

Carburetor, Piston, Piston Ring, and Valve Manufacturing: 2002

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Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
336311, Carburetor, piston, piston ring, and valve manufacturing	2002..	113	132	11 982	475 663	9 386	20 480	334 561	1 346 042	658 468	2 001 694	'97 657
	2001..	N	N	14 135	519 826	11 051	21 285	357 293	1 263 557	774 466	2 050 589	109 053
	2000..	N	N	17 748	770 909	14 935	31 670	587 409	1 853 315	1 460 724	3 279 214	114 055
	1999..	N	N	17 341	735 552	14 268	30 735	567 225	1 757 693	1 336 803	3 108 445	197 270
	1998..	N	N	17 706	709 099	14 579	30 761	536 278	1 676 075	1 225 645	2 913 458	199 256
	1997..	122	141	17 241	663 961	14 285	29 836	504 719	1 587 949	1 138 820	2 731 573	180 295

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336311, Carburetor, piston, piston ring, and valve manufacturing												
United States	-	132	57	11 982	475 663	9 386	20 480	334 561	1 346 042	658 468	2 001 694	'97 657
California	2	26	10	935	27 849	738	1 458	17 095	63 685	30 288	94 264	'11 263
Michigan	-	10	5	1 259	53 181	865	1 716	30 104	145 382	65 637	209 799	'4 631
Nevada	-	4	3	279	8 219	205	462	5 099	25 231	11 364	36 478	'190
Ohio	-	7	2	508	22 144	390	768	12 815	53 499	18 866	71 791	'2 315
Texas	4	11	3	216	6 435	174	341	4 540	12 948	7 077	19 522	'375

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
336311, Carburetor, piston, piston ring, and valve manufacturing	
Companies ¹	number.. 113
All establishments ²	number.. 132
Establishments with 1 to 19 employees	number.. 75
Establishments with 20 to 99 employees	number.. 33
Establishments with 100 employees or more	number.. 24
All employees ³	number.. 11 982
Total compensation	\$1,000.. 632 746
Annual payroll	\$1,000.. 475 663
Total fringe benefits	\$1,000.. 157 083
Production workers, average for year	number.. 9 386
Production workers on March 12	number.. 9 347
Production workers on May 12	number.. 9 556
Production workers on August 12	number.. 9 478
Production workers on November 12	number.. 9 141
Production worker hours	1,000.. 20 480
Production worker wages	\$1,000.. 334 561
Total cost of materials	\$1,000.. 658 468
Materials, parts, containers, packaging, etc., used	\$1,000.. 526 058
Resales	\$1,000.. 85 873
Purchased fuels	\$1,000.. 6 706
Purchased electricity	\$1,000.. 26 826
Contract work	\$1,000.. 13 005
Quantity of electricity purchased for heat and power	1,000 kWh.. 575 694
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 2 001 694
Primary products value of shipments	\$1,000.. 1 773 605
Secondary products value of shipments	\$1,000.. 82 952
Total miscellaneous receipts	\$1,000.. 145 137
Value of resales	\$1,000.. 136 565
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 96
Value of primary products shipments made in all industries	\$1,000.. 2 238 225
Value of primary products shipments made in this industry	\$1,000.. 1 773 605
Value of primary products shipments made in other industries	\$1,000.. 464 620
Coverage ratio	percent.. 79
Value added	\$1,000.. 1 346 042
Total inventories, beginning of year	\$1,000.. 188 885
Finished goods inventories	\$1,000.. 90 450
Work-in-process inventories	\$1,000.. 31 994
Materials and supplies inventories	\$1,000.. 66 441
Total inventories, end of year	\$1,000.. 193 512
Finished goods inventories	\$1,000.. 90 003
Work-in-process inventories	\$1,000.. 35 257
Materials and supplies inventories	\$1,000.. 68 252
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. [†] 1 152 443
Total capital expenditures (new and used)	\$1,000.. 97 657
Buildings and other structures (new and used)	\$1,000.. 14 715
Machinery and equipment (new and used)	\$1,000.. 82 942
Automobiles, trucks, etc., for highway use	\$1,000.. 1 790
Computers and peripheral data processing equipment	\$1,000.. 1 702
All other expenditures for machinery and equipment	\$1,000.. 80 450
Total retirements	\$1,000.. 53 642
Gross value of depreciable assets at end of year	\$1,000.. [†] 1 196 458
Depreciation charges during year	\$1,000.. 58 609
Total rental payments	\$1,000.. 12 268
Buildings and other structures	\$1,000.. 5 758
Machinery and equipment	\$1,000.. 6 510
Total other expenses ⁴	\$1,000.. 195 475
Response coverage ratio ⁵	percent.. 89
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 26 279
Communications services ⁴	\$1,000.. 3 707
Legal services ⁴	\$1,000.. 7 072
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 748
Advertising and promotional services ⁴	\$1,000.. 15 330
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 663
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 384
Management consulting and administrative services ⁴	\$1,000.. 5 313
Taxes and license fees ⁴	\$1,000.. 11 274
All other expenses ⁴	\$1,000.. 119 706

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336311, Carburetor, piston, piston ring, and valve manufacturing											
All establishments	—	132	11 982	475 663	9 386	20 480	334 561	1 346 042	658 468	2 001 694	'97 657
Establishments with—											
1 to 4 employees	9	33	66	2 146	52	98	1 619	4 910	3 177	8 080	'225
5 to 9 employees	8	25	162	5 564	141	274	4 515	13 352	10 804	24 407	'733
10 to 19 employees	5	17	223	8 038	174	364	5 439	19 809	10 190	29 549	'2 149
20 to 49 employees	3	17	569	21 622	428	859	13 557	50 113	32 315	82 085	'3 879
50 to 99 employees	2	16	1 041	34 547	751	1 507	20 816	75 721	42 049	118 235	'3 171
100 to 249 employees	—	10	1 745	64 165	1 269	2 881	40 097	258 155	62 416	325 495	'18 655
250 to 499 employees	—	7	2 563	106 458	1 875	3 965	67 793	232 271	98 562	329 805	9 800
500 to 999 employees	—	6	h	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	55	404	14 731	345	693	11 806	33 972	22 711	56 676	'1 999

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
336311	Carburetor, piston, piston ring, and valve manufacturing	132	11 982	475 663	9 386	20 480	334 561	1 346 042	658 468	2 001 694	'97 657
3363111	Carburetors, new and rebuilt (all types)	9	1 015	29 032	583	1 390	10 487	150 032	15 503	172 829	'3 022
3363113	Pistons, piston rings, and piston pins (engine)	40	8 119	331 866	6 676	14 687	249 205	817 319	493 312	1 302 419	'79 059
3363115	Valves (engine intake and exhaust) .	10	2 121	89 076	1 516	3 221	54 965	321 059	112 322	431 628	13 012

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
336311	Carburetor, piston, piston ring, and valve manufacturing	2002.. N 1997.. N	X X	X X	2 238 225 2 426 407
3363111	Carburetors, new and rebuilt (all types)	2002.. N 1997.. N	X X	X X	415 523 935 569
33631111	Carburetors, new and rebuilt, except parts	2002.. N 1997.. N	X X	X X	D D
3363111101	Carburetors for motor vehicle engines (passenger car, truck, and bus), new, all types	2002.. 4 1997.. 6	X X	X X	D 556 687
3363111103	All other carburetors, new, all types	2002.. 3 1997.. 7	X X	X X	D D
3363111105	Carburetors, rebuilt, all types	2002.. 8 1997.. 13	X X	X X	49 471 92 779
33631112	Parts for carburetors (excluding gaskets and screw machine products)	2002.. N 1997.. N	X X	X X	D D
3363111207	Parts for carburetors (excluding gaskets and screw machine products)	2002.. 4 1997.. 6	X X	X X	D D
3363111Y	Carburetors, new and rebuilt (all types), nsk	2002.. N 1997.. N	X X	X X	16 251 -
3363111YWV	Carburetors, new and rebuilt (all types), nsk	2002.. N 1997.. N	X X	X X	16 251 -
3363113	Pistons, piston rings, and piston pins (engine)	2002.. N 1997.. N	X X	X X	1 317 260 1 029 243
33631131	Pistons, all types	2002.. N 1997.. N	X X	X X	762 749 633 278
3363113101	Pistons for motor vehicle engines (passenger car, truck, and bus), all types (machined), except rough castings	2002.. 16 1997.. 14	X X	X X	691 471 500 780
3363113103	All other engine pistons, all types (machined), except rough castings	2002.. 12 1997.. 20	X X	X X	71 278 132 498
33631132	Piston rings, all types	2002.. N 1997.. N	X X	X X	D D
3363113205	Oil type piston rings for motor vehicle engines (passenger car, truck, and bus), all types	2002.. 8 1997.. 5	X X	X X	252 648 34 549
3363113207	All other oil type engine piston rings	2002.. 6 1997.. 7	X X	X X	D 13 237
3363113209	Compression type piston rings for motor vehicle engines (passenger car, truck, and bus), all types	2002.. 6 1997.. 4	X X	X X	32 202 D
3363113211	All other compression type engine piston rings	2002.. 14 1997.. 14	X X	X X	63 127 95 904
33631133	Engine piston pins	2002.. N 1997.. N	X X	X X	D D
3363113313	Engine piston pins	2002.. 3 1997.. 5	X X	X X	D D
3363113Y	Pistons, piston rings, and piston pins (engine), nsk	2002.. N 1997.. N	X X	X X	33 892 26 952
3363113YWV	Pistons, piston rings, and piston pins (engine), nsk	2002.. N 1997.. N	X X	X X	33 892 26 952
3363115	Valves (engine intake and exhaust)	2002.. N 1997.. N	X X	X X	426 144 418 319
33631151	Intake and exhaust valves for all engines	2002.. N 1997.. N	X X	X X	422 043 418 319
3363115101	Intake and exhaust valves for motor vehicle engines (passenger car, truck, and bus)	2002.. 7 1997.. 10	X X	X X	D 259 454
3363115103	Intake and exhaust valves for other engines	2002.. 12 1997.. 13	X X	X X	D 158 865
3363115Y	Valves (engine intake and exhaust), nsk	2002.. N 1997.. N	X X	X X	4 101 -
3363115YWV	Valves (engine intake and exhaust), nsk	2002.. N 1997.. N	X X	X X	4 101 -
336311W	Carburetor, piston, piston ring, and valve manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	79 298 43 276
336311WY	Carburetor, piston, piston ring, and valve manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	79 298 43 276
336311WYWW	Carburetor, piston, piston ring, and valve manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	27 129 7 102
336311WYWY	Carburetor, piston, piston ring, and valve manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	52 169 36 174

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3363111	Carburetors, new and rebuilt (all types)	
	United States.....	2002.. 415 523 1997.. 935 569
	California	2002.. 14 450 1997.. 30 929
3363113	Pistons, piston rings, and piston pins (engine)	
	United States.....	2002.. 1 317 260 1997.. 1 029 243
	California	2002.. 49 695 1997.. 22 025
	Michigan.....	2002.. 128 593 1997.. 83 375
	Ohio	2002.. 63 611 1997.. 42 433
	Texas	2002.. 9 763 1997.. 14 756
3363115	Valves (engine intake and exhaust)	
	United States.....	2002.. 426 144 1997.. 418 319

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336311	Carburetor, piston, piston ring, and valve manufacturing		
0090001	Total materials	2002.. X	526 058
		1997.. X	1 012 271
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	2002.. X	1 399
		1997.. X	51 501
33200095	Other fabricated metal products (excluding castings and forgings)	2002.. X	3 678
		1997.. X	31 984
33151001	Iron and steel castings (rough and semifinished)	2002.. X	128 040
		1997.. X	77 362
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	2002.. X	194 284
		1997.. X	243 996
33152003	Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum-base alloy)	2002.. X	D
		1997.. X	D
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	2002.. X	26 980
		1997.. X	53 011
33120085	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	120 061
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	4 490
		1997.. X	N
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	2002.. X	2 610
		1997.. X	7 938
00190003	Flexible packaging materials	2002.. X	914
		1997.. X	389
33999103	Gaskets (all types), and packing and sealing devices	2002.. X	1 350
		1997.. X	9 156
00970099	All other materials and components, parts, containers, and supplies	2002.. X	79 415
		1997.. X	289 578
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X	27 369
		1997.. X	50 522

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.