

Household Vacuum Cleaner 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 ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
335212, Household vacuum cleaner manufacturing	2002.. 30	37	10 362	354 877	7 864	14 129	215 137	1 466 606	1 481 143	2 910 468	84 726
	2001.. N	N	10 632	369 326	7 903	15 266	219 197	1 242 197	1 416 390	2 672 208	93 711
	2000.. N	N	11 549	391 783	8 587	16 466	250 890	1 411 504	1 612 750	3 029 353	113 717
	1999.. N	N	10 164	343 504	7 337	13 324	199 599	1 288 133	1 192 539	2 443 560	71 824
	1998.. N	N	10 939	370 685	7 758	14 860	209 663	1 238 460	1 521 929	2 730 544	82 299
	1997.. 25	33	10 447	336 652	7 163	13 389	183 745	1 202 682	1 165 783	2 374 554	85 440

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

[Not applicable for this report]

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
335212, Household vacuum cleaner manufacturing	
Companies ¹	number.. 30
All establishments ²	number.. 37
Establishments with 1 to 19 employees	number.. 18
Establishments with 20 to 99 employees	number.. 4
Establishments with 100 employees or more	number.. 15
All employees ³	number.. 10 362
Total compensation	\$1,000.. 502 090
Annual payroll	\$1,000.. 354 877
Total fringe benefits	\$1,000.. 147 213
Production workers, average for year	number.. 7 864
Production workers on March 12	number.. 8 038
Production workers on May 12	number.. 7 951
Production workers on August 12	number.. 7 852
Production workers on November 12	number.. 7 610
Production worker hours	1,000.. 14 129
Production worker wages	\$1,000.. 215 137
Total cost of materials	\$1,000.. 1 481 143
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 061 288
Resales	\$1,000.. 401 155
Purchased fuels	\$1,000.. 2 645
Purchased electricity	\$1,000.. 12 359
Contract work	\$1,000.. 3 696
Quantity of electricity purchased for heat and power	1,000 kWh.. 270 776
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 2 910 468
Primary products value of shipments	\$1,000.. 2 247 801
Secondary products value of shipments	\$1,000.. 74 855
Total miscellaneous receipts	\$1,000.. 587 812
Value of resales	\$1,000.. 587 755
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 2 277 605
Value of primary products shipments made in this industry	\$1,000.. 2 247 801
Value of primary products shipments made in other industries	\$1,000.. 29 804
Coverage ratio	percent.. 99
Value added	\$1,000.. 1 466 606
Total inventories, beginning of year	\$1,000.. 269 754
Finished goods inventories	\$1,000.. 171 825
Work-in-process inventories	\$1,000.. 54 841
Materials and supplies inventories	\$1,000.. 43 088
Total inventories, end of year	\$1,000.. 304 294
Finished goods inventories	\$1,000.. 195 343
Work-in-process inventories	\$1,000.. 68 614
Materials and supplies inventories	\$1,000.. 40 337
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 041 699
Total capital expenditures (new and used)	\$1,000.. 84 726
Buildings and other structures (new and used)	\$1,000.. 9 619
Machinery and equipment (new and used)	\$1,000.. 75 107
Automobiles, trucks, etc., for highway use	\$1,000.. 388
Computers and peripheral data processing equipment	\$1,000.. 5 146
All other expenditures for machinery and equipment	\$1,000.. 69 573
Total retirements	\$1,000.. 26 484
Gross value of depreciable assets at end of year	\$1,000.. 1 099 941
Depreciation charges during year	\$1,000.. 80 223
Total rental payments	\$1,000.. 15 735
Buildings and other structures	\$1,000.. 10 471
Machinery and equipment	\$1,000.. 5 264
Total other expenses ⁴	\$1,000.. 149 626
Response coverage ratio ⁵	percent.. 92
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 10 948
Communications services ⁴	\$1,000.. 2 881
Legal services ⁴	\$1,000.. 3 387
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 091
Advertising and promotional services ⁴	\$1,000.. 65 641
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 883
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 468
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. D
All other expenses ⁴	\$1,000.. 44 729

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

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

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

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

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

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

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

Table 4. Industry Statistics by Employment Size: 2002

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

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
335212, Household vacuum cleaner manufacturing											
All establishments	—	37	10 362	354 877	7 864	14 129	215 137	1 466 606	1 481 143	2 910 468	84 726
Establishments with—											
1 to 4 employees	9	10	18	547	12	19	316	872	1 126	1 979	30
5 to 9 employees	9	3	16	583	12	21	374	1 137	1 867	3 004	48
10 to 19 employees	1	5	72	2 434	40	62	936	6 763	9 018	15 739	969
20 to 49 employees	—	2	b	D	D	D	D	D	D	D	D
50 to 99 employees	6	2	c	D	D	D	D	D	D	D	D
100 to 249 employees	4	4	f	D	D	D	D	D	D	D	D
250 to 499 employees	—	4	1 466	47 871	1 038	1 948	27 308	144 463	181 748	326 671	D
500 to 999 employees	—	5	3 981	122 905	3 192	5 951	72 570	622 281	909 335	1 504 091	55 432
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	1	h	D	D	D	D	D	D	D	D
Administrative records ⁴	9	13	44	1 568	32	57	971	2 862	4 396	7 239	113

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

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

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

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

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

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

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

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
335212	Household vacuum cleaner manufacturing	37	10 362	354 877	7 864	14 129	215 137	1 466 606	1 481 143	2 910 468	84 726
3352121	Household vacuum cleaners, upright-stick type, including parts ..	23	i	D	D	D	D	D	D	D	D
3352122	Floor waxing and floor polishing machines and parts	2	f	D	D	D	D	D	D	D	D

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

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

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

Table 6a. Products Statistics: 2002 and 1997

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

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
335212	Household vacuum cleaner manufacturing	2002.. N 1997.. N	X X	X X	2 277 605 2 313 782
3352121	Household vacuum cleaners, upright-stick type, including parts	2002.. N 1997.. N	X X	X X	D D
33521211	Household vacuum cleaners, upright-stick type, including parts	2002.. N 1997.. N	X X	X X	D D
3352121101	Household vacuum cleaners, complete power units, central system type	2002.. 8 1997.. 9	X X	D X	D 174 927
3352121103	Household vacuum cleaners, hand type	2002.. 2 1997.. 5	X X	X X	D 95 602
3352121105	Household vacuum cleaners, upright-stick type	2002.. 8 1997.. 6	X X	X X	1 246 910 1 030 321
3352121107	Other household vacuum cleaners, general purpose types, including utility and canister tank types	2002.. 5 1997.. 10	X X	X X	193 943 574 188
3352121111	Attachments and cleaning tools for household vacuum cleaners, including central system attachments	2002.. 10 1997.. 8	X X	X X	81 299 111 251
3352121113	Parts for household type vacuum cleaners, including central system parts	2002.. 7 1997.. 11	X X	X X	123 927 D
3352121Y	Household vacuum cleaners, upright-stick type, including parts, nsk	2002.. N 1997.. N	X X	X X	16 699 -
3352121YVW	Household vacuum cleaners, upright-stick type, including parts, nsk	2002.. N 1997.. N	X X	X X	16 699 -
3352122	Floor waxing and floor polishing machines and parts	2002.. N 1997.. N	X X	X X	D D
33521222	Floor waxing and floor polishing machines and parts	2002.. N 1997.. N	X X	X X	D D
3352122211	Parts for floor waxing and floor polishing machines ¹	2002.. 4 1997.. N	X X	X X	D -
3352122219	Floor waxing and floor polishing machines ¹	2002.. 5 1997.. 3	X X	X X	D D
3352122Y	Floor waxing and floor polishing machines and parts, nsk	2002.. N 1997.. N	X X	X X	- -
3352122YVW	Floor waxing and floor polishing machines and parts, nsk	2002.. N 1997.. N	X X	X X	- -
335212W	Household vacuum cleaner manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	8 087 D
335212WY	Household vacuum cleaner manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	8 087 D
335212WYVW	Household vacuum cleaner manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	4 788 D
335212WYVY	Household vacuum cleaner manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	3 299 -

¹For additional detail, see Current Industrial Report MA335F, Major Household Appliances.

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)
335212	Household vacuum cleaner manufacturing		
0090001	Total materials	2002.. X	1 061 288
		1997.. X	1 036 493
332000AC	Metal stampings	2002.. X	14 548
		1997.. X	16 807
33261005	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (excluding forgings)	2002.. X	D
		1997.. X	1 535
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	2002.. X	15 708
		1997.. X	15 284
33200025	All other fabricated metal products (excluding forgings, castings, wire racks, grills, springs, other fabricated nonelectric wire products, bolts, nuts, screws, rivets, and screw machine products)	2002.. X	5 552
		1997.. X	11 501
33210000	Forgings	2002.. X	D
		1997.. X	N
33151001	Iron and steel castings (rough and semifinished)	2002.. X	D
		1997.. X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	2002.. X	D
		1997.. X	D
33152003	Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum-base alloy)	2002.. X	D
		1997.. X	2 340
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	D
33120016	Steel sheet and strip (including tinplate)	2002.. X	D
		1997.. X	N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	19 515
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X	D
		1997.. X	N
33100087	Nonferrous wire and cable (including magnet wire, bare or insulated wire, etc.)	2002.. X	D
		1997.. X	D
33531219	Fractional horsepower electric motors and generators (less than 1 hp), including timing motors	2002.. X	77 955
		1997.. X	53 340
33531221	Integral horsepower electric motors and generators (1 hp or more)	2002.. X	77 517
		1997.. X	54 009
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	2002.. X	50 174
		1997.. X	58 223
001900B1	Electrical transmission, distribution, and control equipment	2002.. X	5 142
		1997.. X	5 025
33593101	Current-carrying wiring devices	2002.. X	D
		1997.. X	20 570
33451200	Automatic temperature controls (thermostats, regulators, etc.)	2002.. X	D
		1997.. X	D
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product	2002.. X	D
		1997.. X	N
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets)	2002.. X	D
		1997.. X	D
32622001	Rubber and plastics hose and belting	2002.. X	57 400
		1997.. X	27 835
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	2002.. X	132 933
		1997.. X	52 274
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	2002.. X	131 969
		1997.. X	117 823
33100095	Complete flexible cord sets	2002.. X	19 409
		1997.. X	31 550
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	2002.. X	18 640
		1997.. X	7 949
00970099	All other materials and components, parts, containers, and supplies	2002.. X	245 986
		1997.. X	375 174
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X	157 458
		1997.. X	82 999

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.