

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 *Manufacturing Profiles*, an annual compilation of the formerly printed series of *Current Industrial Reports*. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. These numbers were recently changed to a new index base year (1992 = 100) as of 1997. 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 such as The Conference Board, Inc., the American Iron and Steel Institute, the Electronic Industries Association, and several others.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the U.S. Census Bureau. 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 993), American Iron and Steel Institute (Tables 994-996), Consumer Electronics Association (Tables 1003 and 1004), and the Aerospace Industries Association (Tables 1012-1014). Machine tool consumption data (Table 997) 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). For additional information see text, Section 15, Business Enterprise, and the Census Bureau Web site at <<http://www.census.gov/epcd/www/NAICS.html>>. 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 1999 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—

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.

The Manual defines an industry as a number of establishments producing a single product or a closely related group of products. In the manual, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products

of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason, care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

Most tables in this section use the new way of organizing economic statistics called the North American Industry Classification System (NAICS). For more information on this system, see *North American Industry Classification System (NAICS) - United States, 1997*.

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.

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

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

No. 971. Gross Domestic Product in Manufacturing in Current and Real (1996) Dollars by Industry: 1990 to 1999

[In billions of dollars (5,803.2 represents \$5,803,200,000,000). Data are based on the 1987 Standard Industrial Classification (SIC). 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	1990	1993	1994	1995	1996	1997	1998	1999
CURRENT DOLLARS								
Gross domestic product ¹	5,803.2	6,642.3	7,054.3	7,400.5	7,813.2	8,318.4	8,790.2	9,299.2
Manufacturing	1,040.6	1,131.4	1,223.2	1,289.1	1,316.0	1,379.6	1,436.0	1,500.8
Durable goods	586.6	632.8	694.1	729.8	748.4	791.2	833.4	877.8
Lumber and wood products	32.2	35.7	39.8	42.3	39.9	41.2	41.4	44.1
Furniture and fixtures	15.6	18.1	18.9	19.5	20.7	22.7	24.1	25.9
Stone, clay, and glass products	25.3	26.4	30.4	32.4	33.2	37.2	38.2	41.0
Primary metal industries	43.2	43.0	47.6	53.0	50.8	52.6	54.1	54.9
Fabricated metal products	69.4	73.4	83.2	87.2	93.1	97.6	102.2	105.5
Industrial machinery	118.2	113.7	121.0	132.8	136.3	143.2	150.8	158.2
Electronic & other electric equipment	105.7	121.0	139.3	146.9	153.2	165.9	172.8	186.6
Motor vehicles and equipment	47.3	78.0	95.2	98.2	92.2	96.5	107.2	114.5
Other transportation equipment	60.5	54.2	49.6	47.7	51.4	55.5	59.2	59.6
Instruments and related products	49.3	48.4	46.8	47.2	53.7	53.6	57.7	60.0
Misc. manufacturing industries	19.8	20.9	22.3	22.7	23.8	25.2	25.7	27.6
Nondurable goods	454.0	498.6	529.1	559.2	567.6	588.4	602.6	623.1
Food and kindred products	96.4	107.6	110.2	121.1	118.7	123.1	124.8	131.4
Tobacco manufactures	11.9	12.3	13.2	15.1	14.8	15.4	16.8	19.9
Textile mill products	22.0	25.7	25.6	24.8	25.3	25.7	25.4	25.3
Apparel and other textile products	25.4	27.7	28.5	27.3	27.0	26.5	25.8	25.5
Paper and allied products	45.0	46.9	50.1	58.9	55.9	53.8	55.1	57.0
Printing and publishing	73.1	78.5	83.5	80.8	88.2	91.1	94.0	99.0
Chemicals and allied products	109.9	122.7	138.7	150.8	153.6	164.8	168.4	176.3
Petroleum and coal products	31.7	31.0	29.3	29.0	30.2	31.4	32.9	28.6
Rubber and misc. plastic products	33.9	41.6	44.9	46.1	49.7	52.1	55.1	55.8
Leather and leather products	4.7	4.7	5.0	5.3	4.2	4.3	4.2	4.2
CHAINED (1996) DOLLARS								
Gross domestic product, total ¹	6,707.9	7,062.6	7,347.7	7,543.8	7,813.2	8,159.5	8,515.7	8,875.8
Manufacturing	1,102.3	1,122.9	1,206.0	1,284.7	1,316.0	1,387.3	1,446.4	1,529.4
Durable goods	585.1	600.3	656.5	714.9	748.4	813.0	892.4	970.5
Lumber and wood products	45.1	36.9	38.9	41.6	39.9	39.5	39.5	40.8
Furniture and fixtures	18.1	20.1	20.2	20.7	20.7	22.1	22.7	23.6
Stone, clay, and glass products	29.4	29.1	32.0	32.8	33.2	36.6	35.9	36.9
Primary metal industries	43.7	48.5	50.5	49.6	50.8	52.7	54.7	60.7
Fabricated metal products	76.1	75.8	86.4	90.8	93.1	96.2	96.7	95.9
Industrial machinery	93.5	96.8	106.8	124.7	136.3	158.4	187.0	216.6
Electronic & other electric equipment	68.6	85.0	103.3	128.7	153.2	182.2	225.1	276.8
Motor vehicles and equipment	68.7	85.1	99.1	103.2	92.2	97.1	107.0	110.4
Other transportation equipment	75.7	58.3	52.2	49.4	51.4	54.8	57.5	56.3
Instruments and related products	68.9	57.2	53.8	52.6	53.7	49.8	49.2	48.8
Misc. manufacturing industries	22.8	21.4	22.6	23.3	23.8	24.8	24.6	26.0
Nondurable goods	520.2	525.4	551.2	570.3	567.6	574.7	557.9	566.9
Food and kindred products	109.5	114.6	112.6	133.3	118.7	118.1	115.0	117.1
Tobacco manufactures	14.5	9.3	13.8	15.7	14.8	13.9	11.5	7.0
Textile mill products	22.8	25.9	26.9	26.0	25.3	25.0	23.6	22.9
Apparel and other textile products	27.3	27.6	28.4	28.0	27.0	26.5	25.0	23.6
Paper and allied products	52.5	60.7	61.3	52.2	55.9	58.3	55.3	56.0
Printing and publishing	102.9	90.5	92.6	89.2	88.2	86.4	84.0	84.3
Chemicals and allied products	131.1	132.1	145.5	148.0	153.6	164.2	159.8	168.6
Petroleum and coal products	22.9	21.6	22.0	26.9	30.2	25.6	26.6	34.9
Rubber and misc. plastic products	34.0	41.2	44.9	47.0	49.7	53.2	53.8	54.4
Leather and leather products	5.2	4.9	5.1	5.3	4.2	4.2	4.0	4.0

¹ For additional industry detail, see Table 641.

Source: U.S. Bureau of Economic Analysis, *National Income and Product Accounts, 1929-97*, (forthcoming), and *Survey of Current Business*, December 2000.

No. 972. Manufacturing—Establishments, Employees, and Annual Payroll by Industry: 1998 and 1999

[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]

Industry	NAICS code ¹	1998			1999		
		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)	6,941,822	108,118	3,309,406	7,008,444	110,706	3,554,693
Manufacturing, total	31-33	366,249	16,946	607,333	360,244	16,660	625,536
Percent of all industries	(X)	5.28	15.67	18.35	5.14	15.05	17.60
Food	311	27,750	1,464	40,209	26,734	1,464	41,858
Beverage & tobacco product	312	2,729	173	6,877	2,789	172	6,992
Textile mills	313	4,692	385	10,222	4,587	362	9,994
Textile product mills	314	7,095	217	5,081	7,152	222	5,313
Apparel manufacturing	315	17,432	671	12,365	16,721	575	11,206
Leather & allied product	316	1,801	79	1,773	1,807	74	1,738
Wood product	321	17,640	580	15,439	17,473	595	16,373
Paper	322	5,927	568	22,686	5,883	559	23,227
Printing & related support activities	323	42,115	845	27,473	40,671	834	27,940
Petroleum & coal products	324	2,221	111	5,997	2,226	109	6,058
Chemical	325	13,595	901	44,124	13,534	886	44,738
Plastics & rubber products	326	16,745	1,030	31,563	16,646	1,047	33,351
Nonmetallic mineral product	327	16,473	508	17,591	16,541	510	18,273
Primary metal	331	5,487	615	24,827	5,900	598	24,766
Fabricated metal product	332	63,438	1,816	60,929	62,242	1,788	61,604
Machinery	333	30,824	1,444	56,533	30,177	1,398	55,874
Computer & electronic product	334	17,625	1,681	79,685	17,279	1,615	83,842
Electrical equip, appliance & component	335	7,147	602	20,229	7,104	586	20,600
Transportation equipment	336	13,196	1,911	84,378	13,042	1,906	90,609
Furniture & related product	337	20,607	604	16,081	20,266	623	17,128
Miscellaneous	339	31,710	737	23,272	31,470	734	24,354

¹ North American Industry Classification System, 1997. 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/2001pubs/cbp99/cbp99-1.pdf>> (issued April 2001).

No. 973. Manufacturing Establishments, Employees, and Annual Payroll by State: 1999

[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	360,244	16,659.9	625,536	Missouri	7,465	372.8	12,552
Alabama	5,336	341.9	10,631	Montana	1,207	20.6	634
Alaska	505	11.8	361	Nebraska	1,955	108.8	3,340
Arizona	4,903	192.6	7,581	Nevada	1,701	38.8	1,346
Arkansas	3,294	229.6	6,386	New Hampshire	2,271	97.2	3,625
California	49,330	1,792.2	76,634	New Jersey	11,448	390.4	16,851
Colorado	5,425	164.8	6,628	New Mexico	1,577	38.5	1,218
Connecticut	5,657	238.1	11,112	New York	23,071	728.5	27,063
Delaware	696	41.4	1,777	North Carolina	11,137	754.7	22,754
District of Columbia	186	2.9	93	North Dakota	717	22.9	686
Florida	15,601	420.2	13,796	Ohio	17,930	982.9	39,125
Georgia	8,936	530.7	16,873	Oklahoma	4,017	167.3	5,457
Hawaii	919	14.5	403	Oregon	5,694	210.3	7,774
Idaho	1,649	66.0	2,169	Pennsylvania	17,038	809.8	29,663
Illinois	17,653	861.5	33,839	Rhode Island	2,376	71.6	2,379
Indiana	9,320	637.4	24,712	South Carolina	4,520	336.8	11,193
Iowa	3,828	246.0	8,199	South Dakota	897	47.8	1,452
Kansas	3,295	196.2	6,961	Tennessee	7,248	475.8	15,725
Kentucky	4,291	292.2	10,437	Texas	21,724	955.2	36,486
Louisiana	3,488	165.1	6,311	Utah	2,948	121.9	4,074
Maine	1,917	81.0	2,816	Vermont	1,245	44.7	1,547
Maryland	3,972	159.3	6,386	Virginia	5,949	366.4	12,424
Massachusetts	9,329	404.5	18,833	Washington	7,741	331.2	14,037
Michigan	15,790	816.6	37,206	West Virginia	1,510	73.1	2,591
Minnesota	8,089	379.0	14,368	Wisconsin	10,005	573.4	20,805
Mississippi	2,885	223.3	5,919	Wyoming	559	9.5	308

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/2001pubs/cbp99/cbp99-1.pdf>> (issued April 2001).

No. 974. Manufactures—Summary by Selected Industry: 1999

[16,711 represents 16,711,000]

Industry based on shipments	NAICS code ¹	All employees ²			Production workers ² (1,000)	Value added by manufactures (mil. dol.)	Value of shipments (mil. dol.)
		Payroll					
		Number (1,000)	Total (mil. dol.)	Per employee (dol.)			
Manufacturing, total	31-33	16,711	600,090	35,910	12,011	1,962,644	4,038,109
Food	311	1,488	41,211	27,699	1,139	177,659	429,053
Grain and oilseed milling	3112	59	2,369	40,390	43	16,540	47,094
Fruit and vegetable preserving and specialty food	3114	180	5,035	27,914	154	25,064	49,373
Dairy product	3115	131	4,303	32,889	87	18,999	62,327
Meat product	3116	477	11,164	23,389	412	34,084	111,970
Bakeries and tortilla	3118	315	8,606	27,327	194	30,402	47,255
Other food	3119	150	4,550	30,331	113	28,474	53,189
Beverage and tobacco product	312	167	6,677	39,970	91	68,598	107,437
Beverage	3121	139	5,233	37,724	71	30,539	62,116
Tobacco	3122	28	1,445	50,960	20	38,059	45,321
Textile mills	313	357	9,466	26,535	301	22,954	54,854
Textile product mills	314	240	5,440	22,631	197	14,262	32,642
Apparel	315	576	11,022	19,138	470	30,594	62,798
Cut and sew apparel	3152	441	8,275	18,777	357	24,753	50,738
Leather and allied product	316	74	1,760	23,791	60	4,551	9,673
Wood product	321	589	15,954	27,076	493	38,413	97,583
Sawmills and wood preservation	3211	133	3,644	27,433	113	9,610	30,209
Other wood product	3219	341	8,839	25,957	283	19,250	45,386
Paper	322	560	22,789	40,683	432	74,602	157,491
Pulp, paper, and paperboard mills	3221	187	9,725	52,137	146	37,526	73,509
Converted paper product	3222	374	13,065	34,966	286	37,076	83,982
Printing and related support activities	323	838	27,369	32,651	609	62,428	102,404
Printing and related support activities	3231	838	27,369	32,651	609	62,428	102,404
Petroleum and coal products	324	104	5,625	54,220	69	42,355	168,096
Petroleum and coal products	3241	104	5,625	54,220	69	42,355	168,096
Chemical	325	881	42,101	47,765	506	229,284	419,674
Basic chemical	3251	193	10,355	53,516	111	50,239	106,875
Resin, syn rubber, and artif. & syn. fibers	3252	108	5,353	49,382	73	27,308	62,510
Pharmaceutical and medicine	3254	223	11,985	53,764	108	74,108	107,855
Soap, cleaning compound, and toilet preparation	3256	123	4,626	37,480	75	32,483	53,266
Other chemical product	3259	122	5,071	41,526	74	21,563	39,955
Plastics and rubber products	326	1,069	32,638	30,529	848	91,346	172,397
Plastics product	3261	858	25,368	29,567	680	72,183	136,873
Rubber product	3262	211	7,270	34,439	168	19,163	35,524
Nonmetallic mineral product	327	526	17,948	34,124	411	56,538	97,498
Cement and concrete product	3273	219	7,428	33,967	166	22,714	42,550
Primary metal	331	586	23,726	40,458	466	66,733	158,102
Iron and steel mills and ferroalloy	3311	141	7,288	51,574	111	21,781	53,054
Alumina and aluminum production and processing	3313	84	3,298	39,411	66	11,423	31,036
Fabricated metal product	332	1,799	59,915	33,309	1,359	142,451	256,899
Architectural and structural metals	3323	412	12,919	31,377	302	30,128	60,138
Machine shops, turned product & screw, nut, bolt	3327	424	14,512	34,240	328	28,910	44,497
Other fabricated metal product	3329	323	11,346	35,115	234	29,863	51,612
Machinery	333	1,401	53,802	38,416	922	138,798	277,117
Agriculture, construction, and mining machinery	3331	202	7,385	36,545	142	20,733	50,679
Industrial machinery	3332	186	7,553	40,672	107	19,605	36,526
Metalworking machinery	3335	241	9,858	40,895	173	18,508	30,038
Engine, turbine, and power transmission equipment	3336	117	5,004	42,825	78	16,894	34,834
Other general-purpose machinery	3339	348	13,508	38,842	214	31,689	64,298
Computer and electronic product	334	1,621	75,130	46,358	830	265,442	458,485
Computer and peripheral equipment	3341	217	11,433	52,636	81	47,803	112,677
Communications equipment	3342	286	14,553	50,975	124	48,805	90,600
Semiconductor and other electronic component	3344	581	23,697	40,776	376	102,003	146,560
Navigational, measuring, medical, control instr.	3345	460	22,756	49,480	195	58,606	90,451
Electrical equipment, appliance, and component	335	598	20,253	33,842	438	60,458	119,792
Electrical equipment	3353	207	7,275	35,170	144	19,158	36,720
Other electrical equipment and component	3359	216	7,473	34,665	155	23,482	46,558
Transportation equipment	336	1,876	86,806	46,260	1,371	268,511	675,122
Motor vehicle	3361	233	14,563	62,410	206	80,134	267,476
Motor vehicle parts	3363	795	33,984	42,771	642	86,310	201,470
Aerospace product and parts	3364	490	26,408	53,904	249	73,897	139,662
Furniture and related product	337	628	16,880	26,862	507	40,296	72,752
Miscellaneous	339	732	23,578	32,224	493	66,370	108,238
Medical equipment and supplies	3391	303	11,335	37,440	191	34,868	50,371
Other miscellaneous	3399	429	12,242	28,543	303	31,502	57,868

¹ North American Industrial Classification System, 1997; see text, Section 15, Business Enterprise. 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 Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁴ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Statistics for Industry Groups and Industries*, Series M99(AS)-1.

No. 975. Manufactures—Summary by State: 1999

[16,711 represents 16,711,000. Sum of state totals may not add to U.S. total because U.S. and state figures were independently derived]

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	16,711	600,090	35,910	12,011	355,896	1,962,644	163,406	4,038,109
Alabama	341	10,421	30,585	269	7,143	30,183	112,011	68,879
Alaska	13	370	29,431	10	278	1,111	106,711	3,732
Arizona	193	7,359	38,059	119	3,329	33,166	279,566	47,337
Arkansas	230	6,238	27,176	189	4,504	20,873	110,275	46,636
California	1,820	69,586	38,228	1,191	33,234	218,179	183,190	407,587
Colorado	167	6,483	38,792	111	3,304	19,407	175,490	37,211
Connecticut	240	10,682	44,561	145	4,962	27,075	187,102	45,833
Delaware	42	1,675	39,621	33	1,129	6,070	185,202	17,134
District of Columbia	3	126	39,788	2	77	142	65,709	233
Florida	425	13,635	32,046	285	7,020	41,963	146,982	80,115
Georgia	524	16,228	30,977	408	10,934	62,640	153,663	133,771
Hawaii	15	409	26,725	10	220	1,311	129,035	3,142
Idaho	65	2,197	33,572	50	1,351	7,309	145,897	15,454
Illinois	877	33,003	37,626	614	18,877	96,829	157,609	201,214
Indiana	633	23,977	37,887	484	16,091	77,906	160,902	159,655
Iowa	243	8,053	33,126	184	5,242	28,434	154,697	62,048
Kansas	199	7,005	35,119	145	4,460	22,124	152,079	53,371
Kentucky	289	10,116	35,045	224	6,874	40,555	180,717	94,407
Louisiana	164	6,189	37,658	121	4,108	26,607	219,391	75,322
Maine	82	2,819	34,215	61	1,849	7,592	123,497	14,993
Maryland	164	6,367	38,755	111	3,490	19,144	172,199	37,428
Massachusetts	394	16,217	41,183	242	7,734	45,753	189,402	81,730
Michigan	816	36,046	44,177	622	24,869	101,570	163,183	233,514
Minnesota	387	14,294	36,941	261	7,857	40,302	154,585	81,396
Mississippi	227	5,994	26,404	183	4,158	23,790	130,351	46,929
Missouri	369	12,272	33,229	270	7,610	45,556	168,488	96,285
Montana	21	627	29,678	16	442	1,792	112,025	4,970
Nebraska	110	3,353	30,404	87	2,320	11,815	136,150	29,117
Nevada	39	1,317	33,352	27	766	3,827	139,307	7,101
New Hampshire	95	3,449	36,207	67	2,030	9,953	148,975	18,438
New Jersey	394	15,797	40,058	266	8,188	51,502	193,682	98,196
New Mexico	36	1,093	30,623	26	740	13,549	513,115	18,859
New York	758	26,961	35,558	524	14,961	80,440	153,420	148,959
North Carolina	760	22,436	29,540	593	14,821	90,442	152,393	175,094
North Dakota	23	622	27,601	16	379	2,264	137,835	5,674
Ohio	984	37,850	38,484	734	24,926	118,178	161,107	252,475
Oklahoma	170	5,380	31,627	127	3,466	17,995	141,528	40,835
Oregon	211	7,315	34,597	157	4,654	24,593	156,519	48,187
Pennsylvania	801	28,210	35,235	580	17,420	89,386	154,024	175,540
Rhode Island	69	2,249	32,387	48	1,225	5,811	120,932	10,807
South Carolina	336	10,789	32,150	261	7,134	35,287	135,449	74,479
South Dakota	48	1,444	29,809	34	810	6,988	204,182	13,941
Tennessee	476	15,120	31,772	368	9,904	47,602	129,500	101,972
Texas	953	34,908	36,613	659	18,786	131,146	199,018	302,707
Utah	120	3,890	32,403	84	2,268	11,845	140,823	25,465
Vermont	43	1,560	35,995	30	821	4,919	161,952	9,008
Virginia	361	11,963	33,152	267	7,422	49,194	184,094	91,636
Washington	327	13,081	39,955	209	7,047	36,924	176,479	92,277
West Virginia	71	2,484	35,084	54	1,650	9,190	170,715	17,706
Wisconsin	570	20,123	35,311	421	12,795	61,160	145,184	126,271
Wyoming	10	307	31,654	8	218	1,254	165,075	3,127

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 M99(AS)-3.

No. 976. Manufacturers' E-Commerce Shipments and Online Purchasing of Materials by Industry: 1999

[In millions of dollars (4,038,109 represents \$4,038,109,000,000), except percent. Based on the Annual Survey of Manufacturers; subject to sampling variability. E-commerce is the value of goods and services sold over computer-mediated networks (open or proprietary). Online purchases are the cost of materials purchased over computer-mediated networks]

Industry	NAICS code ¹	E-commerce				Online purchases			
		Shipments, total (mil. dol.)	Shipments, total (mil. dol.)	Percent of total shipments	Percent distribution	Costs of materials, total (mil. dol.)	Cost of materials, total (mil. dol.)	Percent of total cost of materials	Percent distribution
Manufacturing, total. . . .	31-33	4,038,109	485,283	12.0	100.0	2,079,523	230,914	11.1	100.0
Food products	311	429,053	37,548	8.8	7.7	251,736	11,163	4.4	4.8
Beverage and tobacco	312	107,437	8,998	8.4	1.9	38,940	3,365	8.6	1.5
Textile mills	313	54,854	4,819	8.8	1.0	31,895	1,576	4.9	0.7
Textile product mills	314	32,642	4,896	15.0	1.0	18,548	912	4.9	0.4
Apparel	315	62,798	11,376	18.1	2.3	32,403	1,358	4.2	0.6
Leather and allied products	316	9,673	1,775	18.3	0.4	5,145	105	4.0	(Z)
Wood products	321	97,583	3,373	3.5	0.7	59,516	1,954	3.3	0.8
Paper	322	157,491	13,412	8.5	2.8	82,836	3,596	4.3	1.6
Printing and related support activities	323	102,404	6,422	6.3	1.3	40,029	1,764	4.4	0.8
Petroleum and coal products	324	168,096	6,530	3.9	1.3	127,147	11,595	9.1	5.0
Chemicals	325	419,674	42,891	10.2	8.8	192,190	17,608	9.2	7.6
Plastics and rubber products	326	172,397	22,876	13.3	4.7	81,488	4,121	5.1	1.8
Nonmetallic mineral products	327	97,498	(S)	(S)	(S)	41,191	1,865	4.5	0.8
Primary metals	331	158,102	12,940	8.2	2.7	91,149	4,683	5.1	2.0
Fabricated metal products	332	256,899	28,109	10.9	5.8	114,654	4,660	4.1	2.0
Machinery	333	277,117	39,942	14.4	8.2	137,903	16,828	12.2	7.3
Computer and electronic products	334	458,485	46,876	10.2	9.7	193,022	23,182	12.0	10.0
Electrical equipment, appliances, and components	335	119,792	23,671	19.8	4.9	59,137	6,012	10.2	2.6
Transportation equipment	336	675,122	140,259	20.8	28.9	405,442	111,732	27.6	48.4
Furniture and related products	337	72,752	6,229	8.6	1.3	32,848	1,265	3.9	0.5
Miscellaneous	339	108,298	10,584	9.8	2.2	42,304	1,569	3.7	0.7

S Does not meet publication standards. Z Less than 0.05 percent. ¹ North American Industry Classification System, 1997; see text, Section 15, Business Enterprise.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/eos/www/papers/MCDTEXT1.pdf>> and <<http://www.census.gov/eos/www/papers/MCDtables.pdf>> (released 08 June 2001).

No. 977. Manufacturing Employer Costs for Employee Compensation Per Hour Worked: 1990 to 2000

[As of March, for private industry workers. Based on a sample of establishments; see source for details. See also Table 626, Section 12, Labor Force, Employment, and Earnings]

Compensation component	Cost (dol.)					Percent distribution				
	1990	1995	1998	1999	2000	1990	1995	1998	1999	2000
Total compensation	17.33	20.47	22.29	22.77	23.41	100.0	100.0	100.0	100.0	100.0
Wages and salaries	11.86	13.72	15.22	15.66	16.01	68.4	67.0	68.3	68.8	68.4
Total benefits	5.47	6.74	7.07	7.11	7.40	31.6	32.9	31.7	31.2	31.6
Paid leave	1.31	1.54	1.68	1.73	1.74	7.6	7.5	7.5	7.6	7.4
Vacation	0.67	0.80	0.86	0.89	0.86	3.9	3.9	3.9	3.9	3.7
Holiday	0.48	0.57	0.62	0.64	0.65	2.8	2.8	2.8	2.8	2.8
Sick	0.12	0.12	0.13	0.13	0.13	0.7	0.6	0.6	0.6	0.6
Other	0.05	0.05	0.07	0.07	0.10	0.3	0.2	0.3	0.3	0.4
Supplemental pay	0.65	0.80	0.91	0.89	1.04	3.8	3.9	4.1	3.9	4.4
Premium pay	0.34	0.40	0.48	0.50	0.58	2.0	2.0	2.2	2.2	2.5
Nonproduction bonuses	0.22	0.30	0.34	0.29	0.36	1.3	1.5	1.5	1.3	1.5
Shift pay	0.09	0.09	0.09	0.10	0.10	0.5	0.4	0.4	0.4	0.4
Insurance	1.37	1.72	1.70	1.74	1.85	7.9	8.4	7.6	7.6	7.9
Health insurance	(NA)	1.58	1.54	1.58	1.69	(NA)	7.7	6.9	6.9	7.2
Retirement and savings	0.56	0.75	0.76	0.75	0.75	3.2	3.7	3.4	3.3	3.2
Defined benefit	(NA)	(NA)	0.40	0.38	0.34	(NA)	(NA)	1.8	1.7	1.5
Defined contributions	(NA)	(NA)	0.36	0.38	0.41	(NA)	(NA)	1.6	1.7	1.8
Legally required	1.54	1.86	1.93	1.93	1.92	8.9	9.1	8.7	8.5	8.2
Social security	1.02	1.21	1.30	1.34	1.38	5.9	5.9	5.8	5.9	5.9
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	0.14	0.12	0.11	0.11	0.7	0.7	0.5	0.5	0.5
Workers compensation	0.36	0.48	0.48	0.44	0.40	2.1	2.3	2.2	1.9	1.7
Other benefits ¹	0.04	0.09	0.08	0.08	0.09	0.2	0.4	0.4	0.4	0.4

NA Not available. ¹ Includes severance pay, and supplemental unemployment benefits.

Source: U.S. Bureau of Labor Statistics, *News, Employer Costs for Employee Compensation*, Bulletin 2526, March 2000, and USDL, 00-186, June 29, 2000.

No. 978. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 1980 to 2000

[In dollars]

State	1980	1990	1995	1999	2000	State	1980	1990	1995	1999	2000
United States	7.27	10.83	12.37	13.91	14.38	Missouri	7.26	10.74	12.17	13.93	14.40
Alabama	6.49	9.39	11.14	12.54	12.94	Montana	8.78	11.51	12.94	14.17	14.34
Alaska	10.22	12.46	11.00	12.16	12.45	Nebraska	7.38	9.66	11.19	12.77	12.93
Arizona	7.29	10.21	11.16	12.70	12.77	Nevada	7.72	11.05	12.62	13.92	13.84
Arkansas	5.71	8.51	10.05	11.55	11.98	New Hampshire	5.87	10.83	11.94	13.17	13.41
California	7.70	11.48	12.55	13.95	14.25	New Jersey	7.31	11.76	13.56	15.11	15.47
Colorado	7.63	10.94	12.51	14.19	14.76	New Mexico	5.79	9.04	10.68	12.53	13.34
Connecticut	7.08	11.53	13.71	15.33	15.69	New York	7.18	11.11	12.50	13.87	14.24
Delaware	7.58	12.39	14.20	15.91	16.54	North Carolina	5.37	8.79	10.56	12.32	12.79
Dist. of Columbia ¹	8.46	12.51	13.66	15.26	(NA)	North Dakota	6.56	9.27	10.75	11.94	12.66
Florida	5.98	8.98	10.18	11.83	12.28	Ohio	8.57	12.64	14.42	16.26	16.72
Georgia	5.77	9.17	10.71	12.51	13.01	Oklahoma	7.36	10.73	11.52	12.70	13.17
Hawaii	6.83	10.99	12.82	13.49	13.58	Oregon	8.65	11.15	12.75	14.61	15.08
Idaho	7.55	10.60	11.46	13.42	14.17	Pennsylvania	7.59	11.04	12.81	14.19	14.60
Illinois	8.02	11.44	12.64	14.05	14.39	Rhode Island	5.59	9.45	10.62	11.98	12.18
Indiana	8.49	12.03	13.91	15.26	15.83	South Carolina	5.59	8.84	10.16	10.67	10.96
Iowa	8.67	11.27	12.73	14.20	14.66	South Dakota	6.50	8.48	9.36	10.58	10.71
Kansas	7.37	10.94	12.39	14.44	14.98	Tennessee	6.08	9.55	10.78	12.50	12.92
Kentucky	7.34	10.70	12.22	14.27	14.82	Texas	7.15	10.47	11.47	12.25	12.37
Louisiana	7.74	11.61	13.43	15.18	15.57	Utah	7.02	10.32	11.62	13.39	13.69
Maine	6.00	10.59	12.39	13.94	14.28	Vermont	6.14	10.52	12.21	13.65	14.23
Maryland	7.61	11.57	13.49	14.62	14.99	Virginia	6.22	10.07	11.72	13.37	13.82
Massachusetts	6.51	11.39	12.79	14.24	14.65	Washington	(NA)	12.61	14.73	16.14	16.76
Michigan	9.52	13.86	16.31	18.38	19.20	West Virginia	8.08	11.53	12.64	14.09	14.60
Minnesota	7.61	11.23	12.79	14.34	14.99	Wisconsin	8.03	11.11	12.76	14.50	14.85
Mississippi	5.44	8.37	9.76	11.17	11.64	Wyoming	7.01	10.83	11.96	15.40	15.76

NA Not available. ¹ Washington PMSA (primary metropolitan statistical area).

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, May 2001 issue and earlier issues.

No. 979. Manufacturing Full-Time Equivalent Employees and Wages by Industry: 1995 to 1999

Industry	SIC code	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
		1995	1997	1998	1999	1995	1997	1998	1999
Manufacturing, total	(X)	18,190	18,352	18,501	18,269	35,779	38,941	40,830	42,862
Durable goods	(X)	10,561	10,878	11,089	11,002	37,660	40,770	42,617	44,902
Lumber & wood products	24	772	794	816	843	25,110	27,382	28,278	29,040
Furniture & fixtures	25	502	502	522	540	25,048	27,622	28,860	29,635
Stone, clay, & glass products	32	530	544	558	560	33,283	35,719	36,978	38,621
Primary metal industries	33	697	705	710	692	40,067	42,038	42,855	44,536
Fabricated metal products	34	1,421	1,461	1,491	1,509	32,927	35,152	36,280	37,192
Industrial machinery & equipment	35	2,051	2,136	2,177	2,103	40,063	43,987	46,212	49,728
Electronic, other electric equipment	36	1,607	1,675	1,689	1,646	38,922	42,871	45,729	50,333
Motor vehicles & equipment	371	961	974	989	1,017	46,658	49,662	52,175	53,949
Other transportation equipment	372-9	809	849	891	866	44,611	47,276	48,669	50,329
Instruments & related products	38	827	851	858	836	44,654	48,616	51,403	55,215
Misc. manufacturing industries	39	384	387	388	390	28,219	30,540	31,897	33,118
Non-durable goods	(X)	7,629	7,474	7,412	7,267	33,176	36,278	38,156	39,775
Food & kindred products	20	1,642	1,651	1,648	1,655	30,139	31,895	33,394	34,176
Tobacco products	21	41	40	39	36	53,854	59,375	56,103	60,278
Textile mill products	22	654	611	591	551	23,985	26,354	27,311	28,470
Apparel & other textile products	23	919	804	745	675	18,800	20,838	22,103	23,255
Paper & allied products	26	685	675	671	661	39,458	42,129	43,185	44,900
Printing & publishing	27	1,450	1,465	1,478	1,465	34,539	37,427	39,256	41,083
Chemicals & allied products	28	1,027	1,020	1,024	1,025	51,054	56,766	60,350	62,859
Petroleum & coal products	29	142	135	134	129	54,739	60,119	63,425	63,651
Rubber & misc. plastics products	30	963	984	998	994	29,867	32,237	33,574	34,508
Leather & leather products	31	106	89	84	76	22,321	25,225	25,940	27,882

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, October 2000.

No. 980. Manufacturers' Shipments, Inventories, and New Orders: 1992 to 2000

[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)	454
1993	3,020	371	1.51	2,996	430
1994	3,238	391	1.48	3,247	438
1995	3,480	415	1.47	3,496	454
1996	3,597	421	1.44	3,638	495
1997	3,835	433	1.39	3,859	519
1998	3,900	442	1.39	3,885	504
1999	4,043	452	1.37	4,062	523
2000	4,281	472	1.36	4,350	592

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: 1992-2000*, Series M3-1(00). See also <<http://www.census.gov/prod/2001pubs/m3-00.pdf>> (released May 2001).

No. 981. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1992 to 2000

[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]

Industry	1992	1993	1994	1995	1996	1997	1998	1999	2000
INVENTORIES TO SHIPMENTS RATIO									
All manufacturing industries . . .	1.57	1.51	1.48	1.47	1.44	1.39	1.39	1.37	1.36
Durable goods	1.89	1.79	1.73	1.69	1.65	1.57	1.57	1.52	1.53
Food products	1.32	1.41	1.31	1.34	1.28	1.26	1.26	1.23	1.36
Nonmetallic mineral products	1.55	1.40	1.33	1.35	1.29	1.25	1.19	1.17	1.27
Primary metals	1.75	1.71	1.70	1.61	1.66	1.61	1.62	1.68	1.67
Fabricated metals	1.85	1.78	1.75	1.72	1.69	1.61	1.56	1.55	1.64
Machinery	2.33	2.22	2.18	2.18	2.12	2.04	2.03	2.05	2.06
Computers and electronic products, and components	1.95	1.84	1.76	1.74	1.53	1.51	1.42	1.42	1.31
Electrical equipment, appliances, and components	1.79	1.71	1.73	1.68	1.59	1.51	1.47	1.42	1.44
Transportation equipment	1.85	1.71	1.58	1.50	1.59	1.44	1.57	1.40	1.40
Furniture and related products	1.63	1.63	1.63	1.57	1.49	1.44	1.35	1.37	1.39
Miscellaneous products	2.05	1.96	1.98	2.00	2.02	1.92	1.88	1.88	1.94
Non-durable goods	1.22	1.20	1.20	1.20	1.17	1.16	1.15	1.17	1.13
Food products	0.89	0.86	0.87	0.89	0.88	0.85	0.83	0.85	0.80
Beverages and tobacco products	1.64	1.72	1.58	1.55	1.58	1.71	1.64	1.55	1.47
Textile mills	1.47	1.48	1.47	1.53	1.45	1.41	1.46	1.53	1.55
Textile product mills	1.70	1.70	1.73	1.76	1.72	1.76	1.68	1.67	1.80
Apparel	1.74	1.92	1.94	1.93	1.64	1.70	1.78	1.87	1.93
Leather and allied products	2.04	1.73	1.97	2.03	2.05	1.98	2.07	2.20	1.91
Paper products	1.27	1.27	1.20	1.20	1.20	1.21	1.16	1.17	1.15
Printing	0.98	0.92	0.96	0.97	0.89	0.88	0.82	0.83	0.76
Petroleum and coal products	0.93	0.87	0.95	0.91	0.88	0.82	0.84	0.85	0.69
Basic chemicals	1.41	1.37	1.33	1.34	1.35	1.31	1.32	1.38	1.41
Plastics and rubber products	1.34	1.26	1.28	1.27	1.27	1.22	1.19	1.20	1.22
UNFILLED ORDERS TO SHIPMENTS RATIO									
All manufacturing industries . . .	1.89	1.72	1.64	1.58	1.67	1.64	1.57	1.58	1.68
Durable goods	3.62	3.24	3.01	2.90	3.03	2.93	2.74	2.74	2.96
Primary metals	1.82	1.97	2.04	1.75	1.81	1.94	1.56	1.68	1.45
Fabricated metals	2.09	1.87	1.87	1.83	1.98	2.08	2.00	2.02	2.02
Machinery	2.63	2.55	2.67	2.70	2.63	2.61	2.41	2.51	2.60
Computers and electronic products, and components	4.02	3.73	3.38	3.25	2.98	2.81	2.93	3.54	3.40
Electrical equipment, appliances, and components	1.78	1.75	1.79	1.74	1.61	1.66	1.57	1.80	1.79
Transportation equipment	7.17	6.18	5.47	5.32	6.07	5.58	4.99	4.26	5.14
Furniture and related products	1.11	1.23	1.17	1.02	1.05	1.38	1.19	1.27	1.14
Miscellaneous products	0.25	0.27	0.30	0.31	0.39	0.44	0.54	0.57	0.76

Source: U.S. Census Bureau, Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders: 1992-2000*, Series M3-1(00). See also <<http://www.census.gov/prod/2001pubs/m3-00.pdf>> (released May 2001).

No. 982. Value of Manufactures' Shipments, Inventories, and New Orders by Industry: 1995 to 2000

[In millions of dollars (3,479,677 represents \$3,479,677,000,000). 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]

Industry	1995	1996	1997	1998	1999	2000
SHIPMENTS						
All manufacturing industries	3,479,677	3,597,188	3,834,699	3,899,813	4,043,277	4,280,872
Durable goods	1,902,815	1,978,597	2,147,384	2,231,588	2,326,757	2,435,013
Wood products	79,417	81,827	88,470	91,175	97,583	88,692
Nonmetallic mineral products	74,865	81,308	86,465	92,501	97,498	96,002
Primary metals	160,774	157,638	168,118	166,109	158,102	163,202
Fabricated metals	212,444	222,995	242,812	253,720	256,900	258,960
Machinery	246,277	257,459	270,687	280,651	277,117	299,065
Computers and electronic products	370,679	399,516	439,380	443,768	463,653	541,887
Electrical equipment, appliances, and components	101,051	105,283	112,116	116,024	119,792	133,893
Transportation equipment	508,271	516,030	575,307	612,882	675,121	662,870
Furniture and related products	58,942	61,156	64,299	69,616	72,752	77,623
Miscellaneous products	90,095	95,385	99,730	105,142	108,239	112,819
Nondurable goods	1,576,862	1,618,591	1,687,315	1,668,225	1,716,520	1,845,859
Food products	393,204	404,173	421,737	428,479	429,054	438,913
Beverages and tobacco products	88,945	94,033	96,971	102,359	107,437	113,266
Textile mills	59,885	59,796	58,707	57,416	54,854	52,382
Textile product mills	27,976	28,515	31,052	31,137	32,642	32,947
Apparel	65,214	64,237	68,018	64,932	62,798	65,097
Leather and allied products	9,922	10,032	10,877	10,186	9,673	9,865
Paper products	166,051	152,860	150,296	154,984	157,491	170,217
Printing	92,155	95,072	97,485	100,297	102,404	105,456
Petroleum and coal products	151,431	174,181	177,394	137,957	168,096	232,581
Basic chemicals	376,995	385,919	415,617	416,742	419,674	442,832
Plastics and rubber products	145,084	149,773	159,161	163,736	172,397	182,303
INVENTORIES (Dec. 31)						
All manufacturing industries	414,969	420,680	433,451	441,740	451,956	472,455
Durable goods	260,148	265,170	273,330	284,374	287,277	301,247
Wood products	9,035	8,879	9,441	9,694	10,165	10,508
Nonmetallic mineral products	8,248	8,560	8,840	9,012	9,343	10,157
Primary metals	21,598	21,945	22,728	22,542	22,228	22,795
Fabricated metals	29,601	30,611	31,776	32,248	32,626	34,743
Machinery	43,212	43,869	44,490	46,067	46,030	49,931
Computers and electronic products	51,569	48,997	53,045	50,642	52,712	57,265
Electrical equipment, appliances, and components	13,499	13,342	13,530	13,652	13,657	15,491
Transportation equipment	61,202	65,927	66,414	76,917	75,956	74,409
Furniture and related products	7,530	7,426	7,527	7,648	8,091	8,775
Miscellaneous products	14,654	15,614	15,539	15,952	16,469	17,673
Nondurable goods	154,821	155,510	160,121	157,366	164,679	171,208
Food products	29,440	29,751	30,152	29,690	30,684	29,527
Beverages and tobacco products	11,750	12,731	14,188	14,346	14,221	14,024
Textile mills	7,335	6,972	6,640	6,729	6,720	6,615
Textile product mills	3,914	3,898	4,331	4,161	4,317	4,697
Apparel	10,003	8,397	9,267	9,266	9,477	10,117
Leather and allied products	1,611	1,640	1,718	1,683	1,701	1,505
Paper products	16,404	15,120	15,042	14,785	15,181	16,063
Printing	6,897	6,529	6,621	6,359	6,569	6,247
Petroleum and coal products	10,857	12,087	11,492	9,081	11,160	12,606
Basic chemicals	41,489	42,782	44,691	45,176	47,604	51,449
Plastics and rubber products	15,121	15,603	15,979	16,090	17,045	18,358
NEW ORDERS						
All manufacturing industries	3,495,515	3,638,149	3,859,016	3,884,868	4,062,133	4,349,672
Durable goods	1,918,653	2,019,558	2,171,701	2,216,643	2,345,613	2,503,813
Wood products	79,417	81,827	88,470	91,175	97,583	88,692
Paper products	74,865	81,308	86,465	92,501	97,498	96,002
Primary metals	159,957	158,066	171,407	160,743	158,580	160,770
Fabricated metals	214,488	227,447	247,839	253,847	257,983	259,406
Machinery	251,307	258,405	272,998	278,100	278,625	305,598
Computers and electronic products	380,287	398,053	442,816	449,158	490,834	558,875
Electrical equipment, appliances, and components	101,409	104,837	113,411	115,711	122,497	135,889
Transportation equipment	508,133	552,024	581,780	600,205	659,855	706,834
Furniture and related products	58,475	61,499	66,256	69,098	73,489	77,273
Miscellaneous products	90,315	96,092	100,259	106,105	108,669	114,474
Nondurable goods	1,576,862	1,618,591	1,687,315	1,668,225	1,716,520	1,845,859

Source: U.S. Census Bureau, Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders: 1992-2000*, Series M3-1(00). See also <<http://www.census.gov/prod/2001pubs/m3-00.pdf>> (released May 2001).

No. 983. Value of Manufactures' Shipments, Inventories, and New Orders by Market Grouping: 1995 to 2000

[In millions of dollars (3,479,677 represents \$3,479,677,000,000). 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]

Market grouping	1995	1996	1997	1998	1999	2000
SHIPMENTS						
All manufacturing industries . . .	3,479,677	3,597,188	3,834,699	3,899,813	4,043,277	4,280,872
Consumer goods	1,273,973	1,309,819	1,375,603	1,372,542	1,457,548	1,558,775
Consumer durable goods	341,398	345,266	377,280	394,134	438,409	440,113
Consumer nondurable goods	932,575	964,553	998,323	978,408	1,019,139	1,118,662
Aircraft and parts	79,052	80,582	100,126	116,812	120,681	120,498
Defense aircraft and parts	29,984	29,693	27,472	26,938	27,827	26,499
Nondefense aircraft and parts	49,068	50,889	72,654	89,874	92,854	93,999
Construction materials and supplies	337,569	355,413	385,735	403,682	419,932	419,032
Motor vehicles and parts	379,551	387,394	421,573	439,590	497,577	482,407
Computers and related products	83,855	93,926	110,055	114,482	112,677	135,187
Information technology industries	291,885	311,028	349,846	362,564	370,253	427,631
Nondefense capital goods	590,578	630,932	702,971	747,046	766,473	844,037
Excluding aircraft	565,729	605,295	665,074	695,717	710,288	789,478
Defense capital goods	75,589	73,703	76,261	74,690	70,437	70,080
Durables excluding capital goods	1,236,648	1,273,962	1,368,152	1,409,852	1,489,847	1,520,896
INVENTORIES (Dec. 31)						
All manufacturing industries . . .	414,969	420,680	433,451	441,740	451,956	472,455
Consumer goods	115,510	115,489	118,872	117,262	122,971	128,839
Consumer durable goods	25,533	24,950	25,143	25,338	26,337	28,082
Consumer nondurable goods	89,977	90,539	93,729	91,924	96,634	100,757
Aircraft and parts	31,714	35,905	37,509	47,019	42,754	40,855
Defense aircraft and parts	9,484	8,641	8,380	11,401	11,088	10,653
Nondefense aircraft and parts	22,230	27,264	29,129	35,618	31,666	30,202
Construction materials and supplies	40,721	41,524	43,502	44,653	45,838	48,708
Motor vehicles and parts	20,359	20,744	20,298	20,527	21,799	22,139
Computers and related products	11,272	8,841	10,289	8,124	7,883	8,517
Information technology industries	44,909	41,784	46,117	44,072	44,489	47,636
Nondefense capital goods	107,315	110,904	117,932	123,328	121,806	127,006
Excluding aircraft	91,080	90,031	95,226	94,902	96,292	103,730
Defense capital goods	17,929	17,336	14,814	17,869	19,146	18,302
Durables excluding capital goods	134,904	136,930	140,584	143,177	146,325	155,939
NEW ORDERS						
All manufacturing industries . . .	3,495,515	3,638,149	3,859,016	3,884,868	4,062,133	4,349,672
Consumer goods	1,273,892	1,310,361	1,377,163	1,373,376	1,458,586	1,559,976
Consumer durable goods	341,317	345,808	378,840	394,968	439,447	441,314
Consumer nondurable goods	932,575	964,553	998,323	978,408	1,019,139	1,118,662
Aircraft and parts	85,190	104,614	109,077	108,004	108,587	152,633
Defense aircraft and parts	27,736	32,520	23,280	23,854	25,973	36,391
Nondefense aircraft and parts	57,454	72,094	85,797	84,150	82,614	116,242
Construction materials and supplies	339,749	358,254	389,867	405,185	421,215	420,242
Motor vehicles and parts	378,886	385,712	422,427	440,934	498,366	479,432
Computers and related products	84,521	95,070	107,564	115,806	113,887	135,534
Information technology industries	297,605	310,074	352,700	365,723	382,508	438,339
Nondefense capital goods	612,132	648,797	728,362	745,600	769,949	881,415
Excluding aircraft	576,769	607,174	676,119	698,279	724,164	806,465
Defense capital goods	68,275	88,471	64,497	64,127	66,780	90,873
Durables excluding capital goods	1,237,796	1,282,290	1,378,842	1,406,916	1,508,884	1,531,525

Source: U.S. Census Bureau, Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders: 1992-2000*, Series M3-1(00). See also <<http://www.census.gov/prod/2001pubs/m3-00.pdf>> (released May 2001).

No. 984. Finances and Profits of Manufacturing Corporations: 1990 to 2000

[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. See Table 761 for individual industry data]

Item	1990	1992	1993	1994	1995	1996	1997	1998	1999	2000
Net sales	2,811	2,890	3,014	3,256	3,528	3,758	3,920	3,949	4,149	4,506
Net operating profit	173	151	180	242	268	277	298	298	317	345
Net profit:										
Before taxes	160	33	118	244	274	307	331	315	355	385
After taxes	112	23	83	175	198	225	245	234	258	277
Cash dividends	62	63	67	70	81	96	108	121	104	131
Net income retained in business	49	-40	16	105	117	129	136	114	154	146

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*.

No. 985. U.S. Exports of Manufactures—Origin of World Exports of Manufacture: 1991 to 1999

[In billions of dollars (328 represents \$328,000,000,000), except percents]

Item	1991	1992	1993	1994	1995	1996	1997	1998	1999
U.S. manufactures export value	328	350	365	409	464	498	566	570	587
Machinery & transport equipment	200	215	225	252	283	308	354	359	371
Chemicals	43	45	46	52	62	63	71	69	72
Other	85	90	94	104	119	128	141	142	144
Origin of world exports of manufactures (percent):									
United States¹	12.9	12.6	13.1	12.7	12.4	12.8	13.8	13.7	13.7
Machinery & transport equipment	15.9	15.8	16.4	15.7	14.9	15.3	16.6	16.4	16.2
Chemicals	14.4	13.4	13.9	13.5	13.3	13.1	14.2	13.6	13.7
Other	8.5	8.3	8.7	8.5	8.6	9.1	9.7	9.8	9.8
Germany ²	14.2	13.9	12.0	11.8	12.4	11.8	11.1	11.8	11.0
Japan	11.9	11.8	12.6	11.8	11.4	10.1	9.8	8.9	9.3
Other G-7 countries ³	21.6	21.0	20.1	19.7	20.3	20.8	20.1	20.5	19.6
East Asian NICs ⁴	8.2	8.1	8.8	8.9	9.4	9.2	9.1	8.3	8.6

¹ U.S. exports are domestic exports only. ² Prior to 1991, data for are for former West Germany only. ³ Other group of seven (G-7) countries: Canada, France, Italy, and United Kingdom. ⁴ East Asian newly industrialized countries (NICs): Hong Kong, S. Korea, Singapore, and Taiwan.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Economic Analysis. Based on United Nations Commodity Trade Statistics, *Statistical Yearbook of the Republic of China (Taiwan)*, and unpublished data.

No. 986. Tobacco Products—Summary: 1990 to 2000

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

Item	Unit	1990	1993	1994	1995	1996	1997	1998	1999	2000
PRODUCTION										
Cigarettes, total	Billions .	710	661	726	747	758	720	680	607	610
Nonfilter tip	Billions .	23	15	15	15	14	12	12	8	(NA)
Filter tip	Billions .	687	646	710	732	744	708	669	599	(NA)
Cigars	Billions .	1.9	1.8	1.9	2.1	2.4	2.3	2.8	7	(NA)
Tobacco	Mill. lb. .	142	133	132	131	131	134	131	133	133
Smoking	Mill. lb. .	16	14	14	12	12	11	13	15	14
Chewing tobacco	Mill. lb. .	73	64	63	63	61	58	53	51	49
Snuff	Mill. lb. .	53	59	60	60	62	64	66	67	70
EXPORTS										
Cigarettes	Billions .	164.3	195.5	220.2	231.1	243.9	217.0	201.3	151.4	148.3
Cigars	Billions .	72	67	74	94	84	86	93	84	113
Smoking tobacco	Billions .	0.8	0.4	0.5	0.3	0.7	0.8	1.1	16	0.5
IMPORTS										
Cigarettes	Billions .	1.4	11.5	3.5	3.0	2.8	3.2	4.3	8.7	11.8
Cigars	Billions .	111	127	146	195	320	576	507	496	480
Smoking tobacco	Billions .	2.9	6.8	3.9	4.2	4.2	4.3	4.3	4.3	4.2
CONSUMPTION										
Consumption per person ²	Lb. ³ . . .	5.6	5.3	4.9	4.7	4.7	4.5	3.9	3.6	3.4
Cigarettes	1,000 . .	3	3	3	3	3	2	2	2	2
Cigars ⁴	Number.	13	11	12	15	18	18	18	19	19
EXPENDITURES										
Consumer expenditures, total	Bil. dol. .	43.8	49.0	47.7	48.7	50.4	52.2	57.3	72.1	(NA)
Cigarettes	Bil. dol. .	41.6	46.2	44.5	45.8	47.2	48.7	53.2	68.3	(NA)
Cigars	Bil. dol. .	0.7	0.7	0.9	1.0	1.0	1.2	1.6	1.1	(NA)
Other	Bil. dol. .	1.5	2.1	2.3	2.5	2.2	2.2	2.4	2.7	(NA)

NA Not available. 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. ⁴ Weighing over 3 pounds per 1,000.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation and Outlook*, quarterly.

No. 987. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1990 to 1999

[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	
1996	17,002	5,520	32.5	189	1.1	11,294	66.4	476	2.8	10,818	63.6	
1997	17,520	5,404	30.8	208	1.2	11,908	68.0	438	2.5	11,470	65.5	
1998	17,698	5,514	31.2	170	1.0	12,014	67.9	372	2.1	11,643	65.8	
1999	17,735	5,328	30.0	135	0.8	12,272	69.2	337	1.9	11,937	67.3	
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	
1996	6,771	3,640	53.8	136	2.0	2,994	44.2	278	4.1	2,716	40.1	
1997	6,907	3,442	49.8	153	2.2	3,312	47.9	247	3.6	3,064	44.4	
1998	6,525	3,329	51.0	113	1.7	3,082	47.2	208	3.2	2,875	44.1	
1999	6,404	3,262	50.9	79	1.2	3,063	47.8	170	2.7	2,894	45.2	
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	
1996	2,561	1,503	58.7	12	0.5	1,046	40.8	81	3.2	965	37.7	
1997	2,696	1,569	58.2	14	0.5	1,113	41.3	78	2.9	1,035	38.4	
1998	2,918	1,779	61.0	15	0.5	1,125	38.6	69	2.4	1,056	36.2	
1999	2,809	1,656	59.0	15	0.5	1,139	40.5	71	2.5	1,069	38.1	
Floor coverings:												
1990	3,075	18	0.6	21	0.7	3,036	98.7	-	-	3,036	98.7	
1995	3,731	25	0.7	25	0.7	3,681	98.7	-	-	3,681	98.7	
1996	3,993	25	0.6	25	0.6	3,942	98.7	-	-	3,942	98.7	
1997	4,070	32	0.8	26	0.6	4,012	98.6	-	-	4,012	98.6	
1998	4,240	36	0.8	29	0.7	4,176	98.5	-	-	4,176	98.5	
1999	4,385	39	0.9	29	0.7	4,318	98.5	-	-	4,318	98.5	
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	
1996	3,678	351	9.5	15	0.4	3,311	90.0	117	3.2	3,195	86.9	
1997	3,848	360	9.4	16	0.4	3,472	90.2	113	2.9	3,359	87.3	
1998	4,015	371	9.2	13	0.3	3,631	90.4	95	2.4	3,536	88.1	
1999	4,136	372	9.0	13	0.3	3,752	90.7	96	2.3	3,656	88.4	

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

Source: Fiber Economics Bureau, Inc., Washington, DC, *Textile Organon*, monthly (copyright).

No. 988. Broadwoven and Knit Fabrics—Shipments, Foreign Trade, and Apparent Consumption: 1999

[3,721,426 represents 3,721,426,000. Fabric blends as shown in the CIR report, MQ22T, 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. Apparent consumption represents new domestic supply and is derived by subtracting exports for the total manufacturers' shipments plus imports]

Product description	Manufacturers' shipments (quantity)	Imports for consumption		Percent imports to manufacturers' shipments	Exports of domestic merchandise		Percent exports to manufacturers' shipments	Apparent consumption (quantity)
		Quantity	Value ¹ (\$1,000)		Quantity	Value (\$1,000)		
BROADWOVEN FABRICS (quantity 1,000 sq. meters)								
Cotton fabrics ²	3,721,426	1,441,820	1,580,363	38.7	409,524	908,138	11.0	4,753,722
Manmade fiber fabrics	9,886,839	1,086,727	1,275,308	11.0	479,941	1,030,537	4.0	10,576,305
Silk fabrics	274	31,483	273,846	11,479.8	2,010	15,647	732.9	29,747
Wool fabrics	64,656	33,879	297,654	52.4	12,907	71,015	20.0	85,628
KNIT FABRICS (quantity in 1,000 kilograms)								
Total	853,621	135,198	1,056,483	16	73,159	620,673	9	915,660
Pile fabrics	93,606	35,325	264,386	38	20,462	179,599	22	108,469
Elastic fabric	39,639	17,841	223,434	45	9,708	126,041	25	47,772
Other warp knit fabrics	105,290	12,763	112,683	12	9,307	87,778	9	108,746
Other narrow knit fabrics	18,185	1,450	16,135	8	3,434	34,362	19	16,201
Other knit fabrics	596,901	67,819	439,845	11	30,248	192,893	5	634,472

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, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/mq22t995.pdf>> (issued June 2000); and <<http://www.census.gov/ftp/pub/industry/1/ma22k99.pdf>> (issued August 2000).

No. 989. Footwear—Production, Foreign Trade, and Apparent Consumption: 1999

[Quantity in thousands of pairs (116,944 represents 116,944,000), value in thousands of dollars (350,372 represents \$350,372,000)]

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	116,944	21,012	350,372	18.0	1,592,999	13,817,199	1,688,931	94.3
Rubber or plastic uppers and rubber or plastic soles	13,517	4,687	49,652	34.7	616,693	3,452,228	625,523	98.6
Waterproof	10,833	833	8,280	7.7	7,381	44,476	17,381	42.5
Not waterproof	2,684	3,854	41,372	143.6	609,312	3,407,752	608,142	100.2
Leather uppers	34,680	9,384	225,906	27.1	657,163	8,971,947	682,459	96.3
Athletic	3,925	5,489	108,776	139.8	498,447	6,021,643	496,883	100.3
Leather soles	10,406	2,218	67,628	21.3	43,913	1,013,949	52,101	84.3
Made with steel safety toes	(D)	155	8,663	(D)	9,151	191,191	(D)	(D)
Boots, ex. with steel safety toes	(D)	277	9,273	(D)	5,360	120,503	(D)	(D)
Shoes, ex. with steel safety toes	5,699	1,786	49,692	31.3	29,402	702,255	33,315	88.3
Other soles	20,349	1,677	49,502	8.2	114,803	1,936,355	133,475	86.0
Made with steel safety toes	2,545	-	-	(NA)	-	-	2,545	(NA)
Boots, ex. with steel safety toes	5,511	1,677	49,502	30.4	114,803	1,936,355	118,637	96.8
Shoes, ex. with steel safety toes	12,293	-	-	(NA)	-	-	12,293	(NA)
Fabric uppers	62,743	6,941	74,814	11.1	319,143	1,393,024	374,945	85.1
Rubber or plastic soles	(D)	5,472	61,010	(D)	250,312	989,311	(D)	(D)
Athletic	(D)	4,400	51,757	(D)	36,985	159,177	(D)	(D)
All other	(D)	1,072	9,253	(D)	213,327	830,134	(D)	(D)
With all other soles	(D)	1,469	13,804	(D)	68,831	403,713	(D)	(D)

- Represents zero. D Data withheld to avoid disclosure. NA Not available.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <ftp://ftp.census.gov/pub/industry/1/mq31a99.pdf> (released August 2000).

No. 990. Inorganic Chemicals and Fertilizers—Production: 1995 to 1999

[In thousands of short or metric tons (17,402 represents 17,402,000)]

Product description	Unit	1995	1996	1997	1998	1999
INORGANIC FERTILIZERS						
Ammonia, synthetic anhydrous	1,000 sh. tons	17,402	17,923	17,891	18,475	17,337
Ammonia nitrate, original solution	1,000 sh. tons	8,489	8,498	8,604	9,079	7,971
Ammonium sulfate	1,000 sh. tons	2,647	2,662	2,711	2,787	2,875
Urea (100%)	1,000 sh. tons	8,117	8,548	8,190	8,865	8,907
Nitric acid (100%)	1,000 sh. tons	8,839	9,205	9,433	9,285	8,945
Phosphoric acid (100% P ₂ O ₅)	1,000 sh. tons	13,134	13,210	13,159	13,891	13,708
Sulfuric acid, gross (100%)	1,000 sh. tons	47,519	47,770	47,929	48,513	44,756
Superphosphates and other fertilizer materials (100% P ₂ O ₅)	1,000 sh. tons	10,364	10,547	10,473	10,260	9,325
INORGANIC CHEMICALS						
Chlorine gas	1,000 metric tons	12,395	12,460	12,922	11,650	12,114
Sodium hydroxide, total liquid	1,000 metric tons	11,408	11,563	11,972	11,896	11,954
Potassium hydroxide liquid	1,000 metric tons	(D)	500	533	450	(D)
Finished sodium bicarbonate	1,000 metric tons	520	502	522	493	505
Titanium dioxide, composite and pure	1,000 metric tons	1,382	1,352	1,477	1,323	1,355
Boric acid	1,000 metric tons	(D)	(D)	(D)	(D)	(D)
Hydrochloric acid	1,000 metric tons	3,904	4,116	4,411	4,226	4,191
Hydrofluoric acid	1,000 metric tons	(D)	(D)	(D)	(D)	(D)
Aluminum oxide	1,000 metric tons	4,764	4,734	5,072	4,537	4,016
Aluminum sulfate (commercial)	1,000 metric tons	1,144	1,197	1,161	1,058	1,085
Sodium metal	1,000 metric tons	(D)	(D)	(D)	(D)	(D)
Sodium chlorate	1,000 metric tons	617	662	626	707	742
Sodium phosphate tribasic	1,000 metric tons	21	20	(D)	19	27
Sodium phosphate tripoly	1,000 metric tons	(D)	(D)	(D)	205	178
Sodium silicates ¹	1,000 metric tons	1,203	1,105	1,214	1,097	992
Sodium metasilicates	1,000 metric tons	93	87	83	70	63
Sodium sulfate	1,000 metric tons	(D)	(D)	(D)	571	599
Calcium carbide	1,000 metric tons	(D)	(D)	(D)	(D)	(D)
Calcium phosphorus	1,000 metric tons	1,567	1,507	1,486	1,798	1,808
Carbon activated ²	1,000 metric tons	156	170	173	150	151
Hydrogen peroxide	1,000 metric tons	355	343	369	324	342
Phosphorous, elemental	1,000 metric tons	(D)	(D)	(D)	(D)	(D)
Phosphorous, oxychloride and trichloride	1,000 metric tons	226	242	298	(D)	163

D Withheld to avoid disclosing data for individual companies. ¹ Other than metasilicates. ² Granular and pulverized.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and *Current Industrial Reports*, MAQ325A, and MAQ325B, annual. See also <ftp://ftp.census.gov/pub/industry/1/mq28a995.pdf> (issued September 2000) and <ftp://ftp.census.gov/pub/industry/1/mq28a995.pdf> (issued September 2000).

No. 991. Pharmaceutical Preparations—Value of Shipments: 1990 to 1999

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

Product description	Product code	1990	1995	1996	1997	1998	1999
Pharmaceutical preparations, except biologicals	(X)	33,954	48,864	51,844	57,419	65,712	69,950
Affecting neoplasms, endocrine systems, and metabolic disease	3254121000	2,743	4,076	4,788	5,466	7,633	7,902
Acting on the central nervous system and sense organs	3254124000	7,219	9,228	10,123	11,708	13,605	15,282
Acting on the cardiovascular system	3254127000	4,815	5,988	6,912	8,799	9,368	9,695
Acting on the respiratory system	325412A000	3,724	5,196	4,994	5,641	6,725	8,136
Acting on the digestive system	325412D000	4,840	8,593	8,494	9,482	9,502	8,719
Acting on the skin	325412G000	1,558	2,171	2,185	1,867	2,245	2,589
Vitamin, nutrient, and hematinic preps.	325412L000	2,588	4,812	5,281	5,088	5,851	6,142
Affecting parasitic and infective disease	325412P000	5,411	7,196	7,304	7,795	8,780	9,176
Pharmaceutical preps. for veterinary use	325412T000	1,057	1,605	1,763	1,572	2,003	2,309

X Not applicable.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, MA28G; thereafter, MA325G(99)-1. See also <http://www.census.gov/ftp/pub/industry/1/ma28g99.pdf> (released September 2000).

No. 992. Glass Containers, Clay Construction Products, and Refractories—Quantity and Value of Shipments: 1990 to 1999

[285 represents 285,000,000]

Product description	Unit	1990	1995	1996	1997	1998	1999
Glass container shipments	Mil. of gross ¹	285	269	257	254	254	255
Brick shipments: ²							
Quantity	Mil. of bricks	(NA)	7,244	7,426	7,838	8,081	8,553
Value	Mil. dol.	1,014	1,092	1,235	1,331	1,453	1,631
Clay floor and wall tile shipments: ³							
Quantity	Mil. sq. ft.	(NA)	581	576	627	621	625
Value	Mil. dol.	687	728	779	834	837	843
Clay pipe and fittings shipments:							
Quantity	(NA)	138	143	162	165	177	177
Value	Mil. dol.	60	35	45	47	48	54
Refractory shipments	Mil. dol.	2,003	2,222	2,341	2,566	2,379	2,243
Clay	Mil. dol.	771	941	930	1,084	1,025	965
Nonclay	Mil. dol.	1,232	1,282	1,411	1,482	1,354	1,278

NA Not available. ¹ One thousand gross = 144,000. ² Building or common and face bricks. ³ Floor and wall tile including quarry tile.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, M32G, MQ32D, and MA32C, annual; thereafter, M327G, MQ327D, and MA327C. See also *Manufacturing Profiles*, Series MP, annual.

No. 993. Aluminum—Supply, Shipments, and Foreign Trade: 1990 to 2000

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

Item	1990	1993	1994	1995	1996	1997	1998	1999	2000
SUPPLY									
Aluminum supply, total	17,334	19,766	20,989	20,425	20,848	21,945	22,970	24,590	23,586
Primary production	8,925	8,145	7,272	7,441	7,887	7,944	8,185	8,330	8,087
Recovery from scrap	5,276	6,490	6,803	7,028	7,291	7,819	7,589	8,146	7,606
Imports of ingot and mill products	3,133	5,131	6,913	5,956	5,671	6,183	7,196	8,113	7,893
Aluminum net shipments, total ¹	17,188	18,488	20,596	21,019	21,155	22,513	23,189	24,673	24,486
PRODUCT									
Mill products, total	13,013	13,869	15,605	15,716	15,605	16,609	17,019	17,989	17,666
Sheet, plate, and foil	9,297	9,847	11,096	11,168	10,936	11,536	11,801	12,437	12,116
Rod, bar, and wire	370	393	458	534	582	621	657	670	690
Electrical conductor	542	554	600	566	604	629	631	676	675
Extruded shapes and tube	2,546	2,799	3,124	3,102	3,139	3,473	3,559	3,817	3,788
Powder and paste	106	105	110	108	108	118	123	130	142
Forgings and impacts	152	171	217	238	236	232	248	259	255
Ingot for castings and other ²	4,175	4,619	4,991	5,303	5,550	5,904	6,170	6,684	6,820
MARKET									
Domestic, total	14,637	16,082	17,960	18,152	18,313	19,523	20,358	21,707	21,695
Building and construction	2,663	2,728	3,090	2,679	2,921	2,921	3,070	3,237	3,204
Transportation	3,205	4,343	5,104	5,749	5,820	6,592	7,162	7,938	7,963
Consumer durables	1,122	1,246	1,428	1,369	1,443	1,529	1,599	1,675	1,697
Electrical	1,309	1,304	1,456	1,395	1,447	1,532	1,527	1,646	1,698
Machinery and equipment	992	1,053	1,262	1,257	1,254	1,381	1,386	1,458	1,496
Containers and packaging	4,772	4,836	5,012	5,088	4,796	4,895	5,012	5,106	4,992
Other	574	572	608	615	632	673	602	647	645
Exports	2,551	2,406	2,636	2,867	2,842	2,990	2,831	2,967	2,791
FOREIGN TRADE ³									
Exports	3,753	2,883	3,319	3,846	3,600	3,763	3,743	3,865	4,097
Imports	3,718	5,819	7,780	6,910	6,580	7,209	8,342	9,506	9,357

¹ Data presented on this report have been adjusted to 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; and *Aluminum Facts at a Glance*, June 2001.

No. 994. Iron and Steel Industry—Summary: 1990 to 1999

[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	1993	1994	1995	1996	1997	1998	1999
Steel mill products, apparent supply . . .	Mil. tons ¹	95.5	99.6	113.4	109.6	117.5	124.6	131.6	127.9
Net shipments	Mil. tons ¹	85.0	89.0	95.1	97.5	100.9	105.9	102.4	106.2
Exports	Mil. tons ¹	4.3	4.0	3.8	7.1	5.0	6.0	5.5	5.4
Imports	Mil. tons ¹	17.2	19.5	30.1	24.4	29.2	31.2	41.5	31.2
Scrap consumed	Mil. tons ¹	50.1	58.5	60.0	62.0	62.0	64.0	64.0	62.0
Scrap inventory	Mil. tons ¹	3.6	3.6	4.0	4.1	5.3	5.0	4.5	5.3
Iron and steel products: Exports	Mil. tons ¹	5.3	4.7	4.9	8.2	6.2	7.4	6.9	6.7
Imports	Mil. tons ¹	21.9	21.8	32.7	27.3	32.1	34.4	45.4	40.2
Capacity by steelmaking process	Mil. net tons.	116.7	109.9	108.2	112.4	116.1	121.4	125.3	128.2
Revenue	Bil. dol.	30.9	29.5	34.1	35.1	34.9	36.6	38.1	35.3
Net income	Bil. dol.	0.1	1.9	1.3	1.5	0.4	1.0	1.1	-0.5
Stockholders' equity	Bil. dol.	4.3	3.7	7.4	8.6	10.2	9.8	12.5	11.9
Total assets	Bil. dol.	28.3	30.6	34.3	35.1	35.8	38.3	42.2	43.6
Capital expenditures	Bil. dol.	2.6	1.5	2.2	2.5	2.3	2.7	3.1	2.8
Working capital ratio ²	Ratio	1.6	1.3	1.7	1.5	1.7	1.6	1.6	1.7
Inventories	Bil. dol.	4.7	4.6	5.0	5.1	5.4	5.8	6.8	6.5
Average employment	1,000	169	140	127	123	119	112	110	102
Hours worked	Million	350	274	273	269	259	247	240	223
Index of output, all employees ³	1987=100	109.7	133.6	142.4	142.6	147.5	155.0	151.0	148.9
Producer price indexes: ⁴									
Iron and steel, total	1982=100	117.2	116.0	122.0	128.8	125.8	126.5	122.6	(NA)
Steel mill products	1982=100	112.1	108.2	113.4	120.1	115.6	116.4	113.9	(NA)
Electrometallurgical products	1982=100	120.1	115.7	117.0	126.0	157.7	163.0	158.9	(NA)
Iron ore	1982=100	83.3	82.7	82.7	91.8	96.7	96.3	95.5	(NA)
Scrap, iron and steel	1982=100	166.0	172.5	192.9	202.7	191.1	188.9	164.9	(NA)
Foundry and forge shop products	1982=100	117.2	121.3	123.9	129.3	132.6	134.1	135.0	(NA)

NA Not available. ¹ In millions of short tons. ² Current assets to current liabilities. ³ Output per hour. Source: U.S. Bureau of Labor Statistics, Internet site <<http://stats.bls.gov/iphome.htm>>. ⁴ Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

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

No. 995. Raw Steel, Pig Iron, and Ferroalloys Production: 1990 to 1999

[In millions (849.4 represents 849,400,000), except percent]

Item	1990	1993	1994	1995	1996	1997	1998	1999
Raw steel (net tons):								
World production	849.4	802.0	799.6	829.4	826.9	874.9	856.8	868.4
U.S. production	98.9	97.9	100.6	104.9	105.3	108.6	108.8	107.4
Percent of world	11.6	12.2	12.6	12.6	12.7	12.4	12.7	12.4
Furnace:								
Basic oxygen process	58.5	59.3	61.0	62.5	60.4	61.1	59.7	57.7
Electric	36.9	38.5	39.6	42.4	44.9	47.5	49.1	49.7
Open hearth	3.5	-	-	-	-	-	-	-
Grade:								
Carbon	86.6	86.9	89.5	92.7	93.6	95.9	97.1	96.5
Alloy and stainless	12.3	11.0	11.1	12.3	11.7	12.6	11.7	10.9
Pig iron and ferroalloys production (sh. tons)	54.8	53.1	54.4	56.1	54.5	54.7	53.2	51.0

- Represents or rounds to zero.

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

No. 996. Steel Products—Net Shipments by Market Classes: 1990 to 1999

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

Market class	1990	1993	1994	1995	1996	1997	1998	1999
Total¹	84,981	89,022	95,084	97,494	100,878	105,858	102,420	106,401
Automotive	11,100	12,719	14,753	14,622	14,665	15,251	15,842	16,771
Steel service centers, distributors	21,111	23,714	24,153	23,751	27,124	27,800	27,751	28,089
Construction, incl. maintenance ²	9,245	13,429	10,935	14,892	15,561	15,885	15,289	18,428
Containers, packaging, shipping	4,474	4,355	4,495	4,139	4,101	4,163	3,829	3,842
Machinery, industrial equipment, tools	2,388	2,191	2,427	2,310	2,410	2,355	2,147	1,722
Steel for converting and processing	9,441	9,451	10,502	10,440	10,245	11,263	9,975	11,309
Rail transportation	1,080	1,223	1,248	1,373	1,400	1,410	1,657	1,031
Contractors' products	2,870	2,913	3,348	(²)	(²)	(²)	(²)	(²)
Oil and gas industries	1,892	1,526	1,703	2,643	3,254	3,811	2,649	2,151
Electrical equipment	2,453	2,213	2,299	2,397	2,401	2,434	2,255	2,267
Appliances, utensils, and cutlery	1,540	1,592	1,736	1,589	1,713	1,635	1,729	1,789

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. 997. U.S. Machine Tool Consumption—Gross New Orders and Exports: 1999 and 2000

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

No. 998. Metalworking Machinery—Value of Shipments: 1990 to 2000

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

Product	NAICS product code	1990	1995	1996	1997	1998	1999	2000
		3,426.1	4,547.1	4,607.8	5,010.3	4,817.1	3,783.3	3,632.4
Metalworking machinery	(X)							
Metal cutting type ¹	(X)	2,371.3	3,036.6	3,141.1	3,583.3	3,481.8	2,512.6	2,552.4
Boring machines	333512A1	(²)	172.4	88.9	80.2	73.6	53.8	87.2
Drilling machines ²	333512A1	184.1	78.9	99.5	89.2	102.9	50.6	23.7
Gear cutting machines	33351211	102.7	137.1	164.3	213.5	197.7	132.0	180.6
Grinding and polishing machines	33351220	433.6	549.6	541.3	595.0	535.5	477.1	454.3
Lathes ³	33351230	355.6	478.0	451.1	480.7	472.9	297.4	287.0
Milling machines ⁴	33351240	214.3	194.8	199.7	280.2	281.1	200.5	150.5
Machining centers ⁵	33351270	437.0	698.8	779.4	931.6	897.3	597.9	629.7
Station type machines	33351280	502.1	477.0	498.6	551.9	571.0	407.1	401.8
Other metal cutting machine tools ⁶	33351290	141.9	246.2	316.0	358.3	344.6	291.7	333.2
Metal forming type	(X)	1,080.2	1,510.5	1,466.6	1,427.0	1,335.3	1,270.7	1,080.0
Punching and shearing machines	33351310 pt.	200.1	326.3	331.4	319.2	254.3	220.0	203.8
Bending and forming machines	33351310 pt.	222.9	256.9	283.0	258.5	262.7	265.8	262.4
Presses, except forging	33351330	308.3	379.2	402.0	422.4	399.5	433.7	303.1
Forging machines ⁷	33351350 pt.	73.9	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming ⁷	33351350 pt.	275.0	548.1	450.2	426.9	418.8	351.2	310.7

D Data withheld to avoid disclosure. X Not applicable. ¹ 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 1999. ² For 1990, data for "Boring machines" were combined with "Drilling machines" to avoid disclosing individual company data. ³ For 1995 through 2000 product code 33351230, "Lathes," excludes the value for product code 3335123031, All lathes valued under \$3,025 each. ⁴ For 1995 through 2000 product code 33351240, "Milling machines," excludes the value for product code 3335124001, "All milling machines valued under \$3,025 each." ⁵ Multifunction numerically controlled machines. ⁶ Excludes those designed primarily for home workshops, labs, etc. ⁷ For 1995 through 2000, data for "Forging machines" have been combined with "Other metal forming machines" to avoid disclosing individual company data.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/mq005.pdf>> (released June 2001).

No. 999. Selected Types of Construction Machinery—Value of Shipments: 1990 to 1999

[In millions of dollars (2,235.9 represents \$2,235,900,000)]

Product description	Product code	1990	1995	1996	1997	1998	1999
		2,235.9	3,041.8	3,340.1	3,912.5	4,235.9	4,144.6
Tractor shovel loaders	33312014	2,235.9	3,041.8	3,340.1	3,912.5	4,235.9	4,144.6
Power cranes, draglines, and shovels	33312011	1,511.8	2,561.4	2,740.3	2,927.4	3,289.2	3,172.2
Mixers, pavers, and related equipment	33312012	609.6	1,168.8	1,145.8	1,283.8	1,480.3	1,624.1
Off-highway trucks, truck-type tractor, chassis trailers, coal haulers, or wagons	33312013	957.7	1,326.9	1,632.6	1,596.3	1,425.6	834.6
Motor graders and light maintainers	33312016	408.0	479.9	588.4	(D)	(D)	(D)
Rough terrain forklifts	33312016	209.3	355.4	412.3	499.5	668.1	641.5
Equipment for mounting on tractors	(X)	258.6	(X)	(X)	(X)	(X)	(X)
Self-propelled continuous ditchers and trenchers	33312016	129.7	193.5	209.1	238.7	266.7	297.6
Construction machinery for mounting on trucks, tractors, and other prime movers	33312017	(X)	(D)	214.5	258.6	278.3	243.6
Aerial work platforms	33392372	814.9	1,131.1	(D)	(D)	2,055.2	2,491.8

D Withheld to avoid disclosing figures for individual companies. X Not applicable.

Source: U.S. Census Bureau, through 1989, *Current Industrial Reports*, Series MA35D; thereafter, Series MA333D. See also <<http://www.census.gov/ftp/pub/industry/1/ma35d99.pdf>> (released September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1000. Mining and Mineral Processing Equipment—Shipments: 1998 and 1999

Product	Product code	Number of companies	Quantity (units)			Value (mil. dol.)	
			1999	1998	1999	1998	1999
Mining and mineral processing equipment	(X)	(X)	(X)	(X)	(X)	1,639	1,311
Portable crushing, screening, washing, and combination plants	33312081	17	977	956	152	164	
Underground mining machinery	33313110	28	16,834	17,486	491	333	
Crushing/pulverizing/screening machinery	33313150	34	4,214	4,075	346	316	
Drills and other mining machinery, n.e.c.	33313171	26	22,671	17,037	175	132	
Portable drilling rigs and parts	3331327	21	1,658	1,620	475	366	

X Not applicable. ¹ Excludes parts. ² Excludes portables and parts. ³ N.e.c. = Not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA333F. See also <<http://www.census.gov/ftp/pub/industry/1/ma35f99.pdf>> (issued September 2000) and *Manufacturing Profiles*, Series MP, annual.

No. 1001. Engines, Refrigeration and Heating Equipment, and Pumps and Compressors—Shipments: 1995 to 1999

[23,274 represents 23,274,000]

Product	Unit	1995	1996	1997	1998	1999
Internal combustion engines produced	1,000	23,274	23,353	25,077	27,523	27,069
Gasoline (except outboard, aircraft, and auto)	1,000	22,287	22,659	23,989	26,352	25,781
Nonautomotive diesel (except aircraft)	1,000	246	270	300	296	344
Automotive diesel	1,000	732	685	771	851	927
Natural gas and LPG	1,000	9	9	18	24	16
Air-conditioning, heating equipment shipments:						
Heat transfer equipment	Mil. dol	(NA)	4,280	4,246	4,472	4,548
Room air-conditioners and dehumidifiers	Mil. dol	(NA)	1,020	1,020	1,098	1,225
Motor vehicle mechanical air-conditioning systems	Mil. dol	(NA)	2,208	2,221	2,100	2,330
Compressors and compressor units	Mil. dol	(NA)	3,092	2,796	2,814	3,034
Automotive air-conditioning compressors	Mil. dol	(NA)	1,652	1,951	1,977	2,104
Nonelectric warm air furnaces and dehumidifiers	Mil. dol	(NA)	1,562	1,558	1,607	1,564
Unitary air conditioners	Mil. dol	(NA)	4,625	4,615	5,229	5,386
Air source heat pumps	Mil. dol	(NA)	1,046	917	1,054	997
Pumps and compressors ¹	Mil. dol	7,373	8,327	8,879	9,122	8,272
Industrial pumps	Mil. dol	2,700	3,093	2,732	2,924	2,806
Domestic water systems	Mil. dol	329	361	357	409	462
Air and gas compressors	Mil. dol	2,466	2,665	2,635	2,522	2,317

NA Not available. ¹ Includes products not shown separately.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA333L, MA333M, and MA333P. See also <<http://www.census.gov/ftp/pub/industry/1/ma35l99.pdf>> (released September 2000); <<http://www.census.gov/ftp/pub/industry/1/ma35m99.pdf>> (released September 2000); <<http://www.census.gov/ftp/pub/industry/1/ma35p99.pdf>> (released September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1002. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 1999

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

Selected products	1990	1994	1995	1996	1997	1998	1999
Electronic computers ¹	25,630	38,261	49,038	50,682	50,250	56,892	62,712
Host computers (multi-users)	(NA)	(NA)	(NA)	(NA)	12,240	15,010	17,178
Single user computers	(NA)	(NA)	(NA)	(NA)	36,988	41,002	44,541
Other computers	(NA)	(NA)	(NA)	(NA)	1,022	879	993
Loaded computer processor boards and board subassemblies ²	2,247	17,515	24,448	24,937	27,040	26,047	30,382
Computer storage devices & equipment	7,488	5,556	7,903	8,909	8,837	9,319	9,720
Parts for computer storage devices & subassemblies	955	1,952	2,236	1,720	2,382	2,310	2,255
Computer terminals	2,067	1,244	1,086	1,104	781	480	
Computer peripheral equipment, n.e.c.	7,697	11,944	12,331	12,463	13,555	12,145	12,784
Parts for input/output equipment	3,706	2,499	2,391	5,505	2,628	2,630	2,362
Calculating and accounting machines	(D)	1,262	1,279	1,485	1,622	1,061	940
Magnetic and optical recording media	3,695	4,777	5,106	5,739	5,739	4,736	3,850

D Withheld to avoid disclosing data for individual companies. NA Not available. ¹ Beginning 1997, computer industry data are not entirely comparable to previous years. ² These data are collected on two Current Industrial Report forms, MA35R, "Computers and Office and Accounting Machines (Shipments)" and MA36Q, "Semiconductors, Printed Circuit Boards, and Other Electronic Components."

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334R. See also <<http://www.census.gov/ftp/pub/industry/1/ma35r99.pdf>> (released August 2000); and *Manufacturing Profiles*, series MP, annual.

No. 1003. Computers and Office and Accounting Machines—Shipments: 1998 and 1999

[Quantity in thousands of units (23,064 represents 23,064,000). Value in millions of dollars (56,891 represents \$56,891,000,000)]

Product	Number of companies, 1999	Quantity (1,000)		Value (mil. dol.)	
		1998	1999	1998	1999
Electronic computers (automatic data processors)	140	23,064	28,294	56,891	62,712
Host computers (multiusers):					
Large scale systems and unix servers	14	752	1,289	5,201	6,089
Medium-scale systems and unix servers	32	658	966	6,952	8,049
PC servers	26	(D)	630	(D)	2,499
Other host computers	11	(D)	27	(D)	542
Single user computers:					
Personal computers	41	15,585	19,398	24,524	26,308
Workstations	35	722	745	9,807	10,173
Laptops (AC/DC)	11	190	(D)	538	(D)
Notebooks, subnotebooks (battery operated)	14	2,470	(D)	5,810	(D)
Personal digital assistants	4	69	(D)	48	(D)
Other portable computers	6	223	(D)	163	(D)
Other single user computers	5	206	207	113	110
Other computers	38	1,733	1,525	879	993
Computer storage devices and equipment	79	(X)	(X)	9,319	9,720
Parts for computer storage devices and subassemblies	15	(X)	(X)	2,310	2,255
Computer terminals	39	(X)	(X)	540	481
Computer peripheral equipment, n.e.c. ¹	237	(X)	(X)	12,145	12,784
Keyboards	25	15,331	10,709	751	737
Computer printers:					
Laser	27	2,455	1,880	2,158	3,320
Inkjet	15	8,882	11,435	1,232	1,043
Calculating and accounting machines	37	(X)	(X)	1,060	940
Printed circuit assemblies	784	(X)	(X)	26,046	30,382
Magnetic and optical recording media	59	(X)	(X)	4,736	3,850

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; and *Manufacturing Profiles*, Series MP, annual. See also <<http://www.census.gov/ftp/pub/industry/1/ma35r99.pdf>> (released August 2000).

No. 1004. Computers and Industrial Electronics—Factory Shipments: 1990 to 1998

[In millions of dollars (50,793 represents \$50,793,000,000)]

Item	1990	1993	1994	1995	1996	1997	1998
Computer and peripheral equipment, total	50,793	54,821	59,254	73,555	78,278	76,287	78,831
Computers	25,973	30,002	38,261	49,038	50,682	50,250	57,347
Peripheral equipment	24,820	24,819	20,993	24,517	27,597	26,037	21,484
Industrial electronics, total	26,183	27,250	29,927	33,732	35,472	38,108	37,640
Controlling, processing equipment	12,728	13,961	15,014	16,450	17,051	18,212	17,860
Testing, measuring equipment	6,859	7,332	8,416	10,109	11,224	11,966	12,312
Nuclear electronic equipment	567	519	477	501	491	516	556
Robots, accessories, and components	275	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other electronic equipment	5,754	5,438	6,020	6,672	6,706	7,414	6,912

NA Not available.

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

No. 1005. Consumer Electronics and Electronic Components— Factory Sales by Product Category: 1990 to 1999

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

Product category	1990	1995	1996	1997	1998	1999
Total ¹	43,033	64,530	68,002	71,814	75,552	80,976
Video products:						
Direct-view color TV	6,197	6,798	6,492	6,026	6,151	6,199
LCD color TV	50	44	39	38	39	36
Projection TV	626	1,417	1,426	1,361	1,577	1,632
TV/VCR combinations	178	723	697	684	831	1,014
Monochrome TV	99	34	29	27	23	20
LCD Monochrome TV	33	31	32	30	28	25
Other video:						
VCR decks	2,439	2,767	2,815	2,618	2,409	2,333
Camcorders	2,260	2,130	2,084	1,894	2,144	2,448
Laserdisc players	72	108	66	25	10	3
Home satellite earth stations	421	1,265	1,201	726	733	957
Videocassette players	65	59	43	39	21	15
Digital versatile disc players (DVD)	(NA)	(NA)	(NA)	171	421	1,099
Home and portable products:						
Compact audio systems	1,270	1,162	1,157	1,419	1,557	1,695
Separate audio components	1,935	1,911	1,808	1,609	1,565	1,530
Home radios	360	284	291	300	300	348
Portable audio equipment	1,645	2,506	2,149	2,033	2,146	1,987
Mobile electronics:						
Aftermarket autostereo equipment	1,192	1,931	1,814	1,811	1,859	2,070
Factory installed autostereo	3,100	3,100	2,512	2,710	2,540	2,610
Wireless (cellular) telephones	1,133	2,574	2,660	2,750	2,775	2,808
Pagers	118	300	370	460	550	660
Vehicle security	190	142	165	210	213	205
Home office products:						
Cordless telephones	842	1,141	1,176	1,679	1,745	1,808
Corded telephones	638	557	553	528	489	483
Telephone answering devices	827	1,077	1,004	1,020	1,104	1,044
Home computers	4,187	12,600	15,040	15,950	16,640	16,390
Computer printers	(NA)	2,430	2,999	3,900	4,188	4,500
Modems/fax modems	(NA)	770	960	1,170	1,305	1,460
Computer peripherals	1,980	816	975	1,212	1,440	1,950
Computer software (incl. CDROM)	971	2,500	3,000	3,450	3,930	4,480
Home fax machines	920	919	839	1,139	647	455
Digital cameras	(NA)	(NA)	177	483	524	1,207
Electronic gaming:						
Electronic gaming hardware	975	1,500	1,600	1,650	1,980	2,250
Electronic gaming software	2,400	3,000	3,500	3,900	4,480	5,100
Blank media:						
Blank audio cassettes	376	334	314	281	248	208
Blank videocassettes	948	708	725	695	639	590
Blank floppy diskettes	314	373	300	250	232	200
Accessories and batteries:						
Electronic accessories	793	944	982	982	1,178	1,398
Total primary batteries	1,383	2,600	2,676	2,869	2,963	3,620

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

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

No. 1006. Communication Equipment—Value of Shipments: 1990 to 1999

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

Product description	Product code	1990	1995	1996	1997	1998	1999
Communication equipment	(X)	36,990	56,362	65,609	73,588	82,198	84,526
Telephone switching and switchboard equipment	3342101	7,537	8,178	9,618	10,302	12,422	13,864
Carrier line equipment and modems	3342104	5,014	5,869	7,545	7,278	9,379	9,065
Other telephone and telegraph equipment and components	3342107	3,181	10,510	14,031	16,488	19,897	20,381
Communication systems and equipment (except broadcast)	3342201	14,768	23,032	25,332	29,416	31,128	31,302
Broadcast, studio, and related electronic equipment	3342203	1,856	2,845	3,000	3,360	3,625	3,947
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346	296	278	256	249	264
Alarm systems	3342901	1,027	1,662	1,803	1,926	2,024	2,118
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	471	711	762	964	912	1,038
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,209	913	866	872	713	693
Laser sources	3359997	(NA)	788	844	992	(S)	(S)
Ultrasonic equipment	335999A	109	172	184	213	205	203
Other electronic systems and equipment, n.e.c. ²	335999C	1,473	1,387	1,346	1,520	1,645	1,650

NA Not available. S Does not meet publication standards. X Not applicable. ¹ Beginning in 1995, data for laser equipment, instrumentation, and components were eliminated from this survey. Only laser sources are being collected. ² N.e.c. Not elsewhere classified.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334P. See also <<http://www.census.gov/ftp/pub/industry/1/ma36p99.pdf>> (issued September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1007. Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 1999

[In millions of dollars (1,097 represents \$1,097,000,000). N.e.c.=not elsewhere classified]

Class of product	Product code	1990	1995	1996	1997	1998	1999
		Transmittal, industrial, and special-purpose electron tubes (except x-ray)	3344111	1,097	855	611	656
Electron tubes, receiving type	(X)	24	(¹)	(¹)	(¹)	(¹)	(¹)
Receiving type electron tubes and cathode ray picture tubes	3344114	1,344	1,907	1,327	1,434	1,367	3,513
Electron tube parts	3344117	143	120	153	161	147	136
Printed circuit boards	3344120	7,175	8,367	8,217	8,702	8,473	7,977
Integrated microcircuits (semiconductor networks)	3344131	16,623	48,438	52,639	57,019	57,644	62,829
Transistors	3344134	682	943	946	1,500	887	811
Diodes and rectifiers	3344137	668	1,067	861	1,191	908	955
Other semiconductor devices	334413A	5,741	12,639	10,976	10,262	11,056	11,996
Capacitors for electronic applications	3344140	1,392	1,785	1,653	2,099	1,947	1,993
Resistors	3344150	800	953	912	993	945	950
Coils, transformers, reactors, and chokes for electronic applications	3344160	976	1,412	1,436	1,426	1,368	1,391
Coaxial connectors	3344171	420	732	657	581	590	573
Cylindrical connectors	3344174	514	553	643	555	580	504
Rack and panel connectors	3344177	500	541	531	658	746	380
Printed circuit connectors	334417A	805	1,026	1,095	1,277	1,125	1,231
Other connectors including parts	334417D	1,085	1,402	1,617	2,209	1,973	1,990
Filters (except microwave) and piezoelectric devices	3344191	457	729	719	815	798	842
Microwave components and devices	3342207	1,369	1,233	1,251	1,440	1,581	1,467
Transducers, electrical/electronic input or output	3344194	741	1,111	1,105	1,220	1,373	1,499
Switches, mechanical types for electronic circuitry	3344197	579	666	738	791	883	832
Printed circuit assemblies	334418A	8,269	24,448	24,937	27,040	26,047	30,382
All other electronic components n.e.c.	334419D	4,898	6,978	7,199	7,485	7,322	7,091

X Not applicable. ¹ Product codes combined to avoid disclosing figures for individual companies.

Source: U.S. Census Bureau, *Current Industrial Reports*, Series MA334P. See also <<http://www.census.gov/ftp/pub/industry/1/ma36q99.pdf>> (released September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1008. Selected Instruments and Related Products—Shipments: 1990 to 1999

[In millions of dollars (1,418 represents \$1,418,000,000)]

Product description	Product code	1990	1995	1996	1997	1998	1999
		Automatic regulating and control valves	332911F	1,418	1,860	1,893	2,097
Solenoid-operated valves (except nuclear and fluid power transfer)	332911H	346	464	522	541	524	468
Aeronautical, nautical, and navigational instruments	3345111	2,518	2,125	2,274	2,531	2,504	2,637
Search & detection, navigation & guidance systems and equipment	3345113	32,420	24,697	26,094	26,584	26,031	23,836
Laboratory apparatus and laboratory furniture	3391110	1,675	1,837	1,799	1,888	1,843	1,823
Controls for monitoring residential and commercial environments and appliance	3345120	1,982	2,533	2,648	2,717	2,860	2,879
Process control instruments	3345130	5,224	6,439	6,745	7,073	6,637	6,546
Integrating and totalizing meters for gas and liquids	3345141	725	915	963	1,079	1,147	1,077
Counting devices	3345143	210	364	367	435	394	408
Motor vehicle instruments	3345145	1,457	2,193	2,219	2,245	2,436	2,799
Integrating instruments, electrical	3345151	396	445	458	457	460	477
Test equipment for testing electrical, radio and communication circuits, and motors	3345153	6,156	9,255	10,390	11,639	10,454	10,762
Instruments to measure electricity	3345155	586	555	500	456	377	360
Analytical, scientific instruments (except optical)	3345160	4,412	5,737	5,478	6,059	6,162	6,222
Sighting, tracking, and fire-control equipment, optical type	3333141	581	655	613	575	510	526
Optical instruments and lenses	3333143	1,252	1,579	1,749	2,005	2,068	2,252
Aircraft engine instruments (except flight)	3345191	579	430	530	521	657	658
Physical properties and kinematic testing equip.	3345193	1,012	1,374	1,369	1,523	1,728	1,693
Nuclear radiation detection and monitoring instruments	3345195	567	501	497	530	567	532
Commercial, geophysical, meteorological, and general purpose instruments	3345197	1,140	1,373	1,452	1,677	1,534	1,111
Surveying and drafting instruments	3345199	274	356	365	360	297	310

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, Series MA38B; thereafter MA334B. See also <<http://www.census.gov/ftp/pub/industry/1/ma38b99.pdf>> (issued September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1009. Motor Vehicle Manufactures—Summary by Selected Industry: 1999

[1,167,167 represents 1,167,167,000. Based on the Annual Survey of Manufactures; see Appendix III]

Industry	NAICS code ¹	All employees ²			Production workers ² (1,000)	Value of shipments ³ (mil. dol.)
		Payroll		Per employee (dol.)		
		Number	Total (mil. dol.)			
Motor vehicle manufacturing, total	(X)	1,167,167	52,679	45,134	962,639	497,577
Motor vehicle, total	3361	233,339	14,563	62,410	205,834	267,476
Automobile & light duty motor vehicle	33611	197,754	12,928	65,372	176,208	245,403
Automobile	336111	104,215	6,253	60,005	90,278	105,210
Light truck & utility vehicle	336112	93,539	6,674	71,353	85,930	140,193
Heavy duty truck	33612	35,585	1,635	45,947	29,625	22,073
Motor vehicle body & trailer	3362	139,265	4,133	29,674	114,313	28,631
Motor vehicle body & trailer	33621	139,265	4,133	29,674	114,313	28,631
Motor vehicle body	336211	43,686	1,392	31,859	34,189	10,461
Truck trailer	336212	35,425	1,005	28,361	30,232	6,839
Motor home	336213	20,005	630	31,514	16,448	5,161
Travel trailer & camper	336214	40,149	1,106	27,540	33,445	6,169
Motor vehicle parts	3363	794,563	33,984	42,771	642,492	201,470
Motor vehicle gasoline engine & engine parts	33631	96,439	4,568	47,369	79,053	30,431
Carburetor, piston, piston ring, & valve	336311	17,727	748	42,204	14,603	3,147
Gasoline engine & engine parts	336312	78,712	3,820	48,532	64,450	27,283
Motor vehicle electrical & electronic equip.	33632	115,022	4,085	35,518	88,031	25,891
Vehicular lighting equipment	336321	17,237	682	39,559	12,952	3,249
Other motor vehicle electrical & electronic equip.	336322	97,785	3,403	34,806	75,079	22,643
Motor vehicle steering & suspension components, ex. spring	33633	48,697	2,494	51,205	40,480	11,300
Motor vehicle brake system	33634	44,608	1,688	37,834	35,021	12,454
Motor vehicle transmission & power train parts	33635	111,031	5,822	52,437	91,113	35,062
Motor vehicle seating & interior trim	33636	55,519	1,967	35,424	44,534	14,276
Motor vehicle metal stamping	33637	119,521	5,931	49,627	101,112	24,939
Other motor vehicle parts	33639	203,727	7,429	36,465	163,148	47,118

X Not applicable. ¹ North American Industrial Classification System, 1997; see text, Section 15, Business Enterprise. 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 M99(AS)-1.

No. 1010. Motor Vehicle Manufactures—Employees, Payroll, and Shipments by Major State: 1999

[14,563 represents 14,563,000,000. Industry based on the North American Industrial Classification System (NAICS); see text, Section 15, Business Enterprise]

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	233,339	14,563	267,476	139,265	4,133	28,631	794,563	33,984	201,470
Alabama	(D)	(D)	(D)	4,264	123	932	12,732	651	3,455
Arkansas	(NA)	(NA)	(NA)	2,475	65	526	7,844	181	1,124
California	6,736	349	3,108	11,235	345	4,741	25,420	678	3,613
Florida	(NA)	(NA)	(NA)	4,353	137	763	5,075	147	703
Georgia	8,080	499	11,031	3,612	105	745	9,783	286	2,189
Illinois	9,302	621	9,395	4,611	123	830	30,375	980	5,560
Indiana	7,829	471	9,232	29,254	956	6,895	101,944	4,697	25,758
Iowa	(NA)	(NA)	(NA)	8,804	257	1,464	9,430	306	1,828
Kentucky	18,461	1,381	30,053	(NA)	(NA)	(NA)	25,164	812	6,647
Massachusetts	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6,245	265	1,092
Michigan	52,783	3,511	65,692	3,807	111	665	197,740	10,390	57,038
Mississippi	(NA)	(NA)	(NA)	1,299	26	183	10,808	289	1,853
Missouri	(D)	(D)	(D)	2,731	63	280	17,751	478	4,300
New York	(NA)	(NA)	(NA)	998	28	179	30,235	1,738	9,403
North Carolina	(D)	(D)	(D)	4,194	150	794	20,283	675	5,318
Ohio	34,797	2,052	38,004	5,165	158	804	108,907	5,607	31,906
Oklahoma	(D)	(D)	(D)	4,682	112	551	6,654	170	1,110
Oregon	3,341	128	2,068	4,235	118	731	2,939	114	622
Pennsylvania	(D)	(D)	(D)	7,771	214	1,431	15,688	615	3,618
South Carolina	4,562	181	3,275	1,455	29	123	15,904	516	4,247
Tennessee	15,278	906	9,559	2,113	69	486	34,266	1,100	8,148
Texas	(D)	(D)	(D)	6,473	186	1,022	16,347	494	3,607
Utah	(NA)	(NA)	(NA)	1,450	35	248	5,287	163	1,721
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	10,651	346	2,364
Wisconsin	(D)	(D)	(D)	5,956	196	1,132	21,793	891	6,413

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

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M99(AS)-3.

No. 1011. Aerospace—Sales, New Orders, and Backlog: 1990 to 1999

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

Item	1990	1994	1995	1996	1997	1998	1999
Net sales	136.6	104.3	102.8	103.1	114.9	119.2	123.6
Percent U.S. Government	53.8	54.8	49.5	49.8	40.3	39.9	45.6
Complete aircraft and parts ¹	49.9	43.3	42.5	41.8	54.5	63.6	68.3
Aircraft engines and parts	16.4	11.3	12.5	15.7	12.1	12.8	14.4
Missiles and space vehicles, parts	22.0	18.4	18.4	18.5	21.0	16.1	15.7
Other products, services	48.3	31.3	29.4	27.1	27.0	26.7	25.2
Net, new orders	146.0	88.7	109.1	126.3	119.0	109.9	114.2
Backlog, Dec. 31	250.1	192.6	202.6	229.9	219.0	200.2	190.1

¹ Except engines sold separately.

Source: U.S. Census Bureau, 1990-1997, *Current Industrial Reports*, Series M37G; thereafter M336G. See also <<http://www.census.gov/ftp/pub/industry/1/m37g9913.pdf>> (released September 2000); and *Manufacturing Profiles*, Series MP, annual.

No. 1012. Net Orders for U.S. Civil Jet Transport Aircraft: 1990 to 2000

[1990 data are net new firm orders; beginning 1994, net announced orders. Minus sign (-) indicates net cancellations. In 1997 Boeing acquired McDonnell Douglas]

Type of aircraft and customer	1990	1994	1995	1996	1997	1998	1999	2000
Total number ¹	670	79	421	595	501	601	346	585
U.S. customers	259	12	138	408	258	392	192	412
Foreign customers	411	67	283	187	243	209	70	193
Boeing 737, total	189	49	189	349	280	350	258	378
U.S. customers	38	9	85	284	120	207	155	302
Foreign customers	151	40	104	65	160	143	45	86
Boeing 747, total	153	-5	35	66	37	-4	22	24
U.S. customers	24	-1	2	22	15	1	1	1
Foreign customers	129	-4	33	44	22	-5	19	18
Boeing 757, total	66	5	-7	44	45	47	18	43
U.S. customers	33	-1	-6	35	25	34	7	38
Foreign customers	33	6	-1	9	20	13	2	14
Boeing 767, total	60	27	26	10	96	40	32	6
U.S. customers	23	11	4	11	85	31	21	-2
Foreign customers	37	16	22	-1	11	9	1	14
Boeing 777, total	34	-	83	88	46	65	21	113
U.S. customers	34	-	-	37	24	42	8	60
Foreign customers	-	-	83	51	22	23	8	53
McDonnell Douglas MD-11, total	52	2	-6	9	11	12	-	-
U.S. customers	16	2	3	1	-	3	-	-
Foreign customers	36	-	-9	8	11	9	-	-
McDonnell Douglas MD-80/90, total	116	1	51	29	-14	26	-20	-
U.S. customers	91	-8	-	18	-11	24	-	-
Foreign customers	25	9	51	11	-3	2	-20	-
McDonnell Douglas MD-95, total	-	-	50	-	-	65	15	21
U.S. customers	-	-	50	-	-	50	-	13
Foreign customers	-	-	-	-	-	15	15	8

- 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 <<http://www.aia-aerospace.org>> (released 14 March 2001).

No. 1013. U.S. Aircraft Shipments: 1980 to 2000

Year	Total		Civil						Military	
	Units	Value	Large transports		General aviation ¹		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1980	14,677	18,929	387	9,895	11,877	2,486	1,366	656	1,047	5,892
1985	3,610	27,269	278	8,448	2,029	1,431	384	506	919	16,884
1990	3,321	38,585	521	22,215	1,144	2,007	603	254	1,053	14,109
1991	3,092	44,657	589	26,856	1,021	1,968	571	211	911	15,622
1992	2,585	47,397	567	28,750	941	1,840	324	142	753	16,665
1993	2,585	41,166	408	24,133	964	2,144	258	113	955	14,776
1994	2,309	36,568	309	18,124	928	2,357	308	185	764	15,902
1995	2,436	33,658	256	15,263	1,077	2,842	292	194	811	15,359
1996	2,235	36,247	269	17,564	1,130	3,127	278	193	558	15,363
1997	2,777	42,614	374	25,810	1,569	4,674	346	231	488	11,899
1998	3,560	55,286	559	36,880	2,220	5,874	363	252	418	12,280
1999	3,823	58,136	620	38,475	2,525	7,935	345	200	333	11,526
2000, est.	3,772	50,481	489	31,171	2,490	8,040	493	270	300	11,500

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 2001

[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 1081]

Product group and customer	Current dollars					Constant (1987) dollars ³				
	1990	1995	1999	2000 ¹	2001 ²	1990	1995	1999	2000 ¹	2001 ²
Total sales	134.4	107.8	151.1	143.7	145.3	123.7	86.6	116.8	109.7	108.8
PRODUCT GROUP										
Aircraft, total	71.4	55.0	86.7	78.1	80.9	65.7	44.2	67.0	59.6	60.6
Civil ⁴	31.3	24.0	51.4	45.6	47.6	28.8	19.2	39.8	34.8	35.6
Military	40.1	31.1	35.2	32.5	33.4	36.9	25.0	27.2	24.8	25.0
Missiles	14.2	7.4	8.9	9.7	9.4	13.1	5.9	6.8	7.4	7.0
Space	26.4	27.4	30.4	32.0	30.8	24.4	22.0	23.5	24.4	23.0
Related products and services ⁵	22.4	18.0	25.2	24.0	24.2	20.6	14.4	19.5	18.3	18.1
CUSTOMER GROUP										
Aerospace, total	112.0	89.8	125.9	119.8	121.1	103.1	71.5	97.3	91.4	90.6
DOD ⁶	60.5	42.4	45.1	45.4	47.6	55.7	33.7	34.8	34.6	35.6
NASA ⁷ and other agencies	11.1	11.4	13.3	12.9	11.4	10.0	9.1	10.3	9.8	8.5
Other customers ⁸	40.4	36.0	67.5	61.5	62.1	36.5	28.6	52.2	47.0	46.5
Related products and services ⁵	22.4	18.0	24.7	24.0	24.2	20.6	14.4	19.5	18.3	18.1

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 nonaerospace 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, 2000 Year-End Review and Forecast, Internet site <<http://www.aia-aerospace.org>>

No. 1015. Firearms Manufacturers—Shipments, Exports, and Imports: 1980 to 1998

[In thousands of units (5,645 represents 5,645,000)]

Year	Shipments				Exports				Imports ¹			
	Total	Hand-guns	Rifles	Shot-guns	Total	Hand-guns	Rifles	Shot-guns	Total	Hand-guns	Rifles	Shot-guns
1980	5,645	2,370	1,936	1,339	517	220	171	127	754	299	182	273
1985	3,460	1,550	1,141	770	183	95	44	45	697	229	271	197
1986	3,040	1,428	971	641	217	121	37	59	701	231	269	201
1987	3,523	1,659	1,006	858	242	159	42	41	1,064	342	414	308
1988	3,818	1,746	1,145	928	254	132	54	69	1,276	622	283	372
1989	4,374	2,031	1,407	936	259	118	73	68	1,008	440	293	274
1990	3,844	1,839	1,156	849	354	178	72	104	844	449	204	192
1991	3,550	1,838	883	828	398	190	91	118	721	293	311	116
1992	4,030	2,010	1,002	1,018	398	189	90	119	2,847	982	1,423	442
1993	5,130	2,825	1,160	1,145	414	149	94	171	3,043	1,205	1,593	246
1994	5,161	2,582	1,324	1,255	401	173	82	147	1,881	915	848	118
1995	4,228	1,723	1,332	1,174	420	230	89	101	1,103	706	261	136
1996	3,835	1,484	1,424	926	326	154	75	97	882	491	263	128
1997	3,574	1,407	1,251	916	271	108	77	86	939	474	359	106
1998	3,645	1,240	1,536	869	200	45	66	90	1,000	532	249	219

¹ 1980-1991, imports are on fiscal year basis; thereafter, calendar year.

Source: U.S. Department of Treasury, Bureau of Alcohol, Tobacco, and Firearms, *Commerce in Firearms in the United States*, February 2000.

No. 1016. Selected Industrial Air Pollution Control Equipment—Shipments: 1998

[Quantity in number of units, value in thousands of dollars (848,174 represents \$858,174,000)]

Product	Product code	Number of companies	New orders		Shipments		Backlog (Dec. 31)	
			Quantity	Value	Quantity	Value	Quantity	Value
Total	(X)	110	(S)	848,174	(S)	844,463	(S)	414,273
Particulate emissions collectors	(X)	86	81,718	511,142	82,013	534,885	11,177	173,440
Electrostatic precipitators	3334111111	14	(D)	(D)	(D)	(D)	(D)	(D)
Fabric filters	3334111114	55	64,888	302,920	65,096	302,850	9,614	72,808
Mechanical collectors	3334111116	34	(D)	(D)	(D)	(D)	(D)	(D)
Wet scrubbers	3334111119	26	1,323	57,706	1,362	42,406	182	32,800
Gaseous emissions control devices	(X)	38	(S)	237,300	(S)	203,048	(S)	217,974
Catalytic oxidation systems	333411111C	11	(D)	(D)	(D)	(D)	(D)	(D)
Nitric oxide (NO) control systems	333411111E	2	(D)	(D)	(D)	(D)	(D)	(D)
Thermal & direct oxidation systems	333411111G	17	(S)	61,614	(S)	73,776	(S)	37,719
Scrubbers (gas absorber)	333411111J	11	436	24,494	461	21,678	114	12,473
Wet flue gas desulfurization systems	333411111M	3	(D)	(D)	(D)	(D)	(D)	(D)
Dry flue gas desulfurization systems	333411111P	2	(D)	(D)	(D)	(D)	(D)	(D)
Gas absorbers	333411111R	8	36	14,899	47	14,631	15	9,372
Other	333411111U	16	(S)	99,372	(S)	106,530	(S)	22,859

D Data withheld to avoid disclosure of company data. S Does not meet publication standards. X Not applicable.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual, and <<http://www.census.gov/fpub/industry/11ma35j98.pdf>> (released February 2000). Note: 1998 is the last report in the series.