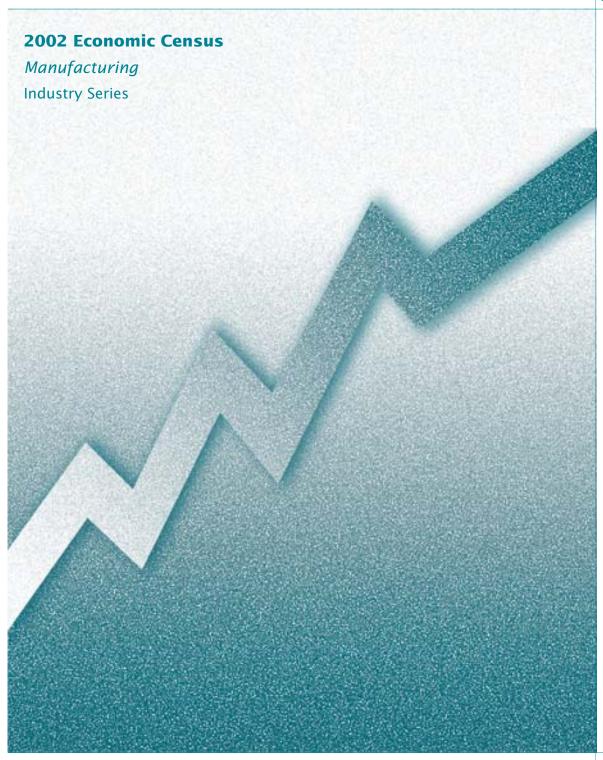
Other Commercial and Service Industry Machinery Manufacturing: 2002

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



CONTENTS

	duction to the Economic Census	v ix
Table	es	
1. 2. 3. 4. 5. 6a. 6b. 7.	Historical Statistics for the Industry: 2002 and Earlier Years Industry Statistics for Selected States: 2002 Detailed Statistics by Industry: 2002 Industry Statistics by Employment Size: 2002 Industry Statistics by Primary Product Class Specialization: 2002 Products Statistics: 2002 and 1997 Product Class Shipments for Selected States: 2002 and 1997 Materials Consumed by Kind: 2002 and 1997	1 2 3 4 5 6 9
Appe	endixes	
A. B. C. D. E. F.	Explanation of Terms NAICS Codes, Titles, and Descriptions Methodology Geographic Notes Metropolitan and Micropolitan Statistical Areas Comparability of Product Classes and Product Codes: 2002 to 1997	A-1 B-1 C-1 F-1

-- 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]

		All	All employees		Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	shipments	expendi- tures (\$1,000)
333319, Other commercial and service											
industry machinery manufacturing2002	1 256	1 368	52 580	2 141 413	30 357	59 468	921 145	6 322 765	5 216 568	11 492 300	r243 203
2001 2000	N N	N N	57 114 58 854	2 164 940 2 175 391	31 795 33 812	62 572 66 341	870 224 907 821	5 498 254 6 127 540	5 366 081 5 017 820	10 907 174 11 150 893	252 510 276 967
1999	N	N	59 588	2 148 826	34 181	68 440	882 152	5 331 660	4 850 315	10 196 547	269 990
1998	N	N	58 906	2 029 504	34 248	66 947	894 601	5 213 274	4 698 659	9 855 357	269 102
1997	1 274	1 353	57 868	2 006 343	33 235	65 274	858 191	5 074 927	4 375 064	9 483 274	249 132

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]

												-
		All establ	ishments ²	All em	ployees	Pro	oduction work	ers				
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
333319, Other commercial and service industry machinery manufacturing												
United States. Alabama Arizona Arkansas California Colorado Florida Georgia Illinois Indiana Kansas	2 -5 -2 1 -3 2 5 1	1 368 11 29 13 195 26 78 27 99 21	483 8 6 7 57 10 16 9 48 6	52 580 751 879 749 5 292 1 267 3 624 1 038 5 228 1 182 535	2 141 413 32 007 23 348 25 150 205 118 51 644 212 458 41 314 218 570 42 025 17 133	30 357 440 482 398 3 396 740 1 051 660 2 961 822 360	59 468 905 782 800 6 414 1 297 2 203 1 271 5 958 1 772 622	921 145 13 668 8 003 10 725 96 245 25 722 38 316 21 192 100 754 24 238 8 823	6 322 765 70 817 55 941 103 489 592 949 165 349 681 661 103 142 524 982 107 618 39 874	5 216 568 54 210 49 211 231 283 521 643 113 383 581 305 78 390 493 437 98 210 43 810	11 492 300 125 124 104 990 335 503 1 109 134 270 976 1 257 408 179 103 1 009 273 203 082 93 556	r243 203 r2 361 r2 381 r2 359 r19 108 r7 294 r23 529 r3 737 r36 266 r3 978 r2 797
Kentucky Massachusetts Michigan Minnesota Mississippi Nevada New Jersey New York North Carolina Ohio	1 5 2 1 - 4 3 - 2	14 32 555 47 8 13 32 52 34 81	9 15 19 18 6 2 10 24 10 27	622 880 2 079 2 619 841 303 601 1 601 1 317 3 060	20 139 35 632 80 947 116 119 28 067 10 776 22 642 68 671 50 595 120 068	409 487 1 314 1 564 625 268 377 878 842 1 839	871 1 012 2 404 3 057 1 142 601 784 1 671 1 322 3 862	10 401 15 638 36 792 51 623 15 408 8 559 10 459 25 595 26 034 54 740	65 599 91 187 231 929 512 758 113 445 44 764 64 888 156 502 120 065 348 128	50 917 74 181 225 898 317 937 96 901 32 397 73 820 110 993 149 965 259 779	115 470 164 827 451 124 831 632 206 989 77 494 140 468 263 445 269 148 605 295	r2 577 r3 607 r10 334 r20 588 r8 957 r821 r2 676 r4 236 r5 046 r15 482
Oklahoma Oregon Pennsylvania South Dakota Tennessee Texas Utah Vermont Virginia Washington Wisconsin	- 2 - 6 1 1 - 6 2 1	18 16 56 6 21 81 17 6 19 21	5 3 17 2 9 27 6 3 5 9 25	889 333 1 439 120 1 008 2 179 883 474 1 065 846 2 525	38 677 13 963 63 041 3 995 34 377 86 430 43 338 22 378 27 256 37 993 95 058	408 193 854 61 689 1 245 388 241 759 473 1 440	861 427 1 656 135 1 397 2 432 788 550 1 577 987 2 996	13 553 5 189 29 128 1 613 19 249 34 808 14 692 8 659 15 070 18 917 44 810	93 580 24 195 180 849 7 917 169 184 230 184 113 889 60 124 42 692 89 058 298 219	93 464 19 742 171 099 10 004 145 603 196 948 74 445 29 027 27 120 65 950 220 404	187 297 44 258 353 551 18 619 316 171 430 451 184 315 90 293 69 270 154 559 519 852	r1 155 r1 173 r4 929 r742 r6 754 r7 047 r3 184 r774 r1 563 r2 533 r8 481

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.

¹Includes 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.

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
333319, Other commercial and service industry machinery manufacturing	
Companies ¹ number	1 256
All establishments ² number. Establishments with 1 to 19 employeesnumber. Establishments with 20 to 99 employeesnumber. Establishments with 100 employees or morenumber.	1 368 885 347 136
All employees³ number. Total compensation \$1,000. Annual payroll \$1,000. Total fringe benefits \$1,000.	52 580 2 685 453 2 141 413 544 040
Production workers, average for year	30 357 30 578 30 764 30 440 29 523
Production worker hours	59 468 921 145
Total cost of materials \$1,000. Materials, parts, containers, packaging, etc., used \$1,000. Resales \$1,000. Purchased fuels \$1,000. Purchased electricity \$1,000. Contract work \$1,000.	5 216 568 4 409 156 643 525 13 642 44 099 106 146
Quantity of electricity purchased for heat and power	592 395 —
Total value of shipments \$1,000 Primary products value of shipments \$1,000 Secondary products value of shipments \$1,000 Total miscellaneous receipts \$1,000 Value of resales \$1,000 Contract receipts \$1,000 Other miscellaneous receipts \$1,000	11 492 300 9 344 237 1 120 538 1 027 525 905 088 D D
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000.	89 10 425 170 9 344 237 1 080 933
Coverage ratiopercent	90
Value added	6 322 765
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	1 625 380 473 029 304 574 849 151
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	1 715 922 473 616 351 020 892 660
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000. Total capital expenditures (new and used) \$1,000. Buildings and other structures (new and used) \$1,000. Machinery and equipment (new and used) \$1,000. Automobiles, trucks, etc., for highway use \$1,000. Computers and peripheral data processing equipment \$1,000. All other expenditures for machinery and equipment \$1,000. Total retirements \$1,000. Gross value of depreciable assets at end of year \$1,000.	'3 030 017 '243 203 '32 708 '210 495 '11 506 '39 407 '159 582 '201 771 '3 071 449
Depreciation charges during year\$1,000	^r 215 276
Total rental payments . \$1,000 . Buildings and other structures . \$1,000 . Machinery and equipment . \$1,000 .	133 115 85 288 47 827
Total other expenses ⁴ . \$1,000. Response coverage ratio ⁵ . percent. Repair and maintenance services of buildings and/or machinery ⁴ . \$1,000. Communications services ⁴ . \$1,000. Legal services ⁴ . \$1,000. Accounting, auditing, and bookkeeping services ⁴ . \$1,000. Advertising and promotional services ⁴ . \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ . \$1,000. Refuse removal (including hazardous waste) services ⁴ . \$1,000. Management consulting and administrative services ⁴ . \$1,000. Taxes and license fees ⁴ . \$1,000. All other expenses ⁴ . \$1,000.	888 565 73 42 389 72 787 32 903 10 930 75 603 26 889 5 754 33 439 21 174 566 697

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		All employees			Pr	oduction worke	ers		Total	l Total	Total capital	
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)	
333319, Other commercial and service industry machinery manufacturing												
All establishments	2	1 368	52 580	2 141 413	30 357	59 468	921 145	6 322 765	5 216 568	11 492 300	r243 203	
1 to 4 employees	9 5 3 1 2 2 1 -	519 186 180 224 123 98 28 9	1 139 1 256 2 516 7 159 8 644 15 205 9 769 i g	44 605 53 386 101 146 273 355 345 587 590 247 394 866 D	723 722 1 491 4 221 4 850 9 745 5 675 D D	1 277 1 414 2 941 8 361 9 708 19 470 10 254 D D	20 833 22 270 44 367 120 167 147 742 298 161 169 800 D	105 188 138 217 266 632 668 883 973 705 1 689 423 1 560 657 D	81 599 116 007 204 304 578 466 835 475 1 575 374 967 394 D D	188 563 257 102 467 387 1 246 227 1 805 290 3 257 903 2 495 737 D D	'4 317 '5 362 '11 549 '33 810 '36 801 '68 797 '51 591 D	
Administrative records ⁴	9	547	1 690	67 935	1 085	2 023	32 033	170 020	130 777	299 800	^r 7 210	

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: 1–11 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.

¹Includes 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.

size classes shown.

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		All	All em	ployees	Pr	oduction work	ers		Total	Total	Total capital
product class code	Industry or primary product class	estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
333319	Other commercial and service industry machinery manufacturing	1 368	52 580	2 141 413	30 357	59 468	921 145	6 322 765	5 216 568	11 492 300	¹ 243 203
3333191 3333193	Commercial cooking and food- warming equipment	103	12 082	463 281	7 727	15 361	230 326	1 511 234	923 142	2 417 730	r42 421
3333195	cleaners, including parts and attachments	48	2 036	71 056	1 373	2 592	37 865	239 105	200 404	448 519	r9 652
3333197	except handtools Electronic teaching machines,	43	2 907	114 240	1 845	3 692	52 475	358 108	322 166	675 179	r11 205
333319A	teaching aids, trainers, and simulators, including kits. Miscellaneous machinery products (including flexible metal hose and	31	5 056	284 708	1 691	3 359	67 931	814 925	672 591	1 481 919	r27 841
	tubing, metal bellows, etc.), except electrical	405	26 519	1 047 830	15 285	29 798	460 572	3 026 069	2 809 993	5 804 520	r135 506

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.

Products Statistics: 2002 and 1997 Table 6a.

[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]

Dundunt		Number of companies with		Product s	shipments
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
333319	Other commercial and service industry machinery manufacturing	N N	X X	X	10 425 170 8 888 524
3333191	Commercial cooking and food-warming equipment	N N	X	X	2 115 097 1 811 807
33331911	Commercial cooking equipment, including ranges, deep-fat fryers, griddles, toasters, coffee urns, pressure cookers (steam), etc., except electric	N	x		1 011 488
3333191111	1997 Commercial ranges, ovens, and broilers (except electric)	N 32	X	X X X X X	712 835 523 339
3333191116	Commercial deep-fat fryers (except electric)	34 15	××	XX	426 176 199 891
3333191121	Other commercial cooking equipment (griddles, toasters,	18	×	×	184 725
	coffee urns, pressure cookers (steam), etc.), except electric	23 17	×	X	219 898 86 137
3333191131	Commercial food-warming equipment, including steam tables (except electric)	15	x	×	68 360
33331912	Commercial electric cooking equipment, including ranges, deep-fat fryers, griddles, toasters, coffe makers, coffee urns,	8	X	X	15 797
	etc	N N	X	×	900 361 919 119
3333191241	Commercial electric ranges, ovens, and broilers	20 28	\$	\$	204 345 185 090
3333191251	Commercial microwave stoves and ovens	6 2	X X X	ŷ	38 698
3333191261	Commercial electric deep-fat fryers	16 24	x x	X X X X X X	1 356 116 552 91 320
3333191271	Other commercial electric cooking equipment, including griddles, toasters, coffee makers, coffee urns, etc	34	x		327 866
3333191281	Commercial electric food-warming equipment, including	37	X	X	439 662
00001010	hot-food server units and steam tables	26 25	XX	XX	212 900 201 691
33331913	Parts and accessories for commercial cooking and food- warming equipment	N N	X	X	200 211 162 412
3333191391	Parts and accessories for commercial cooking and food- warming equipment	46 52	x		200 211
3333191Y	Commercial cooking and food-warming equipment, nsk	N	X X X	XX	162 412 3 037
3333191YWV	1997 Commercial cooking and food-warming equipment, nsk	N N N	X X X	X X X X X	17 441 3 037 17 441
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	N N	x		470 122
33331931	Commercial and industrial central and portable vacuum	N	X	X X	595 165
3333193101	cleaner systems, including parts and attachments	N N 36	X X X	X X X X	332 457 276 497 264 621
3333193111	Parts and attachments for commercial and industrial	30	x	x	201 723
	portable vacuum claeners	18 20	X	X	67 836 74 774
33331932	Commercial and industrial central vacuum cleaner systems, including parts and attachments	N N	×	X	137 665 318 325
3333193221	Commercial and industrial central vacuum cleaner systems, including parts and attachments	38	x	×	137 665
3333193Y	Commercial and industrial vacuum cleaners, including parts and attachments, nsk	15 N	X X	x x	318 325
3333193YWV	Commercial and industrial vacuum cleaners, including parts	N	X	×	343
	and attachments, nsk	N N	X	X	343
3333195	Automotive maintenance equipment, except handtools	N N	X	X	632 440 630 972
33331951	Automotive maintenance equipment, except handtools	N N	×	X X X X	506 306 544 957
3333195101	Automotive frame and body alignment equipment, except handtools	9	x		64 783
3333195106	Automotive wheel alignment equipment, except handtools	6 12	X	X X X X X	82 121 134 567
3333195111	Automotive wheel balancing equipment, except handtools	9 5	X	X	145 760 71 135 30 804
3333195116	Automotive tire and wheel mounting equipment, except handtools	5	X X		61 460
3333195121	Automotive brake service equipment, except handtools	5 8	X X	X X X	41 408 30 819
3333195126	All other automotive maintenance equipment, except handtools	8 25	x x	×	34 767
33331952	Parts and attachments for automotive maintenance	29	x	X X	143 542 210 097
2222105224	equipment, except handtools (sold separately)	N N	X	X	126 134 81 424
3333195231	Parts and attachments for automotive maintenance equipment, except handtools (sold separately)	15	x	ŝ	126 134
3333195Y	Automotive maintenance equipment, except handtools, nsk	13 N	X	X X X X	81 424 - 4 501
3333195YWV	Automotive maintenance equipment, except handtools,	N N	X		4 591
	nsk	N N	X	XX	4 591

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[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]

Broduct		Number of companies with		Product shi	pments
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000
333319	Other commercial and service industry machinery manufacturing				
3333197	Con. Electronic teaching machines, teaching aids, trainers, and simulators, including kits	Ŋ	×	X X	1 272 044
33331971	Electronic teaching machines, teaching aids, trainers, and simulators, including kits	N N	X X	х	779 213 1 272 044
3333197100	Electronic teaching machines, teaching aids, trainers, and simulators, including kits ¹	N 41	x x	x x	779 213 1 272 044
333319A	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), except electrical	49 N	×	×	779 213 5 419 904
333319A1	Other service industry equipment	N N N	x X	XXX	4 208 956
333319A101	Instantaneous service industry water heaters, including	Ň	x	X	4 200 330 N
	parts	12 N	XX	X	55 258 N
333319A106	All others service industry water heaters (including parts), more than 120 gallons (454.2 liters) capacity	6 N	×	X	53 59 ₄
333319A111	Industrial water softeners	31	X	x x x x x x x x x x x x	247 275
333319A116	Farm, household, and commercial water softeners	N 22 N	X	ŝ	354 246
333319A146	Conveyor-type commercial dishwashing machines	N 6 N	X X X	X	68 159
333319A151	All other commercial dishwashing machines	N 11	X	X	101 326
333319A161	Sewage treatment equipment, distilling or rectifying	N 8	X X X	X	15 240
333319A166	Sewage treatment equipment, filtering or purifying	8 N 47	X	X	479 377
	1997	N	X X X	ŝ	N
333319A171	Sewage treatment equipment, centrifuges	4 N	X	×	26 600 N
333319A174 333319A178	Other sewage treatment equipment	64 N	X	X	432 218 N
00001071110	equipment	30 N	×	X	279 909 N
333319A182	Service industry trash and garbage compactors	24 N	XX	X X X X	171 730 N
333319A186	Sewer pipe and drain cleaning equipment	13 N	X	X	120 697 N
333319A189	High-pressure (more than 1,000 p.s.i.) cleaning and blasting machinery and equipment (except foundry)	45 N	X X	X	761 35 ⁻
333319A191	Barber and beauty shop furniture and equipment, excluding barber and beauty chairs	13	x		60 572
333319A194	Electric hand-drying apparatus	N 5 N	X X X	X X X X	22 982
333319A196	Other service industry equipment	99 N	x x	ŷ	958 422 N
333319A2	All other parts and attachments for service industry equipment	N	x	x	400 884
333319A221	Parts for water softeners (excluding tanks)	N 18	X	X X X	36 023
333319A236	Parts and attachments for commercial and industrial floor and carpet cleaning equipment	N 19	X X		191 700
333319A256	Parts for commercial dishwashing machines	N 8	X	X X X	36 385
333319A299	Parts for other service industry machines	N 53	X	X X X	136 776
333319A3	Commercial and industrial floor and carpet cleaning machines, including waxing and polishing machines, except	N	X		704 404
333319A301	vacuum cleaners	N N	X	X	791 100 N
333319A301	merry-go-rounds, etc.), excluding electric equipment, and coin-operated amusement machines	14	×	X X	51 610
333319A326	Commercial and industrial floor sanding and scrubbing machines	N 9	X X	x	341 297
333319A331	Commercial and industrial carpet cleaning equipment, including sweepers (except vacuum cleaners)	N 23	x x	x x	304 192
333319A341	Other commercial and industrial floor and carpet cleaning machines, including waxing and polishing machines, except vacuum cleaners	N 16	X X	X	94 00 ⁻
333319AY	Miscellaneous machinery products (including flexible metal	N	x	X	N
333319AYWV	hose and tubing, metal bellows, etc.), except electrical, nsk	N N	X	X	18 96 <u>4</u> N
	hose and tubing, metal bellows, etc.), except electrical, nsk	N N	××	×	18 96 <u>4</u> N
333319W	Other commercial and service industry machinery manufacturing, nsk, total	N	x	x	515 563
333319WY	Other commercial and service industry machinery	N	X	×	463 967
	manufacturing, nsk, total	N N	X	X	515 563 463 967

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[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]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
333319	Other commercial and service industry machinery manufacturing —Con.					
333319W	Other commercial and service industry machinery manufacturing, nsk, total—Con.					
333319WY	Other commercial and service industry machinery manufacturing, nsk, total—Con.					
333319WYWW	Other commercial and service industry machinery manufacturing, nsk, for nonadministrative-record					
	establlishments	N N	X	X	285 314 246 923	
333319WYWY	Other commercial and service industry machinery manufacturing, nsk, for administrative-record			^	2.0 020	
	estabilishments	N N	X X	X X	230 249 217 044	

¹For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.

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)
3333191	Commercial cooking and food-warming equipment	
	United States	2 115 097 1 811 807
	1997 California	246 471
	1997. Illinois	230 978 252 969
	1997. Massachusetts	329 635 31 902
	1997. New York	22 289 42 939
	1997 Ohio	56 852 245 075
	1997 Tennessee	182 372 104 138
	1997 Texas	N
	1997 . Washington	53 510 33 560 55 200 54 220
	1997	54 229 120 450
	Wisconsin	133 459 95 050
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	
	United States	470 122 595 165
	California	64 679 N
	Florida	25 640 N
	Illinois	21 271 22 778
	Massachusetts 1997	N 11 278
	1997. Michigan. 2002	N 96 439
	1997. Minnesota 2002	90 433 N 45 538
	1997	N
	New York	34 496 18 761
	Ohio	38 254 35 734
3333195	Automotive maintenance equipment, except handtools	
	United States	632 440 630 972
	California	3 598 N
	Colorado	12 782 N
	Illinois	22 703 N
	Michigan	57 849 N
	Ohio	34 831 N
	Pennsylvania	15 720
	1997. Texas	N 29 866 N
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits	
	United States	1 272 044 779 213
	Florida	413 636
	1997. Massachusetts	165 539 11 281
	1997. New York	4 191 51 315
	Texas	99 045 15 747
333319A	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), except electrical	N
333313A	United States	5 419 904
	1997 Alabama	N 90 359
	1997 Arizona	N 64 755
	1997 Arkansas	N 250 861
	1997. California	580 898
	2002 1997. Colorado 2002	184 372
	1997 1997	N N
	Florida	159 889 N
	Georgia	88 710 N
	Illinois	571 365
	1997 Indiana	119 869
	1997. Kansas	54 645
	1997	N

See footnotes at end of table.

Product Class Shipments for Selected States: 2002 and 1997—Con.

[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)
	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), except electrical—Con.	
	United States—Con. Massachusetts 2002.	92 313
	1997	N N
	Michigan	349 663
	1997 Minnesota	N 574 912
	1997	374 912 N
	New Jersey	99 649
	1997	N 70 CC1
	New York	78 661 N
	North Carolina	136 629
	1997	N
	Ohio	222 225 N
	Oklahoma	5 157
	1997	N
	Oregon	38 539
	Pennsylvania 1997 2002.	228 038
	1997	N
	Texas	232 703
	1997 Utah	90 692
	1997	N
	Washington	67 585
	1997 Wisconsin	N 411 284
	1997	411 204 N

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.

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)
333319	Other commercial and service industry machinery manufacturing		
00900001	Total materials	x	4 409 156
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X X X X	3 747 460 279 634
33291207	Fluid power valves (hydraulic and pneumatic)	X X X	68 315 38 792 53 820
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	×	21 678
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic)	X X X X	19 129 36 557
33399901	Fluid power filters (hydraulic and pneumatic)	X X X	41 397 19 315 25 396
00190089	Other fluid power products, hydraulic and pneumatic	X X	21 008
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X X	9 310 62 794 66 710
33200077	Other fabricated metal products (excluding electrical enclosures, forgings, pipe, valves, pipe fittings, bolts, nuts, screws, rivets, screw machine products, and fluid power products)	×	165 345
	1997.	î x	141 131
33210000	Forgings	X	3 121 N
33151001	Iron and steel castings (rough and semifinished)	X X X X	37 866 67 925
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	X X	35 509 59 385
33120016	Steel sheet and strip (including tinplate)	X	72 746
33120019	Steel structural shapes and sheet piling (excluding castings, forgings, and fabricated metal products)		N 18 645
33120091	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars,	X X	21 510
30120031	bar shapes, plate, sheet, strip, structural shapes, and sheet pilling)	X	34 370 44 419
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal		14 010
22521225	products)	X X X X	14 310 49 118
33531225	Fractional horsepower electric motors and generators (less than 1 hp)	X	39 530 53 271
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	78 071 93 994
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	13 408 27 201
33391103	All other pumps	X X	32 468 60 191
33290001	Metal pipe, valves, and pipe fittings (excluding plumbers' and forgings)	X X X X X	52 314 40 703
33200051	Other fabricated metal products (excluding fluid power products and forgings)	x	66 891
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X X X X	27 449 21 869
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and		22 584
	fabricated metal products)	X	9 851 N
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	×	19 348 N
33100055	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)		4 128
332000A9	Sheet metal products (excluding stampings)	X X X X	N 67 010 N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	×	32 761
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X X X X	80 694 50 235
00190091	1997 Electrical enclosures (metal and plastics)	X	72 343 27 256
	1997	XX	20 011
33593101	Current-carrying wiring devices	X	86 905 38 669
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	ÿ	33 982
00970099	All other materials and components, parts, containers, and supplies.	X	42 998 1 204 312 1 676 754
00971000	Materials, ingredients, containers, and supplies, nsk	X X X X X	1 676 754 1 707 127 823 033

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.

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