971	747,046	768,799	808,345	727,980	673,223	683,195
Excluding aircraft	665,074	695,717	713,042	757,617	677,991	634,549	652,339
Defense capital goods	76,261	74,690	70,955	67,051	74,019	79,825	91,883
Durables excluding capital goods	1,368,152	1,409,852	1,486,982	1,498,292	1,372,407	1,378,356	1,375,560
INVENTORIES (Dec. 31)							
All manufacturing industries	433,451	438,845	452,803	470,084	441,527	433,756	428,176
Consumer goods	118,980	116,715	123,218	129,478	126,855	129,445	131,660
Consumer durable goods	25,251	25,137	26,307	27,438	25,704	26,289	25,932
Consumer nondurable goods	93,729	91,578	96,911	102,040	101,151	103,156	105,728
Aircraft and parts	37,509	46,921	42,599	36,091	36,393	34,978	34,293
Defense aircraft and parts	8,380	11,376	11,052	9,423	9,384	9,610	11,296
Nondefense aircraft and parts	29,129	35,545	31,547	26,668	27,009	25,368	22,997
Construction materials and supplies	44,877	45,617	47,510	49,389	46,344	46,196	45,350
Motor vehicles and parts	20,298	20,764	22,102	22,283	19,653	20,256	19,604
Computers and related products	10,289	8,017	7,963	8,350	6,341	5,975	5,639
Information technology industries	46,117	43,592	44,375	50,795	46,650	41,802	38,432
Nondefense capital goods	117,932	122,415	121,653	127,162	119,258	109,106	102,129
Excluding aircraft	95,226	94,045	96,254	106,669	98,483	90,539	85,879
Defense capital goods	14,814	17,775	19,754	17,153	17,677	17,705	19,270
Durables excluding capital goods	140,584	142,508	146,955	153,917	138,920	137,635	134,570
NEW ORDERS							
All manufacturing industries	3,779,835	3,808,143	3,957,242	4,161,472	3,875,329	3,800,930	3,949,998
Consumer goods	1,372,919	1,364,268	1,440,903	1,515,799	1,491,143	1,471,270	1,530,443
Consumer durable goods	374,596	385,860	428,721	406,730	378,170	395,213	400,767
Consumer nondurable goods	998,323	978,408	1,012,182	1,109,069	1,112,973	1,076,057	1,129,676
Aircraft and parts	109,077	108,004	107,336	130,575	111,432	105,382	105,544
Defense aircraft and parts	23,280	23,854	25,717	31,326	37,311	40,087	44,662
Nondefense aircraft and parts	85,797	84,150	81,619	99,249	74,121	65,295	60,882
Construction materials and supplies	403,860	419,330	435,034	446,792	420,300	418,315	422,639
Motor vehicles and parts	422,427	440,934	499,527	468,470	425,580	450,183	444,327
Computers and related products	107,564	115,806	114,481	107,656	89,320	82,398	94,130
Information technology industries	352,700	365,723	389,160	409,500	350,726	314,473	349,234
Nondefense capital goods	728,362	745,600	772,703	831,335	700,027	647,894	689,340
Excluding aircraft	676,119	698,279	728,089	767,754	665,899	617,878	663,352
Defense capital goods	64,497	64,127	67,900	79,598	83,033	79,264	104,824
Durables excluding capital goods	1,299,661	1,330,191	1,411,488	1,415,643	1,296,176	1,313,423	1,307,348

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/>>.

No. 989. Finances and Profits of Manufacturing Corporations: 1990 to 2003

[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 760 for individual industry data]

Item	1990	1995	1997	1998	1999	2000	2001 ¹	2002 ²	2003 ²
Net sales	2,811	3,528	3,920	3,949	4,149	4,548	4,308	4,295	4,217
Net operating profit	173	268	298	298	317	348	185	186	225
Net profit:									
Before taxes	160	274	331	315	355	381	82	83	196
After taxes	112	198	245	234	258	275	36	36	135
Cash dividends	62	81	108	121	104	132	102	103	106
Net income retained in business	49	117	136	114	154	143	-67	-66	28

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/2004pubs/qfr02-q4.pdf>> (released April 2004).

No. 990. Manufacturing Corporations—Assets and Profits by Asset Size: 1990 to 2003

[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. 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	Asset-size class							
		Total	Under \$10 mil. ¹	\$10- \$25 mil. ¹	\$25- \$50 mil. ¹	\$50- \$100 mil. ¹	\$100- \$250 mil. ¹	\$250- \$1 bil. ¹	\$1 bil. and over ¹
Assets:									
1990	Mill. dol.	2,629,458	142,498	74,477	55,914	72,554	123,967	287,512	1,872,536
1991	Mill. dol.	2,688,422	140,056	70,567	58,549	72,694	127,748	295,743	1,923,066
1992	Mill. dol.	2,798,625	143,766	70,446	65,718	75,967	132,742	302,287	2,007,698
1993	Mill. dol.	2,904,869	148,763	72,854	61,243	81,389	134,388	317,774	2,087,457
1994	Mill. dol.	3,080,231	148,751	81,505	66,405	82,116	138,950	358,100	2,204,404
1995	Mill. dol.	3,345,229	155,618	87,011	68,538	87,262	159,133	370,263	2,417,403
1996	Mill. dol.	3,574,407	163,928	87,096	69,722	93,205	156,702	398,651	2,605,102
1997	Mill. dol.	3,746,797	167,921	87,398	76,034	85,186	157,130	397,559	2,775,570
1998	Mill. dol.	3,967,309	170,068	87,937	69,627	86,816	148,060	419,153	2,985,647
1999	Mill. dol.	4,382,814	170,058	85,200	67,352	97,810	138,143	398,881	3,425,370
2000	Mill. dol.	4,852,106	171,666	85,482	72,122	90,866	149,714	389,537	3,892,720
2001	Mill. dol.	4,747,789	169,701	84,664	67,493	88,088	131,617	393,752	3,812,474
2002	Mill. dol.	4,823,219	166,191	82,369	62,654	81,667	134,821	407,423	3,888,095
2003	Mill. dol.	4,978,403	161,720	81,454	61,575	75,314	129,529	395,977	4,072,834
Net profit: ²									
1990	Mill. dol.	110,128	8,527	5,160	2,769	2,661	3,525	7,110	80,377
1991	Mill. dol.	66,407	6,820	4,271	2,564	1,704	1,707	5,027	44,316
1992	Mill. dol.	22,085	9,567	4,748	3,245	3,034	4,553	5,919	-8,979
1993	Mill. dol.	83,156	11,195	5,415	3,439	3,218	3,584	4,555	51,750
1994	Mill. dol.	174,874	14,131	7,057	4,072	4,996	6,745	14,626	123,250
1995	Mill. dol.	198,151	13,224	5,668	3,767	5,771	7,000	16,549	146,172
1996	Mill. dol.	224,869	15,802	6,872	4,266	5,664	7,935	16,059	168,271
1997	Mill. dol.	234,505	17,948	8,383	4,153	4,675	7,074	18,433	183,836
1998	Mill. dol.	234,386	18,350	6,421	3,790	4,681	5,610	14,364	181,170
1999	Mill. dol.	257,805	17,398	7,618	3,504	4,798	4,795	12,756	206,934
2000	Mill. dol.	275,313	16,578	6,820	3,403	2,742	3,510	15,121	227,136
2001	Mill. dol.	36,168	8,387	3,366	-408	403	-543	-6,782	31,746
2002	Mill. dol.	134,686	10,003	2,784	807	1,699	3,356	-1,227	117,262
2003	Mill. dol.	233,578	9,408	3,330	1,967	2,868	3,238	5,433	206,778

¹ NA Not available. ² After taxes. ¹ Excludes estimates for corporations with less than \$250,000 in assets at time of sample selection.

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. See also <<http://www.census.gov/prod/2004pubs/qfr02-q4.pdf>> (released April 2004).

No. 991. Manufacturing Corporations—Selected Finances: 1990 to 2003

[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). See text, Section 15]

Year	All manufacturing corporations			Durable goods industries			Nondurable goods industries		
	Profits ¹			Profits ¹			Profits ¹		
	Sales	Before taxes	After taxes	Sales	Before taxes	After taxes	Sales	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	2,890	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	1,826	45	21	1,956	149	113
2003	4,382	307	234	2,268	114	86	2,114	193	147

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/2004pubs/qfr02-q4.pdf>> (released April 2004).

No. 992. Tobacco Products—Summary: 1990 to 2003

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

Item	Unit	1990	1995	1997	1998	1999	2000	2001	2002	2003
PRODUCTION										
Cigarettes, total	Billions	710.0	747.0	720.0	680.0	607.0	565.0	562.4	532.0	497.0
Nonfilter tip	Billions	23.0	15.0	11.9	11.5	8.0	7.3	6.1	5.4	5.1
Filter tip	Billions	687.0	732.0	707.7	669.0	599.0	557.7	556.3	526.6	491.9
Cigars	Billions	1.9	2.1	2.3	2.8	2.9	2.8	3.7	3.8	3.8
Tobacco	Mil. lb.	142.0	131.0	134.0	131.0	133.0	133.0	129.9	132.6	135.3
Smoking	Mil. lb.	16.4	12.2	11.4	12.5	15.0	14.0	12.8	15.5	18.9
Chewing tobacco	Mil. lb.	72.9	62.9	58.1	53.3	51.0	49.0	47.0	44.5	41.7
Snuff	Mil. lb.	53.1	60.2	64.3	65.5	67.0	70.0	70.1	72.6	74.7
EXPORTS										
Cigarettes	Bil. pieces	164.3	231.1	217.0	201.3	151.4	147.9	133.9	127.4	121.4
Cigars	Bil. cigars	72.0	94.0	86.0	93.0	84.0	113.0	124.0	122.7	155.0
Smoking tobacco	Bil. lb.	0.8	0.3	0.8	1.1	1.6	0.5	11.0	7.9	0.7
IMPORTS										
Cigarettes	Bil. pieces	1.4	3.0	3.2	4.3	8.7	11.3	14.7	20.8	23.1
Cigars	Bil. cigars	111.0	195.0	448.1	582.3	463.4	497.0	543.4	413.5	401.1
Smoking tobacco	Bil. lb.	2.9	4.2	4.3	4.3	4.3	4.2	1.9	2.1	2.0
CONSUMPTION										
Consumption per person ²	Lb. ³	5.6	4.7	4.5	4.5	4.3	4.2	4.1	4.2	4.1
Cigarettes	1,000	2.8	3.0	2.4	2.3	2.1	2.0	2.0	2.0	1.9
EXPENDITURES										
Consumer expenditures, total	Bil. dol.	43.8	48.7	52.2	57.3	72.1	77.5	82.9	88.2	86.6
Cigarettes	Bil. dol.	41.6	45.8	48.7	53.2	68.3	72.9	77.8	82.8	81.1
Cigars	Bil. dol.	0.7	1.0	1.2	1.6	1.8	1.8	2.1	2.2	2.3
Other	Bil. dol.	1.5	2.5	2.2	2.4	2.7	2.7	3.0	3.1	3.2

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/ersor/specialty/tbs-bb/2004/tbs256.pdf>> (released 22 April 2004).

No. 993. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1990 to 2002

[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 (mil. lb.)	Percent of end-use		
Total:													
1990	14,011	4,699	33.5	185	1.3	9,127	65.1	599	4.3	8,528	60.9		
1995	16,815	5,508	32.8	184	1.1	11,123	66.1	540	3.2	10,583	62.9		
1999	18,036	5,332	29.6	141	0.8	12,563	69.7	330	1.8	11,902	66.0		
2000	17,989	5,128	28.5	131	0.7	12,730	70.8	303	1.7	11,776	65.5		
2001	16,237	4,618	28.4	116	0.7	11,503	70.8	265	1.6	10,874	67.0		
2002	15,595	4,103	26.3	96	0.6	11,397	73.1	(NA)	(NA)	(NA)	(NA)		
Apparel:													
1990	5,204	2,897	55.7	118	2.3	2,189	42.1	287	5.5	1,902	36.5		
1995	6,877	3,640	52.9	132	1.9	3,106	45.2	306	4.4	2,800	40.7		
1999	6,445	3,278	50.9	89	1.4	3,077	47.7	172	2.7	2,894	44.9		
2000	6,153	3,089	50.2	79	1.3	2,985	48.5	150	2.4	2,822	45.9		
2001	5,436	2,648	48.7	73	1.3	2,715	49.9	135	2.5	2,571	47.3		
2002	4,773	2,232	46.8	63	1.3	2,478	51.9	(NA)	(NA)	(NA)	(NA)		
Home textiles:													
1990	2,235	1,325	59.3	14	0.6	896	40.1	104	4.7	792	35.4		
1995	2,530	1,487	58.8	12	0.5	1,030	40.7	93	3.7	937	37.0		
1999	2,831	1,656	58.5	15	0.5	1,160	41.0	66	2.3	1,080	38.1		
2000	2,866	1,644	57.4	15	0.5	1,207	42.1	65	2.3	1,122	39.1		
2001	2,669	1,587	59.5	13	0.5	1,070	40.1	53	2.0	972	36.4		
2002	2,521	1,515	60.1	10	0.4	996	39.5	(NA)	(NA)	(NA)	(NA)		
Floor coverings:													
1990	3,075	18	0.6	21	0.7	3,036	98.7	-	0.0	3,036	98.7		
1995	3,731	25	0.7	25	0.7	3,681	98.7	-	0.0	3,681	98.7		
1999	4,469	27	0.6	25	0.6	4,417	98.8	-	0.0	4,180	93.5		
2000	4,518	31	0.7	24	0.5	4,464	98.8	-	0.0	4,048	89.6		
2001	4,048	30	0.7	20	0.5	3,998	98.8	-	0.0	3,801	93.9		
2002	4,228	29	0.7	14	0.3	4,185	99.0	(NA)	(NA)	(NA)	(NA)		
Industrial:³													
1990	2,965	313	10.6	10	0.3	2,642	89.1	179	6.0	2,463	83.1		
1995	3,677	355	9.7	15	0.4	3,307	89.9	141	3.8	3,165	86.1		
1999	4,292	372	8.7	13	0.3	3,908	91.1	93	2.2	3,750	87.4		
2000	4,452	364	8.2	13	0.3	4,076	91.6	89	2.0	3,785	85.0		
2001	4,084	354	8.7	10	0.2	3,721	91.1	77	1.9	3,530	86.4		
2002	4,073	326	8.0	8	0.2	3,738	91.8	(NA)	(NA)	(NA)	(NA)		

- Represents or rounds to zero. NA Not available. 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).

No. 994. Broadwoven and Knit Fabrics—Shipments and Foreign Trade: 2002

[2,946,508 represents 2,946,508,000. 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	2,946,508	1,877,612	1,839,632	63.7	753,161	1,328,474	25.6
Manmade fiber fabrics	7,536,164	1,673,022	1,314,539	22.2	559,220	1,274,352	7.4
Silk fabrics (D)		31,417	240,871	(D)	2,780	19,506	(D)
Wool fabrics	23,224	23,283	184,223	100.3	10,324	62,095	44.5
KNIT FABRICS (quantity in 1,000 kilograms)							
Total	529,266	169,998	1,082,208	32.1	187,967	1,221,455	35.5
Pile fabrics	40,122	24,348	174,556	60.7	38,944	225,151	97.1
Elastic fabric	30,632	41,951	389,191	(S)	39,413	403,704	128.7
Other warp knit fabrics	49,710	7,324	56,717	14.7	16,018	124,114	32.2
Other narrow knit fabrics	11,807	3,267	23,692	27.7	1,370	12,923	11.6
Other knit fabrics	396,994	93,108	438,052	23.5	92,222	455,563	23.2

NA Not available. D Data withheld to avoid disclosing figures for individual companies. S Does not meet publication standards. 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/mq313025.pdf>> (issued June 2003) and <<http://www.census.gov/industry/1/ma313k02.pdf>> (issued July 2003).

No. 995. Footwear—Production, Foreign Trade, and Apparent Consumption: 2002

[Quantity in thousands of pairs (60,327 represents 60,327,000 pairs), value in thousands of dollars (315,587 represents \$315,587,000)]

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	60,327	26,291	315,587	43.6	1,508,305	13,215,517	1,542,341	97.8
Rubber or plastic uppers and rubber or plastic	2,712	10,170	108,197	375.0	521,015	2,968,166	513,557	101.5
Waterproof	2,464	824	8,686	33.4	11,037	63,139	12,677	87.1
Not waterproof	248	9,346	99,511	3,768.5	509,978	2,905,027	500,880	101.8
Leather uppers	18,248	7,861	157,752	43.1	666,889	9,023,999	677,276	98.5
Athletic	1,576	4,557	82,239	289.1	507,097	5,910,167	504,116	100.6
Leather soles	5,442	1,686	45,288	31.0	43,128	1,139,015	46,884	92.0
Other soles	11,230	1,618	30,225	14.4	116,664	1,974,817	126,276	92.4
Fabric uppers	36,163	8,260	49,638	174.3	320,401	1,223,352	348,304	92.0

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA316A, annual. See also <<http://www.census.gov/industry/1/ma316a02.pdf>> (released June 2003).

No. 996. Pharmaceutical Preparations—Value of Shipments: 1990 to 2002

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

Product description	Product code	1990	1995	1999	2000	2001	2002
		Pharmaceutical preparations, except biologicals	(X)	33,954	48,864	70,417	79,262
Affecting neoplasms, endocrine systems, and metabolic disease	3254121100	2,743	4,076	7,988	9,784	14,819	17,480
Acting on the central nervous system and sense organs	3254124100	7,219	9,228	14,881	18,508	18,975	24,322
Acting on the cardiovascular system	3254127100	4,815	5,988	9,601	8,993	9,798	10,318
Acting on the respiratory system	325412A100	3,724	5,196	8,155	10,179	11,692	12,514
Acting on the digestive system	325412D100	4,840	8,593	8,741	10,046	12,616	13,334
Acting on the skin	325412G100	1,558	2,171	2,798	2,941	2,708	2,817
Vitamin, nutrient, and hematonic preps.	325412L100	2,588	4,812	6,161	5,676	5,884	6,000
Affecting parasitic and infective disease	325412P100	5,411	7,196	9,778	11,037	11,193	11,336
Pharmaceutical preps. for veterinary use	325412T100	1,057	1,605	2,314	2,096	2,497	2,515

X Not applicable.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MA28G; thereafter, MA325G(01)-1. See also <<http://www.census.gov/industry/1/ma325g02.pdf>> (released July 2003).

No. 997. Inorganic Chemicals and Fertilizers—Production: 1995 to 2002

[17,402 represents 17,402,000]

Product description	Unit	1995	1998	1999	2000	2001	2002
INORGANIC FERTILIZERS							
Ammonia, synthetic anhydrous	1,000 sh. tons	17,402	18,475	17,337	15,809	12,227	13,598
Ammonium nitrate, original solution	1,000 sh. tons	8,489	9,079	7,630	7,979	6,431	6,973
Ammonium sulfate	1,000 sh. tons	2,647	2,787	2,875	2,808	2,588	2,848
Urea (100%)	1,000 sh. tons	8,117	8,865	8,907	7,682	6,702	7,758
Nitric acid (100%)	1,000 sh. tons	8,839	9,285	8,945	8,708	7,074	7,651
Phosphoric acid (100% P ₂ O ₅)	1,000 sh. tons	13,134	13,891	13,708	12,492	11,546	11,846
Sulfuric acid, gross (100%)	1,000 sh. tons	47,519	48,513	44,756	43,643	40,064	39,196
Superphosphates and other fertilizer materials (100% P ₂ O ₅)	1,000 sh. tons	10,364	10,260	9,133	8,899	8,109	8,545
INORGANIC CHEMICALS							
Chlorine gas	1,000 metric tons	12,395	11,650	12,114	14,000	11,489	11,684
Sodium hydroxide, total liquid	1,000 metric tons	11,408	11,896	11,974	11,523	9,813	9,461
Potassium hydroxide liquid	(D)	450	430	539		465	470
Finished sodium bicarbonate	1,000 metric tons	520	493	505	536	513	535
Titanium dioxide, composite and pure	1,000 metric tons	1,382	1,323	1,355	1,547	1,327	1,409
Hydrochloric acid	1,000 metric tons	3,904	4,226	4,191	4,717	3,970	4,038
Aluminum oxide	1,000 metric tons	4,764	4,537	4,016	(D)	2,863	(D)
Aluminum sulfate (commercial)	1,000 metric tons	1,144	1,058	1,052	1,076	1,020	1,054
Sodium chlorate	1,000 metric tons	617	707	742	940	792	721
Sodium phosphate tripoly	1,000 metric tons	(D)	205	(D)	(D)	(D)	(D)
Sodium silicates ¹	1,000 metric tons	1,203	1,097	992	1,136	1,070	1,054
Sodium metasilicates	1,000 metric tons	93	70	63	72	63	58
Sodium sulfate	1,000 metric tons	(D)	571	599	509	76	74
Carbon activated ²	1,000 metric tons	156	150	151	166	(S)	(D)
Hydrogen peroxide	1,000 metric tons	355	324	342	1,083	(S)	(S)
Phosphorous, oxychloride and trichloride	1,000 metric tons	226	(D)	163	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies. NA Not available. 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/cir/www/325/mq325a.html>> (released August 2002) and <<http://www.census.gov/industry/1/mq325a025.pdf>> (issued August 2003)

No. 998. Aluminum—Supply, Shipments, and Foreign Trade: 1990 to 2003

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

Item	1990	1995	1998	1999	2000	2001	2002	2003
SUPPLY								
Aluminum supply, total	17,334	20,425	22,970	24,590	23,586	20,071	21,118	21,147
Primary production	8,925	7,441	8,185	8,330	8,087	5,812	5,964	5,962
Recovery from scrap	5,276	7,028	7,589	8,146	7,606	6,572	6,452	6,216
Imports of ingot and mill products	3,133	5,956	7,196	8,113	7,893	7,687	8,702	8,969
Aluminum net shipments, total¹	17,188	21,019	23,189	24,673	24,496	22,519	23,601	23,280
PRODUCT								
Mill products, total	13,013	15,716	17,019	17,989	17,676	15,467	15,715	15,667
Sheet, plate, and foil	9,297	11,168	11,801	12,437	12,116	10,376	10,573	10,561
Rod, bar, and wire	370	534	657	670	690	571	172	139
Electrical conductor	542	566	631	676	681	676	705	698
Extruded shapes and tube	2,546	3,102	3,559	3,817	3,792	3,482	3,903	3,909
Powder and paste	106	108	123	130	142	142	142	146
Forgings and impacts	152	238	248	259	255	220	220	214
Ingot for castings and other ²	4,175	5,303	6,170	6,684	6,820	7,052	7,886	7,613
MARKET								
Domestic, total	14,637	18,152	20,358	21,707	21,680	20,531	21,245	21,390
Building and construction	2,663	2,679	3,070	3,237	3,204	3,297	3,447	3,442
Transportation	3,205	5,749	7,162	7,938	7,947	7,035	7,516	7,761
Consumer durables	1,122	1,369	1,599	1,675	1,692	1,502	1,592	1,586
Electrical	1,309	1,395	1,527	1,646	1,704	1,513	1,493	1,444
Machinery and equipment	992	1,257	1,386	1,458	1,496	1,414	1,359	1,368
Containers and packaging	4,772	5,088	5,012	5,106	4,992	4,961	4,979	4,941
Other	574	615	602	647	645	809	859	848
Exports	2,551	2,867	2,831	2,967	2,816	1,988	2,356	1,890
FOREIGN TRADE³								
Exports	3,753	3,846	3,743	3,865	4,097	3,712	3,729	3,662
Imports	3,718	6,910	8,342	9,506	9,357	8,853	9,680	9,885

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.

No. 999. 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	1997	1998	1999	2000	2001	2002, prel.
Steel mill products, apparent supply	Mil. tons ¹	95.5	109.6	124.6	131.6	127.9	131.9	116.4	117.0
Net shipments	Mil. tons	85.0	97.5	105.9	102.4	106.2	109.1	98.9	99.2
Exports	Mil. tons ¹	4.3	7.1	6.0	5.5	5.4	6.5	6.1	6.0
Imports	Mil. tons ¹	17.2	24.4	31.2	41.5	31.2	29.4	30.1	32.6
Scrap consumed	Mil. tons ¹	50.1	62.0	64.0	64.0	62.0	65.0	63.0	(NA)
Scrap inventory	Mil. tons ¹	3.6	4.1	5.5	4.5	5.3	5.3	4.9	(NA)
Iron and steel products: Exports	Mil. tons ¹	5.3	8.2	7.4	6.9	6.7	7.7	7.2	7.0
Imports	Mil. tons ¹	21.9	27.3	34.4	45.4	40.2	42.6	34.4	37.3
Capacity by steelmaking process	Mil. net ton	116.7	112.4	121.4	125.3	128.2	130.3	125.5	113.7
Revenue	Bil. dol.	30.9	35.1	36.6	38.1	36.3	38.8	31.0	(NA)
Net income	Bil. dol.	0.1	1.5	1.0	1.1	-0.5	-1.1	-3.9	(NA)
Stockholders' equity	Bil. dol.	4.3	8.6	9.8	12.5	11.8	9.9	5.5	(NA)
Total assets	Bil. dol.	28.3	35.1	38.3	42.2	43.7	43.9	38.1	(NA)
Capital expenditures	Bil. dol.	2.6	2.5	2.7	3.1	2.8	2.1	1.1	(NA)
Working capital ratio ²	Ratio	1.6	1.5	1.6	1.6	1.7	1.7	1.6	(NA)
Inventories	Bil. dol.	4.7	5.1	5.8	6.8	6.5	6.8	5.7	(NA)
Average employment	1,000	169.0	122.6	111.8	109.6	102.2	99.5	88.0	(NA)
Hours worked	Million	350.0	269.2	247.2	240.0	222.7	219.7	186.4	(NA)
Index of output, all employees ³	1997=100	106.5	89.7	100.0	101.7	106.5	108.5	106.7	(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/prhome.htm>>. Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 1000. 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	1997	1998	1999	2000	2001	2002
Net shipments, total¹	84,981	97,494	105,858	102,420	106,201	109,050	99,448	99,191
Automotive	11,100	14,622	15,251	15,842	16,771	16,063	14,059	12,562
Steel service centers, distributors	21,111	23,751	27,800	27,751	28,089	30,108	27,072	22,828
Construction, incl. maintenance ²	9,245	14,892	15,885	15,289	18,428	20,290	21,543	15,729
Containers, packaging, shipping	4,474	4,139	4,163	3,829	3,842	3,708	3,232	3,251
Machinery, industrial equipment, tools	2,388	2,310	2,355	2,147	1,722	1,784	1,456	1,137
Steel for converting and processing	9,441	10,440	11,263	9,975	11,309	12,708	10,311	7,201
Rail transportation	1,080	1,373	1,410	1,657	1,031	1,307	981	751
Contractors' products	2,870	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Oil and gas industries	1,892	2,643	3,811	2,649	2,151	2,885	2,953	1,658
Electrical equipment	2,453	2,397	2,434	2,255	2,267	2,055	1,684	1,336
Appliances, utensils, and cutlery	1,540	1,589	1,635	1,729	1,789	1,907	1,820	1,734

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).

No. 1001. Metalworking Machinery—Value of Shipments: 1990 to 2002

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

Product	NAICS product code	1990	1995	1998	1999	2000	2001	2002
Metalworking machinery	(X)	3,426.1	4,547.1	4,817.1	3,783.3	3,632.4	2,987.6	2,002.1
Metal cutting type ¹	(X)	2,371.3	3,036.6	3,481.8	2,512.6	2,552.4	2,163.7	1,418.7
Boring machines	333512A1	(²)	172.4	73.6	53.8	87.2	124.8	128.3
Drilling machines ²	333512A1	184.1	78.9	102.9	50.6	23.7	22.6	17.1
Gear cutting machines	33351211	102.7	137.1	197.7	132.0	180.6	137.2	111.0
Grinding and polishing machines	33351220	433.6	549.6	535.5	477.1	454.3	367.7	210.7
Lathes	33351230	355.6	478.0	472.9	297.4	287.0	262.0	132.4
Milling machines ⁴	33351240	214.3	194.8	281.1	200.5	150.5	137.8	56.1
Machining centers ⁵	33351270	437.0	698.8	897.3	597.9	629.7	435.5	273.6
Station type machines	33351280	502.1	477.0	571.0	407.1	401.8	347.9	169.9
Other metal cutting machine tools ⁶	33351290	141.9	246.2	344.6	291.7	333.2	276.4	238.3
Metal forming type	(X)	1,080.2	1,510.5	1,335.3	1,270.7	1,080.0	823.9	583.4
Punching and shearing machines	33351310 pt.	200.1	326.3	254.3	220.0	230.8	155.3	105.9
Bending and forming machines	33351310 pt.	222.9	256.9	262.7	265.8	262.4	202.6	141.3
Presses, except forging	33351330	308.3	379.2	399.5	433.7	303.1	180.3	140.1
Forging machines ⁷	33351350 pt.	73.9	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming ⁷	33351350 pt.	275.0	548.1	418.8	351.2	310.7	275.8	187.4

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 2002, 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 2003).

No. 1002. U.S. Machine Tool Consumption—Gross New Orders and Exports: 2002 and 2003

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

No. 1003. Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 2002

[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	1999	2000	2001	2002
Total	(X)	56,301	118,906	141,660	164,853	118,868	111,407
Transmittal, industrial, and special-purpose electron tubes (except x-ray)	3344111	1,097	855	673	703	700	594
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 3,579	² 3,458	² 2,847	² 2,043
Electron tube parts	3344117	143	120	136	144	125	69
Printed circuit boards	3344120	7,175	8,367	9,150	11,892	8,910	6,045
Integrated microcircuits (semiconductor networks)	3344131	16,623	48,438	62,868	73,664	46,337	55,772
Transistors	3344134	682	943	994	1,569	913	747
Diodes and rectifiers	3344137	668	1,067	1,038	621	403	281
Other semiconductor devices	334413A	5,741	12,639	11,745	9,757	7,632	6,805
Capacitors for electronic applications	3344140	1,392	1,785	2,035	2,786	1,734	1,300
Resistors	3344150	800	953	971	982	776	683
Coils, transformers, reactors, and chokes for electronic applications	3344160	976	1,412	1,423	1,719	1,362	1,130
Coaxial connectors	3344171	420	732	631	805	506	366
Cylindrical connectors	3344174	514	553	550	725	688	672
Rack and panel connectors	3344177	500	541	391	532	359	234
Printed circuit connectors	334417A	805	1,026	1,376	1,811	1,147	744
Other connectors including parts	334417D	1,085	1,402	2,041	2,059	2,052	1,288
Filters (except microwave) and piezoelectric devices	3344191	457	729	858	1,168	984	718
Transducers, electrical/electronic input or output	3344194	741	1,111	1,331	1,519	1,331	1,154
Switches, mechanical types for electronic circuitry	3344197	579	666	883	903	828	840
Printed circuit assemblies	334418A	8,269	24,448	30,091	37,273	31,214	23,259
Microwave components and devices	334419A	1,369	1,233	1,622	2,435	1,848	1,599
All other electronic components n.e.c	334419D	4,898	6,978	7,276	8,332	6,173	5,067

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/ma334q02.pdf>> (revised 07 August 2003).

No. 1004. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 2002

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

Selected products	1990	1995	1998	1999	2000	2001	2002
Electronic computers ¹	25,630	49,038	56,892	64,696	62,857	48,541	41,818
Host computers (multi-users)	(NA)	(NA)	15,010	21,089	22,877	16,469	14,207
Single user computers	(NA)	(NA)	41,002	42,765	38,981	31,492	26,749
Other computers	(NA)	(NA)	48	(D)	998	581	862
Loaded computer processor boards and board subassemblies ²	2,247	24,448	26,047	30,091	37,273	31,214	23,259
Computer storage devices & equipment	7,488	7,903	9,319	9,827	8,995	7,319	5,661
Parts for computer storage devices & subassemblies	955	2,236	2,310	2,254	1,692	1,699	1,560
Computer terminals	2,067	1,086	529	541	415	361	286
Computer peripheral equipment, n.e.c.	7,697	12,331	12,145	12,889	12,434	10,637	10,364
Parts for input/output equipment	3,706	2,391	2,630	2,388	2,766	2,360	2,217
Calculating and accounting machines	(D)	1,279	1,061	1,196	1,210	1,191	828
Magnetic and optical recording media	3,695	5,106	4,736	3,907	3,206	2,228	2,325

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 Industry 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/ma334r02.pdf>> (released August 2003).

No. 1005. Computers and Office and Accounting Machines—Shipments: 2001 and 2002

[Quantity in thousands of units (22,209 represents 22,209,000, value in millions of dollars (48,541 represents \$48,541,000,000)]

Product	Number of companies, 2002	Quantity (1,000)		Value (mil. dol.)	
		2001	2002	2001	2002
Electronic computers (automatic data processors)	125	22,209	19,647	48,541	41,818
Host computers (multi-users):					
Large scale systems and unix servers	13	309	106	4,701	4,036
Medium-scale systems and unix servers	22	323	279	8,301	6,704
PC servers	24	(D)	(D)	(D)	(D)
Other host computers	9	(D)	(D)	(D)	(D)
Single user computers:					
Personal computers	34	14,591	12,920	18,870	16,186
Workstations	38	1,316	1,132	3,381	2,380
Laptops (AC/DC)	9	7	8	21	23
Notebooks, subnotebooks (battery operated)	16	4,249	4,126	8,682	7,850
Personal digital assistants	6	(D)	(D)	(D)	(D)
Other portable computers	7	(D)	(D)	(D)	(D)
Other single user computers	6	184	102	94	55
Other computers	31	106	120	581	862
Computer storage devices and equipment	58	(X)	(X)	7,319	5,661
Parts for computer storage devices and subassemblies	18	(X)	(X)	1,699	1,560
Computer terminals	31	(X)	(X)	361	286
Computer peripheral equipment, n.e.c. ¹	202	(X)	(X)	10,637	10,364
Keyboards	24	(D)	(D)	(D)	(D)
Computer printers:					
Laser	25	3,475	1,270	2,011	1,803
Inkjet	11	7,986	(D)	615	(D)
Calculating and accounting machines	33	(X)	(X)	1,191	828
Printed circuit assemblies	654	(X)	(X)	31,214	23,259
Magnetic and optical recording media	36	(X)	(X)	2,228	2,325

D Withheld to avoid disclosure of individual companies. X Not applicable. 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/ma334r02.pdf>> (released August 2003).

No. 1006. Computers and Industrial Electronics—Factory Shipments: 1990 to 2001

[In millions of dollars (50,793.2 represents 50,793,200,000)]

Item	1990	1995	1998	1999	2000	2001
Computer and peripheral equipment, total	50,793.2	73,555.0	78,355.5	87,412.0	84,286.7	68,035.9
Computers	25,973.1	49,038.0	56,891.5	64,696.1	62,856.9	49,289.0
Peripheral equipment	24,820.1	24,517.0	21,464.0	22,715.9	21,429.8	18,746.9
Industrial electronics, total	26,182.6	33,732.0	36,887.2	37,733.9	41,525.8	34,108.6
Controlling, processing equipment	12,728.0	16,450.0	18,081.7	18,220.5	19,219.7	17,513.9
Testing, measuring equipment	6,859.1	10,109.0	11,212.7	11,563.5	14,635.7	11,072.1
Nuclear electronic equipment	566.8	501.0	560.2	538.0	568.2	544.1
Robots, accessories, and components	275.0	(NA)	(NA)	(NA)	(NA)	(NA)
Other electronic equipment	5,753.7	6,672.0	7,032.5	7,411.9	7,102.2	4,978.5

NA Not available.

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

No. 1007. Consumer Electronics and Electronic Components— Factory Sales by Product Category: 1990 to 2003

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

Product category	1990	1995	1999	2000	2001	2002	2003
Total ¹	43,033	67,905	85,553	96,369	93,711	94,175	96,351
Video products	12,440	15,376	16,307	17,920	16,607	18,765	19,095
Analog direct-view color TV	6,197	6,798	6,199	6,503	5,130	5,782	4,769
Analog projection TV	626	1,417	1,632	1,481	1,060	733	315
Monochrome TV	99	34	20	15	15	12	9
Digital direct-view and projection TV	(NA)	(NA)	295	1,355	2,485	3,574	4,009
LCD TV	83	75	61	107	101	246	651
Plasma TV	(NA)	(NA)	(NA)	(NA)	116	515	1,457
TV Combinations	178	723	1,014	969	790	993	718
Videocassette players	65	59	15	14	5	4	2
VCR decks	2,439	2,767	2,333	1,861	1,058	826	374
Camcorders	2,260	2,130	2,444	2,838	2,236	2,361	2,105
Direct-to-home satellite	421	1,265	957	790	1,175	1,116	1,380
Personal video recorders	(NA)	(NA)	46	77	144	57	193
Digital versatile disc players (DVD)	(NA)	(NA)	1,099	1,717	2,097	2,427	3,050
Home and portable products	5,210	6,378	6,037	6,323	5,726	5,111	4,619
Compact audio systems	1,270	1,162	1,695	1,776	1,357	965	656
Separate audio components	1,935	1,911	1,530	1,545	1,261	1,202	960
Home radios	360	284	348	351	326	300	289
Portable audio equipment	1,645	2,506	1,987	2,156	1,846	1,526	1,289
Portable MP3 players	(NA)	(NA)	100	80	100	205	556
Mobile electronics	5,733	11,422	12,957	16,958	16,656	16,031	16,840
Aftermarket autousound equipment	1,192	1,931	2,070	2,169	2,098	2,211	1,904
Mobile video and navigation	(NA)	(NA)	(NA)	(NA)	293	429	422
Factory installed autousound	3,100	3,100	2,610	2,700	2,850	2,950	3,245
Wireless (cellular) telephones	1,133	2,574	6,066	8,995	8,651	8,106	9,163
Pagers	118	300	660	750	790	810	729
Family Radio Services (FRS)	(NA)	(NA)	(NA)	(NA)	461	251	235
Vehicle security	190	142	205	218	266	265	260
PDAs	(NA)	(NA)	(NA)	(NA)	1,077	875	759
Home office products	11,021	24,140	34,526	36,856	34,923	32,418	33,313
Cordless telephones	842	1,141	1,808	1,562	1,960	1,261	1,139
Corded telephones	638	557	483	386	294	266	251
Telephone answering devices	827	1,077	1,044	984	1,062	1,060	1,181
Caller ID devices	(NA)	(NA)	(NA)	(NA)	35	20	11
Home computers	4,187	12,600	16,390	16,400	12,960	11,523	12,458
Computer printers	(NA)	2,430	4,500	5,116	5,245	4,829	4,196
Modems/fax modems	(NA)	770	1,460	1,564	1,564	1,445	1,419
Computer peripherals	1,980	816	1,950	1,950	2,150	2,256	2,425
Computer software (incl. CDROM)	971	2,500	4,480	4,480	5,062	4,961	5,060
Home fax machines	920	919	455	387	349	297	242
Digital cameras	(NA)	(NA)	1,209	1,825	1,972	2,794	3,421
Electronic gaming:							
Electronic gaming hardware	975	1,500	2,250	2,700	3,250	3,750	3,188
Electronic gaming software	2,400	3,000	5,100	5,850	6,725	7,375	7,744
Blank media:							
Blank audio cassettes	376	334	208	162	129	98	87
Blank videocassettes	948	708	590	351	357	602	569
Blank computer media	314	373	900	1,200	1,550	1,600	1,800
Accessories and batteries:							
Electronic accessories	793	944	1,398	1,356	1,378	1,500	1,635
Total primary batteries	1,383	2,600	3,620	4,943	4,590	4,960	5,406

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

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

No. 1008. Communication Equipment—Value of Shipments: 1990 to 2002

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

Product description	NAICS product code ¹	1990	1995	1999	2000	2001	2002
Total	(X)	36,990	56,362	89,557	104,389	93,803	66,523
Telephone switching and switchboard equipment	3342101	7,537	8,178	13,742	15,174	12,188	7,366
Carrier line equipment and modems	3342104	5,014	5,869	9,263	13,112	10,943	4,730
Other telephone and telegraph equipment and components	3342107	3,181	10,510	23,258	28,971	22,841	17,648
Communication systems and equipment (except broadcast)	3342201	14,768	23,032	33,281	36,357	36,501	25,600
Broadcast, studio, and related electronic equipment	3342203	1,856	2,845	4,000	4,029	3,490	3,300
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346	296	401	447	451	367
Alarm systems	3342901	1,027	1,662	2,218	2,755	2,374	2,993
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	471	711	952	838	806	808
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,209	913	701	782	1,172	728
Laser sources	3359997	(NA)	788	(S)	(S)	1,051	938
Ultrasonic equipment	335999A	109	172	226	272	233	174
Other electronic systems and equipment, n.e.c.	335999C	1,473	1,387	1,515	1,652	1,752	1,870

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/ma334p02.pdf>> (released September 2003)

No. 1009. Motor Vehicle Manufacturers—Summary by Selected Industry: 2001

[Payroll of 47,955 represents \$47,955,000,000. 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.)
		Payroll		Per employee (dol.)		
		Number	Total (mil. dol.)			
Motor vehicle manufacturing, total	3361-3363	1,073,104	47,955	44,688	867,975	427,176
Motor vehicle, total	3361	213,981	12,647	59,102	186,209	216,128
Automobile & light duty motor vehicle	33611	186,527	11,435	61,304	165,090	203,514
Automobile	336111	91,062	5,388	59,166	78,607	87,046
Light truck & utility vehicle	336112	95,465	6,047	63,343	86,483	116,468
Heavy duty truck	33612	27,454	1,212	44,142	21,119	12,613
Motor vehicle body & trailer	3362	123,120	3,807	30,924	97,153	24,209
Motor vehicle body & trailer	33621	123,120	3,807	30,924	97,153	24,209
Motor vehicle body	336211	41,771	1,325	31,725	30,830	10,535
Truck trailer	336212	26,360	825	31,286	20,934	4,296
Motor home	336213	16,102	502	31,169	13,064	3,345
Travel trailer & camper	336214	38,887	1,156	29,716	32,325	6,034
Motor vehicle parts	3363	736,003	31,501	42,800	584,613	186,839
Motor vehicle gasoline engine & engine parts	33631	88,635	4,288	48,377	73,021	28,202
Carburetor, piston, piston ring, & valve	336311	16,656	745	44,749	13,944	2,907
Gasoline engine & engine parts	336312	71,979	3,543	49,217	59,077	25,294
Motor vehicle electrical & electronic equip.	33632	109,477	4,312	39,391	80,650	23,310
Vehicular lighting equipment	336321	14,665	640	43,665	10,913	2,780
Other motor vehicle electrical & electronic equipment	336322	94,812	3,672	38,730	69,737	20,530
Motor vehicle steering & suspension components, ex. spring	33633	47,015	2,207	46,948	38,239	10,044
Motor vehicle brake system	33634	38,736	1,420	36,660	29,542	10,636
Motor vehicle transmission & power train parts	33635	98,753	5,178	52,455	79,306	31,466
Motor vehicle seating & interior trim	33636	52,670	1,675	31,793	42,269	14,814
Motor vehicle metal stamping	33637	112,488	5,392	47,932	94,033	21,858
Other motor vehicle parts	33639	188,229	7,029	37,341	147,555	46,510

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. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. 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 M01(AS)-1. See also <<http://www.census.gov/prod/2003pubs/m01-as1.pdf>> (issued January 2003).

No. 1010. Motor Vehicle Manufacturers—Employees, Payroll, and Shipments by Major State: 2001

[Payroll of 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	11,287	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	80	(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	93,497	4,226	22,712
Iowa	(NA)	(NA)	(NA)	8,000	247	1,403	9,169	307	1,693
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	119	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	80	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

D Withheld to avoid disclosing data on individual companies. NA Not available. 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).

No. 1011. Aerospace—Sales, New Orders, and Backlog: 1990 to 2002

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

Item	1990	1995	1998	1999	2000	2001	2002
Net sales	136.6	102.8	119.3	124.2	109.3	117.1	111.3
Percent U.S. Government	53.8	50.5	33.5	36.3	37.5	38.6	46.5
Complete aircraft and parts ¹	49.9	42.5	63.6	68.0	57.2	58.7	51.9
Aircraft engines and parts	16.4	12.5	12.8	14.4	12.5	15.9	14.8
Missiles and space vehicles, parts	22.0	18.4	16.1	15.7	15.6	15.5	15.0
Other products, services	48.3	29.4	26.7	26.1	24.0	26.9	29.6
Net, new orders	146.0	109.1	110.0	115.3	140.1	122.2	114.6
Backlog, Dec. 31	250.1	202.6	200.3	188.4	215.0	220.1	222.8

¹ Except engines sold separately.

Source: U.S. Census Bureau, 1990-1995, *Current Industrial Reports*, Series M37G; thereafter M336G. See also <<http://www.census.gov/industry1/m336g0213.pdf>> (released August 2003).

No. 1012. 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	1998	1999	2000	2001	2002	2003
Total number ¹	670	421	601	346	585	271	174	237
U.S. customers	259	138	392	192	412	49	89	84
Foreign customers	411	283	209	70	193	130	172	185
Boeing 737, total	189	189	350	258	378	184	117	204
U.S. customers	38	85	207	155	302	51	64	74
Foreign customers	151	104	143	45	86	73	127	145
Boeing 747, total	153	35	-4	22	24	16	17	4
U.S. customers	24	2	1	1	1	7	-	-
Foreign customers	129	33	-5	19	18	13	13	9
Boeing 757, total	66	-7	47	18	43	23	-	-1
U.S. customers	33	-6	34	7	38	15	2	-7
Foreign customers	33	-1	13	2	14	6	-	6
Boeing 767, total	60	26	40	32	6	32	-2	10
U.S. customers	23	4	31	21	-2	-1	1	-
Foreign customers	37	22	9	1	14	9	12	15
Boeing 777, total	34	83	65	21	113	30	26	12
U.S. customers	34	-	42	8	60	-	-1	11
Foreign customers	-	83	23	8	53	20	27	8
McDonnell Douglas MD-11, total	52	-6	12	-	-	-	-	-
U.S. customers	16	3	3	-	-	-	-	-
Foreign customers	36	-9	9	-	-	-	-	-
McDonnell Douglas MD-80/90, total	116	51	26	-20	-	-	-	-
U.S. customers	91	-	24	-	-	-	-	-
Foreign customers	25	51	2	-20	-	-	-	-
McDonnell Douglas MD-95, total	-	50	65	15	21	-14	16	8
U.S. customers	-	50	50	-	13	-23	23	6
Foreign customers	-	-	15	15	8	9	-7	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>>.

No. 1013. 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	1,940	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	357	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/inform/information.htm>>

No. 1014. Aerospace Industry Sales by Product Group and Customer: 1990 to 2004

[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 1011]

Product group and customer	Year									
	1990	1995	1997	1998	1999	2000	2001	2002 ¹	2003 ²	2004 ²
CURRENT DOLLARS										
Total sales	134.4	107.8	131.6	148.0	153.7	144.7	154.2	153.4	147.1	148.1
Product group:										
Aircraft, total	71.4	55.0	70.8	84.0	88.7	81.6	86.4	80.2	73.2	72.6
Civil ⁴	31.3	24.0	37.4	49.7	52.9	47.6	51.3	42.3	33.7	32.0
Military	40.1	31.1	33.4	34.3	35.8	34.0	35.2	37.9	39.5	40.6
Missiles	14.2	7.4	8.0	7.7	8.8	9.3	10.4	12.7	12.9	13.2
Space	26.4	27.4	30.8	31.6	30.5	29.7	31.7	35.0	35.1	36.0
Related products and services ⁵	22.4	18.0	21.9	24.7	25.6	24.1	25.7	25.6	25.9	26.3
Customer group:										
Aerospace, total	112.0	89.8	109.7	123.3	128.1	120.6	128.5	127.8	121.2	121.8
DOD ⁶	60.5	42.4	43.7	42.9	45.7	47.5	50.1	57.0	59.1	61.0
NASA ⁷ and other agencies	11.1	11.4	12.8	13.3	13.4	13.4	14.5	16.4	16.5	17.1
Other customers ⁸	40.4	36.0	53.2	67.0	69.0	59.7	63.9	54.5	45.6	43.7
Related products and services ⁵	22.4	18.0	21.9	24.7	25.6	24.1	25.7	25.6	25.9	26.3
CONSTANT (1987) DOLLARS³										
Total sales	123.7	86.6	103.0	115.2	118.8	108.6	112.6	110.7	104.2	103.0
Product group:										
Aircraft, total	65.7	44.2	55.4	65.3	68.6	61.2	63.1	57.8	51.8	50.5
Civil ⁴	28.8	19.2	29.3	38.7	40.9	35.7	37.4	30.5	23.9	22.3
Military	36.9	25.0	26.1	26.7	27.7	25.5	25.7	27.3	27.8	28.2
Missiles	13.1	5.9	6.3	6.0	6.8	7.0	7.6	9.1	9.1	9.2
Space	24.4	22.0	24.1	24.6	23.6	22.3	23.1	25.2	24.9	25.0
Related products and services ⁵	20.6	14.4	17.2	19.2	19.8	18.1	18.8	18.4	18.34	18.3
Customer group:										
Aerospace, total	103.1	72.1	85.8	96.0	99.0	90.5	93.9	92.2	85.8	84.7
DOD ⁶	55.7	34.1	34.2	33.4	35.3	35.6	36.6	41.1	41.9	42.4
NASA ⁷ and other agencies	10.0	9.2	10.0	10.4	10.4	10.0	10.6	11.8	11.7	11.9
Other customers ⁸	36.5	28.9	41.6	52.2	53.3	44.8	46.7	39.3	32.3	30.4
Related products and services ⁵	20.6	14.4	17.2	19.2	19.8	18.1	18.8	18.4	18.3	18.3

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, *2004 Year-end Review and Forecast*; and Internet site <<http://www.aia-aerospace.org>>

No. 1015. Major Household Appliances—Value of Shipments: 1990 to 2002

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

Product	Product code	Year						
		1990	1995	1998	1999	2000	2001	2002
Total	33522	11,670.0	13,966.2	15,551.4	16,622.3	17,041.0	16,710.6	17,672.8
Electric household ranges, ovens, and surface cooking units, equipment and parts	3352211110	1,659.8	1,791.8	2,242.9	2,197.1	2,170.3	2,004.5	1,918.4
Gas household ranges, ovens, and surface cooking units, equipment and parts	3352213000	739.4	654.1	696.7	786.3	779.1	902.0	937.1
Other household ranges, cooking equipment, outdoor cooking equipment incl. parts and accessories	3352215000	581.1	911.6	1,029.0	1,218.6	1,251.1	1,027.0	1,054.0
Household refrigerators ^{1,2}	3352221000	3,208.1	4,739.4	5,035.6	4,968.8	5,395.8	5,227.1	5,164.3
Food freezers, complete units, for freezing and/or storing frozen food- (household type) ²	3352222000	226.6	(D)	(D)	(D)	(D)	(D)	(D)
Parts and attachments for household refrigerators and freezers	3352223000	134.0	111.8	89.7	92.4	99.4	63.7	77.9
Household laundry machines and parts	3352240000	2,924.5	3,095.4	3,327.3	4,029.7	4,046.6	4,162.0	4,296.4
Water heaters, electric	3352281000	433.8	513.0	541.3	580.0	572.7	555.7	576.0
Water heaters, except electric	3352283000	577.2	681.8	810.7	842.8	843.6	799.3	842.9
Household appliances, n.e.c. and parts	3352285000	1,185.5	1,579.2	1,867.9	1,998.8	2,066.1	2,033.1	2,255.0

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/ma335f02.pdf>> (released July 2003).