

# Fiber Can, Tube, Drum, and Similar Products Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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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)					
322214, Fiber can, tube, drum, and similar products manufacturing .....	2002..	133	261	9 292	322 845	7 590	14 925	237 661	877 460	1 138 671	2 015 151	143 477
	2001..	N	N	11 490	364 000	9 044	18 659	266 242	1 022 725	1 305 966	2 329 160	35 948
	2000..	N	N	11 478	384 703	9 701	21 012	289 907	1 082 908	1 413 035	2 493 514	46 393
	1999..	N	N	11 787	403 757	9 642	21 666	291 886	1 047 798	1 422 026	2 461 983	76 094
	1998..	N	N	11 311	376 801	9 433	19 784	270 390	1 011 667	1 389 465	2 394 271	65 135
	1997..	138	284	11 498	355 517	9 481	19 292	261 515	952 629	1 352 153	2 305 281	70 009

<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	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)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
322214, Fiber can, tube, drum, and similar products manufacturing												
United States .....	-	261	162	9 292	322 845	7 590	14 925	237 661	877 460	1 138 671	2 015 151	43 477
California .....	1	20	13	650	22 095	480	1 056	14 608	56 869	65 373	121 568	1 677
Georgia .....	-	15	11	594	19 879	477	840	14 468	52 622	95 022	147 108	3 368
Indiana .....	-	8	5	255	10 365	208	456	7 613	31 191	36 241	67 542	988
Massachusetts .....	1	8	7	277	9 531	228	486	6 921	23 023	24 900	47 984	507
New Jersey .....	1	10	7	274	9 589	224	459	7 335	33 552	37 363	71 651	500
New York .....	4	8	4	271	10 340	233	465	8 305	27 479	33 803	61 449	815
Ohio .....	-	24	15	859	29 312	720	1 384	22 822	85 854	110 711	196 495	1 236
South Carolina .....	-	10	4	622	19 844	537	955	15 694	41 549	61 641	103 120	1 400
Wisconsin .....	1	14	9	678	26 592	543	1 012	19 929	68 530	81 996	148 994	D

<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>322214, Fiber can, tube, drum, and similar products manufacturing</b>	
Companies <sup>1</sup> .....	number.. 133
All establishments <sup>2</sup> .....	number.. 261
Establishments with 1 to 19 employees .....	number.. 99
Establishments with 20 to 99 employees .....	number.. 149
Establishments with 100 employees or more .....	number.. 13
All employees <sup>3</sup> .....	number.. 9 292
Total compensation .....	\$1,000.. 415 762
Annual payroll .....	\$1,000.. 322 845
Total fringe benefits .....	\$1,000.. 92 917
Production workers, average for year .....	number.. 7 590
Production workers on March 12 .....	number.. 7 432
Production workers on May 12 .....	number.. 7 620
Production workers on August 12 .....	number.. 7 673
Production workers on November 12 .....	number.. 7 569
Production worker hours .....	1,000.. 14 925
Production worker wages .....	\$1,000.. 237 661
Total cost of materials .....	\$1,000.. 1 138 671
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 1 008 224
Resales .....	\$1,000.. 105 479
Purchased fuels .....	\$1,000.. 7 217
Purchased electricity .....	\$1,000.. 15 310
Contract work .....	\$1,000.. 2 441
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 260 728
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 2 946
Total value of shipments .....	\$1,000.. 2 015 151
Primary products value of shipments .....	\$1,000.. 1 811 403
Secondary products value of shipments .....	\$1,000.. 68 482
Total miscellaneous receipts .....	\$1,000.. 135 266
Value of resales .....	\$1,000.. 133 151
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.. 1 860 277
Value of primary products shipments made in this industry .....	\$1,000.. 1 811 403
Value of primary products shipments made in other industries .....	\$1,000.. 48 874
Coverage ratio .....	percent.. 97
Value added .....	\$1,000.. 877 460
Total inventories, beginning of year .....	\$1,000.. 143 321
Finished goods inventories .....	\$1,000.. 39 089
Work-in-process inventories .....	\$1,000.. 7 280
Materials and supplies inventories .....	\$1,000.. 96 952
Total inventories, end of year .....	\$1,000.. 141 740
Finished goods inventories .....	\$1,000.. 37 112
Work-in-process inventories .....	\$1,000.. 10 237
Materials and supplies inventories .....	\$1,000.. 94 391
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 723 117
Total capital expenditures (new and used) .....	\$1,000.. 43 477
Buildings and other structures (new and used) .....	\$1,000.. 1 873
Machinery and equipment (new and used) .....	\$1,000.. 41 604
Automobiles, trucks, etc., for highway use .....	\$1,000.. 1 278
Computers and peripheral data processing equipment .....	\$1,000.. 973
All other expenditures for machinery and equipment .....	\$1,000.. 39 353
Total retirements .....	\$1,000.. 21 249
Gross value of depreciable assets at end of year .....	\$1,000.. 745 345
Depreciation charges during year .....	\$1,000.. 45 602
Total rental payments .....	\$1,000.. 26 730
Buildings and other structures .....	\$1,000.. 16 361
Machinery and equipment .....	\$1,000.. 10 369
Total other expenses <sup>4</sup> .....	\$1,000.. 181 773
Response coverage ratio <sup>5</sup> .....	percent.. 93
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 20 742
Communications services <sup>4</sup> .....	\$1,000.. 4 111
Legal services <sup>4</sup> .....	\$1,000.. 1 390
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 1 074
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 589
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 1 271
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 2 034
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 4 790
Taxes and license fees <sup>4</sup> .....	\$1,000.. 5 245
All other expenses <sup>4</sup> .....	\$1,000.. 140 528

<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)				
322214, Fiber can, tube, drum, and similar products manufacturing											
All establishments .....	—	261	9 292	322 845	7 590	14 925	237 661	877 460	1 138 671	2 015 151	'43 477
Establishments with—											
1 to 4 employees .....	9	30	72	2 489	63	121	1 966	6 130	8 716	14 848	'315
5 to 9 employees .....	6	25	182	6 706	148	306	5 025	18 197	24 763	42 907	'744
10 to 19 employees .....	4	44	607	21 757	480	953	14 354	54 020	74 038	127 972	'4 078
20 to 49 employees .....	—	104	3 322	113 702	2 643	5 352	79 763	313 626	405 599	719 883	'9 467
50 to 99 employees .....	—	45	h	D	D	D	D	D	D	D	D
100 to 249 employees .....	—	12	1 760	58 518	1 461	2 737	46 357	146 962	197 840	342 721	'19 372
250 to 499 employees .....	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	50	258	9 419	227	458	7 606	23 436	34 037	57 473	'1 227

<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)				
322214	Fiber can, tube, drum, and similar products manufacturing .....	261	9 292	322 845	7 590	14 925	237 661	877 460	1 138 671	2 015 151	'43 477
3222141	Paperboard fiber drums with ends of any material .....	29	1 477	45 889	1 212	2 363	35 408	141 197	116 372	258 127	'7 418
3222143	Fiber cans, tubes, and similar fiber products .....	155	7 030	248 806	5 716	11 237	181 175	666 804	933 724	1 599 049	'33 212

<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)
322214	Fiber can, tube, drum, and similar products manufacturing	2002.. N 1997.. N	X X	X X	1 860 277 2 144 548
3222141	Paperboard fiber drums with ends of any material	2002.. N 1997.. N	X X	X X	269 838 374 327
32221411	Paperboard fiber drums with ends of any material	2002.. N 1997.. N	X X	X X	269 838 374 327
3222141100	Paperboard fiber drums with ends of any material	2002.. 16 1997.. 14	X X	X X	269 838 374 327
3222143	Fiber cans, tubes, and similar fiber products	2002.. N 1997.. N	X X	X X	1 529 199 1 657 352
32221431	Fiber cans, all fiber and composite	2002.. N 1997.. N	X X	X X	D 512 859
3222143111	Fiber cans, all fiber and composite	2002.. 16 1997.. 16	X X	X X	D 512 859
32221432	Fiber cores and tubes	2002.. N 1997.. N	X X	X X	D 1 021 670
3222143221	Fiber cores and tubes	2002.. 47 1997.. 54	X X	D 91 212.6	D 1 021 670
32221433	Paperboard cones, reels, spools, bobbins, blocks, and all vulcanized fiber products	2002.. N 1997.. N	X X	X X	53 913 87 706
3222143301	Paperboard cones, reels, spools, bobbins, blocks, and all vulcanized fiber products	2002.. 10 1997.. N	X X	X X	53 913 N
3222143Y	Fiber cans, tubes, and similar fiber products, nsk	2002.. N 1997.. N	X X	X X	29 159 35 117
3222143YV	Fiber cans, tubes, and similar fiber products, nsk	2002.. N 1997.. N	X X	X X	29 159 35 117
322214W	Fiber can, tube, drum, and similar products manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	61 240 112 869
322214WY	Fiber can, tube, drum, and similar products manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	61 240 112 869
322214WYV	Fiber can, tube, drum, and similar products manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	10 755 18 737
322214WYVY	Fiber can, tube, drum, and similar products manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	50 485 94 132

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)
3222141	Paperboard fiber drums with ends of any material	
	United States..... 2002..	269 838
	..... 1997..	374 327
3222143	Fiber cans, tubes, and similar fiber products	
	United States..... 2002..	1 529 199
	..... 1997..	1 657 352
	California..... 2002..	65 844
	..... 1997..	69 892
	Georgia..... 2002..	128 415
	..... 1997..	112 632
	Massachusetts..... 2002..	47 232
	..... 1997..	58 369
	Ohio..... 2002..	150 430
..... 1997..	151 674	
South Carolina..... 2002..	92 538	
..... 1997..	N	
Wisconsin..... 2002..	113 722	
..... 1997..	120 046	

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)
322214	Fiber can, tube, drum, and similar products manufacturing		
00900001	Total materials .....	X	1 008 224
	.....2002..	X	1 224 660
	.....1997..		
32210005	Paper and paperboard (excluding boxes and containers) .....	q1 246.9	591 265
	.....1,000 s tons .....	p1 590.7	683 671
	.....2002..	X	27 766
	.....1997..	X	21 771
33120016	Steel sheet and strip (including tinplate) .....	X	23 110
	.....2002..	X	N
	.....1997..	X	D
33131503	Aluminum sheet, plate, and foil .....	X	6 508
	.....2002..	X	D
	.....1997..	X	81 783
32410009	Petroleum wax .....	D	D
	..... mil lb .....	S	280
	.....2002..	X	38 414
	.....1997..	X	N
32591003	Printing inks .....	S	3 334
	..... mil lb .....	S	1 119
	.....2002..		
	.....1997..		
00970099	All other materials and components, parts, containers, and supplies .....	X	130 670
	.....2002..	X	327 834
	.....1997..	X	66 335
00971000	Materials, ingredients, containers, and supplies, nsk .....	X	101 694
	.....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.