

# Industrial and Commercial Fan and Blower Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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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 <sup>1</sup>	Com-panies <sup>2</sup>	All estab-lish-ments <sup>3</sup>	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 <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
333412, Industrial and commercial fan and blower manufacturing .....	2002..	128	154	11 079	403 647	8 068	18 190	246 417	1 032 874	785 746	1 832 169	57 799
	2001..	N	N	13 701	487 257	9 822	19 717	286 118	1 088 832	933 966	2 038 365	55 133
	2000..	N	N	15 122	510 939	11 079	21 089	305 899	1 172 163	1 012 825	2 192 520	43 869
	1999..	N	N	15 656	513 224	11 076	22 401	302 025	1 178 784	904 747	2 089 822	57 115
	1998..	N	N	14 534	476 050	10 347	19 985	282 475	958 866	933 817	1 901 657	49 644
	1997..	173	203	13 706	431 622	9 384	19 317	245 078	1 003 573	893 815	1 899 077	54 985

<sup>1</sup>Statistics 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).

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

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number 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 <sup>2</sup>		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 <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)					Wages (\$1,000)
<b>333412, Industrial and commercial fan and blower manufacturing</b>												
United States .....	—	154	102	11 079	403 647	8 068	18 190	246 417	1 032 874	785 746	1 832 169	157 799
California .....	3	11	7	476	17 485	367	725	11 360	39 062	22 454	61 732	11 664
Illinois .....	—	10	8	1 239	45 594	865	1 619	25 042	87 547	71 081	158 586	14 324
Michigan .....	4	9	7	500	16 970	342	697	9 352	32 405	51 674	87 632	946
Minnesota .....	—	8	4	315	11 418	200	387	6 023	25 630	20 393	44 892	1410
Missouri .....	—	4	4	1 382	51 576	996	2 134	32 709	117 700	90 141	207 751	113 059
New York .....	—	7	4	439	18 827	323	631	12 570	42 044	13 949	56 156	1391
North Carolina .....	—	6	5	411	12 517	308	522	7 301	44 212	32 240	75 613	1363
Ohio .....	—	18	13	1 206	48 542	835	2 711	27 517	129 514	93 957	221 306	115 178
Pennsylvania .....	—	7	4	282	12 082	163	318	5 697	28 478	18 611	46 947	1572
Texas .....	1	9	5	469	14 533	372	732	10 455	32 776	28 754	61 951	11 345
Wisconsin .....	—	6	4	487	16 420	397	640	11 875	71 441	33 706	103 499	1374

<sup>1</sup>Some 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.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number 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
<b>333412, Industrial and commercial fan and blower manufacturing</b>	
Companies <sup>1</sup> .....	number.. 128
All establishments <sup>2</sup> .....	number.. 154
Establishments with 1 to 19 employees .....	number.. 52
Establishments with 20 to 99 employees .....	number.. 66
Establishments with 100 employees or more .....	number.. 36
All employees <sup>3</sup> .....	number.. 11 079
Total compensation .....	\$1,000.. 504 356
Annual payroll .....	\$1,000.. 403 647
Total fringe benefits .....	\$1,000.. 100 709
Production workers, average for year .....	number.. 8 068
Production workers on March 12 .....	number.. 8 317
Production workers on May 12 .....	number.. 8 171
Production workers on August 12 .....	number.. 8 023
Production workers on November 12 .....	number.. 7 750
Production worker hours .....	1,000.. 18 190
Production worker wages .....	\$1,000.. 246 417
Total cost of materials .....	\$1,000.. 785 746
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 720 987
Resales .....	\$1,000.. 40 616
Purchased fuels .....	\$1,000.. 4 364
Purchased electricity .....	\$1,000.. 11 391
Contract work .....	\$1,000.. 8 388
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 182 678
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 8 946
Total value of shipments .....	\$1,000.. 1 832 169
Primary products value of shipments .....	\$1,000.. 1 609 357
Secondary products value of shipments .....	\$1,000.. 136 794
Total miscellaneous receipts .....	\$1,000.. 86 018
Value of resales .....	\$1,000.. 53 288
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. D
Primary products specialization ratio .....	percent.. 92
Value of primary products shipments made in all industries .....	\$1,000.. 1 669 747
Value of primary products shipments made in this industry .....	\$1,000.. 1 609 357
Value of primary products shipments made in other industries .....	\$1,000.. 60 390
Coverage ratio .....	percent.. 96
Value added .....	\$1,000.. 1 032 874
Total inventories, beginning of year .....	\$1,000.. 254 081
Finished goods inventories .....	\$1,000.. 49 139
Work-in-process inventories .....	\$1,000.. 54 750
Materials and supplies inventories .....	\$1,000.. 150 192
Total inventories, end of year .....	\$1,000.. 219 869
Finished goods inventories .....	\$1,000.. 40 272
Work-in-process inventories .....	\$1,000.. 50 068
Materials and supplies inventories .....	\$1,000.. 129 529
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '627 807
Total capital expenditures (new and used) .....	\$1,000.. '57 799
Buildings and other structures (new and used) .....	\$1,000.. '9 145
Machinery and equipment (new and used) .....	\$1,000.. '48 654
Automobiles, trucks, etc., for highway use .....	\$1,000.. '2 490
Computers and peripheral data processing equipment .....	\$1,000.. '8 110
All other expenditures for machinery and equipment .....	\$1,000.. '38 054
Total retirements .....	\$1,000.. '30 445
Gross value of depreciable assets at end of year .....	\$1,000.. '655 161
Depreciation charges during year .....	\$1,000.. '43 168
Total rental payments .....	\$1,000.. 22 760
Buildings and other structures .....	\$1,000.. 14 094
Machinery and equipment .....	\$1,000.. 8 666
Total other expenses <sup>4</sup> .....	\$1,000.. 155 846
Response coverage ratio <sup>5</sup> .....	percent.. 91
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 7 588
Communications services <sup>4</sup> .....	\$1,000.. 3 958
Legal services <sup>4</sup> .....	\$1,000.. 2 241
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 2 026
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 5 504
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 2 148
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 880
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 1 419
Taxes and license fees <sup>4</sup> .....	\$1,000.. 5 783
All other expenses <sup>4</sup> .....	\$1,000.. 112 255

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

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number 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.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A 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 <sup>1</sup>	All establishments <sup>2</sup>	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 <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>333412, Industrial and commercial fan and blower manufacturing</b>											
All establishments .....	—	154	11 079	403 647	8 068	18 190	246 417	1 032 874	785 746	1 832 169	'57 799
Establishments with—											
1 to 4 employees .....	9	17	33	908	20	32	537	1 618	1 065	2 693	'33
5 to 9 employees .....	6	15	109	3 830	72	140	2 142	6 400	5 970	12 922	'338
10 to 19 employees .....	1	20	283	9 909	194	362	5 617	35 418	21 408	56 778	'1 019
20 to 49 employees .....	1	48	1 627	60 472	1 101	2 429	32 313	158 233	151 572	309 944	'8 465
50 to 99 employees .....	1	18	1 279	46 118	848	2 177	24 606	105 231	96 467	205 267	'7 420
100 to 249 employees .....	1	26	3 955	137 443	2 991	6 692	89 002	327 317	242 279	566 060	'22 434
250 to 499 employees .....	—	8	h	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	28	131	4 321	95	182	2 766	9 256	7 364	16 606	'233

<sup>1</sup>Some 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.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number 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.

<sup>4</sup>Some 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 <sup>1</sup>	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 <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
333412	Industrial and commercial fan and blower manufacturing .....	154	11 079	403 647	8 068	18 190	246 417	1 032 874	785 746	1 832 169	'57 799
3334120	Industrial and commercial fans and blowers .....	154	11 079	403 647	8 068	18 190	246 417	1 032 874	785 746	1 832 169	'57 799

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number 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)
333412	Industrial and commercial fan and blower manufacturing .....	2002.. N	X	X	1 669 747
		1997.. N	X	X	2 011 616
33341201	Power roof ventilators and parts .....	2002.. N	X	X	103 285
		1997.. N	X	X	131 482
3334120101	Axial and propeller type power roof ventilators, except parts .....	2002.. 12	X	X	25 948
		1997.. 13	X	X	37 968
3334120104	Centrifugal type power roof ventilators, except parts .....	2002.. 7	X	X	71 417
		1997.. 7	X	X	77 432
3334120107	Parts for power roof ventilators .....	2002.. 5	X	X	5 920
		1997.. 5	X	X	16 082
33341202	Centrifugal blower-filter units, and classes I-IV centrifugal fans, except parts .....	2002.. N	X	X	507 701
		1997.. N	X	X	298 358
3334120217	Centrifugal blower-filter units .....	2002.. 21	X	X	315 474
		1997.. 16	X	X	84 967
3334120219	Centrifugal classes I and II fans (more than 1 1/2 in. to 6 3/4 in. maximum total pressure) .....	2002.. 21	X	X	106 506
		1997.. 22	X	X	137 931
3334120221	Centrifugal classes III and IV fans (more than 6 3/4 in. maximum total pressure) .....	2002.. 23	X	X	85 721
		1997.. 22	X	X	75 460
33341203	Other centrifugal fans and blowers, except parts .....	2002.. N	X	X	653 531
		1997.. N	X	X	859 636
3334120324	Industrial centrifugal fans, excluding blowers, turboblowers, and multistage blowers .....	2002.. 36	X	X	181 130
		1997.. 27	X	X	98 090
3334120327	Positive displacement centrifugal blowers, excluding turboblowers .....	2002.. 6	X	X	24 486
		1997.. 8	X	X	148 562
3334120329	Multistage centrifugal blowers .....	2002.. 12	X	X	93 347
		1997.. 7	X	X	68 983
3334120344	Industrial and commercial fans and blowers, and attic fans .....	2002.. 54	X	X	354 568
		1997.. 33	X	X	544 001
33341204	Axial fans, except parts .....	2002.. N	X	X	224 011
		1997.. N	X	X	214 650
3334120463	Axial fans directly connected to driver .....	2002.. 28	X	X	164 467
		1997.. 29	X	X	166 335
3334120465	Belt-driven axial fans .....	2002.. 21	X	X	59 544
		1997.. 20	X	X	48 315
33341205	Industrial propeller fans, except parts .....	2002.. N	X	X	58 769
		1997.. N	X	X	110 359
3334120573	Industrial propeller fans directly connected to driver .....	2002.. 18	X	X	33 454
		1997.. 21	X	X	78 275
3334120575	Industrial belt-driven propeller fans .....	2002.. 17	X	X	25 315
		1997.. 16	X	X	32 084
33341206	Penthouses, shutters, guards, and other parts and accessories for industrial centrifugal, axial, and propeller fans and blowers (except power roof ventilators) .....	2002.. N	X	X	55 320
		1997.. N	X	X	93 858
3334120688	Penthouses, shutters, guards, and other parts and accessories for industrial centrifugal, axial, and propeller fans and blowers (except power roof ventilators) .....	2002.. 27	X	X	55 320
		1997.. 25	X	X	93 858
3334120Y	Industrial and commercial fans and blowers, nsk, total .....	2002.. N	X	X	67 130
		1997.. N	X	X	303 273
3334120YWW	Industrial and commercial fans and blowers, nsk, for nonadministrative-record establishments .....	2002.. N	X	X	64 136
		1997.. N	X	X	279 632
3334120YWY	Industrial and commercial fans and blowers, nsk, for administrative-record establishments .....	2002.. N	X	X	2 994
		1997.. N	X	X	23 641

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**

[Not applicable for this report.]

**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)
333412	Industrial and commercial fan and blower manufacturing		
0090001	Total materials .....	X	720 987
	.....2002..	X	808 856
	.....1997..	X	11 235
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....	X	17 918
	.....2002..	X	846
	.....1997..	X	3 408
33291901	Metal pipe, valves, and pipe fittings (excluding forgings) .....	X	
	.....2002..	X	11 476
	.....1997..	X	D
33200051	Other fabricated metal products (excluding fluid power products and forgings) .....	X	47 576
33200099	Fabricated structural metal products (excluding forgings) .....	X	37 446
	.....2002..	X	2 138
	.....1997..	X	D
00190090	Fluid power products .....	X	
33210000	Forgings .....	X	5 490
	.....2002..	X	N
	.....1997..	X	17 067
33151001	Iron and steel castings (rough and semifinished) .....	X	23 939
	.....2002..	X	16 156
	.....1997..	X	19 082
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....	X	
	.....2002..	X	16 341
	.....1997..	X	30 079
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....	X	59 709
33120016	Steel sheet and strip (including tinplate) .....	X	N
	.....2002..	X	7 561
	.....1997..	X	7 409
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	
	.....2002..	X	4 648
	.....1997..	X	5 014
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	
	.....2002..	X	16 470
	.....1997..	X	N
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....	X	103 813
	.....2002..	X	94 586
	.....1997..	X	
33531201	Electric motors and generators .....	X	
	.....2002..	X	14 873
	.....1997..	X	25 216
33299101	Ball and roller bearings (mounted or unmounted) .....	X	10 783
00190011	Flexible packaging materials, paperboard containers and boxes, and corrugated paperboard .....	X	9 440
	.....2002..	X	361 612
	.....1997..	X	370 424
00970099	All other materials and components, parts, containers, and supplies .....	X	13 193
00971000	Materials, ingredients, containers, and supplies, nsk .....	X	156 619
	.....2002..	X	
	.....1997..	X	

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.