

# Hawaii: 2002

Issued September 2005

EC02-31A-HI (RV)

## 2002 Economic Census

*Manufacturing*

Geographic Area Series



**USCENSUSBUREAU**

*Helping You Make Informed Decisions*

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



## CONTENTS

---

Introduction to the Economic Census .....	v
Manufacturing .....	ix
Tables	
1. Industry Statistics for the State: 2002 .....	1
2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002 .....	4
3. Industry Statistics for Counties: 2002 .....	6
4. Industry Statistics for Places: 2002 .....	7
5. Detailed Statistics for the State: 2002 .....	8
Appendixes	
A. Explanation of Terms .....	A-1
B. NAICS Codes, Titles, and Descriptions .....	B-1
C. Methodology .....	C-1
D. Geographic Notes .....	D-1
E. Metropolitan Areas and Micropolitan Statistical Areas .....	E-1

**Table 1. Industry Statistics for the State: 2002**

[Includes data for industry groups and industries with 100 employees or more. 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]

NAICS code	Geographic area and industry	E1	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>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>HAWAII</b>													
31-33	Manufacturing .....	1	'929	'157	'13 200	'421 269	'8 865	'16 837	'254 713	'1 217 728	'2 246 539	'3 460 199	'82 960
311	Food manufacturing .....	2	259	54	5 224	145 699	3 597	6 693	90 162	478 098	427 972	908 464	26 914
3113	Sugar and confectionery product manufacturing .....	-	20	7	f	D	D	D	D	D	D	D	D
31131	Sugar manufacturing .....	-	1	1	e	D	D	D	D	D	D	D	D
311311	Sugarcane mills .....	-	1	1	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate .....	-	13	6	373	9 362	270	476	5 200	28 057	27 280	57 396	509
311330	Confectionery manufacturing from purchased chocolate .....	-	13	6	373	9 362	270	476	5 200	28 057	27 280	57 396	509
3114	Fruit and vegetable preserving and specialty food manufacturing .....	2	23	3	728	22 045	675	1 161	18 878	55 183	56 334	111 517	D
31142	Fruit and vegetable canning, pickling, and drying .....	1	20	2	f	D	D	D	D	D	D	D	2 481
311421	Fruit and vegetable canning .....	1	17	2	682	20 698	634	1 079	17 790	48 977	52 253	101 230	2 345
3115	Dairy product manufacturing .....	2	9	8	567	21 313	232	485	8 927	85 890	112 043	196 506	D
31151	Dairy product (except frozen) manufacturing .....	2	4	4	416	16 680	192	405	7 708	75 662	99 461	174 978	D
311511	Fluid milk manufacturing .....	-	1	1	c	D	D	D	D	D	D	D	D
311514	Dry, condensed, and evaporated dairy product manufacturing .....	-	2	2	c	D	D	D	D	D	D	D	D
31152	Ice cream and frozen dessert manufacturing .....	3	5	4	151	4 633	40	80	1 219	10 228	12 582	21 528	454
311520	Ice cream and frozen dessert manufacturing .....	3	5	4	151	4 633	40	80	1 219	10 228	12 582	21 528	454
3116	Animal slaughtering and processing .....	6	21	3	320	6 312	241	455	4 023	13 826	27 641	41 381	836
31161	Animal slaughtering and processing .....	6	21	3	320	6 312	241	455	4 023	13 826	27 641	41 381	836
311612	Meat processed from carcasses .....	4	11	2	c	D	D	D	D	D	D	D	306
311615	Poultry processing .....	4	3	1	c	D	D	D	D	D	D	D	D
3117	Seafood product preparation and packaging .....	7	4	2	122	2 623	91	170	1 593	5 645	12 008	17 642	208
31171	Seafood product preparation and packaging .....	7	4	2	122	2 623	91	170	1 593	5 645	12 008	17 642	208
3118	Bakeries and tortilla manufacturing .....	4	110	20	1 573	36 051	1 010	1 688	22 260	91 489	46 958	136 624	5 554
31181	Bread and bakery product manufacturing .....	3	85	18	1 391	29 997	872	1 449	18 141	71 552	33 190	103 386	4 656
311811	Retail bakeries .....	4	61	9	635	9 089	333	471	4 737	19 120	9 872	29 016	463
311812	Commercial bakeries .....	3	24	9	756	20 908	539	978	13 404	52 432	23 318	74 370	4 193
31182	Cookie, cracker, and pasta manufacturing .....	7	24	2	c	D	D	D	D	D	D	D	D
311821	Cookie and cracker manufacturing .....	5	16	1	105	3 170	82	147	2 110	11 886	4 572	16 006	528
3119	Other food manufacturing .....	1	66	11	1 155	33 250	772	1 544	18 260	123 895	98 336	226 005	6 245
31191	Snack food manufacturing .....	-	13	2	459	14 886	344	748	9 054	44 176	40 706	88 647	D
311911	Roasted nuts and peanut butter manufacturing .....	-	4	1	e	D	D	D	D	D	D	D	D
311919	Other snack food manufacturing .....	1	9	1	c	D	D	D	D	D	D	D	D
31199	All other food manufacturing .....	2	36	7	536	11 642	334	617	6 484	33 767	32 688	66 260	D
311991	Perishable prepared food manufacturing .....	2	25	4	419	8 991	258	484	4 820	22 432	22 155	44 448	D
311999	All other miscellaneous food manufacturing .....	3	11	3	117	2 651	76	133	1 664	11 335	10 533	21 812	209
312	Beverage and tobacco product manufacturing .....	1	18	9	603	21 027	191	378	5 180	57 909	103 724	162 057	5 562
3121	Beverage manufacturing .....	1	18	9	603	21 027	191	378	5 180	57 909	103 724	162 057	5 562
31211	Soft drink and ice manufacturing .....	1	11	7	516	19 285	171	338	4 701	53 673	101 438	155 614	5 290
312111	Soft drink manufacturing .....	-	6	5	448	17 049	139	274	3 994	45 649	95 158	141 310	4 691
315	Apparel manufacturing .....	3	86	14	1 109	22 934	908	1 716	13 759	'49 136	32 045	'80 776	D
3152	Cut and sew apparel manufacturing .....	3	82	14	1 103	22 812	902	1 707	13 676	'48 930	31 882	'80 407	D
31521	Cut and sew apparel contractors .....	5	56	7	f	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors .....	3	13	6	368	5 953	320	594	4 586	10 697	1 331	12 092	D
315212	Women's, girls', and infants' cut and sew apparel contractors .....	'7	43	1	e	D	D	D	D	D	D	D	D
31522	Men's and boys' cut and sew apparel manufacturing .....	3	8	3	c	D	D	D	D	D	D	D	D
315223	Men's and boys' cut and sew shirt (except work shirt) manufacturing .....	3	6	3	155	5 132	109	218	1 707	14 493	15 998	30 453	D
31523	Women's and girls' cut and sew apparel manufacturing .....	3	17	3	e	D	D	D	D	D	D	D	D
315233	Women's and girls' cut and sew dress manufacturing .....	1	10	1	153	4 341	105	229	2 056	9 208	5 169	13 854	D

**Table 1. Industry Statistics for the State: 2002—Con.**

[Includes data for industry groups and industries with 100 employees or more. 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]

NAICS code	Geographic area and industry	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>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>HAWAII—Con.</b>													
321	Wood product manufacturing . . . . .	2	31	7	289	9 241	228	444	6 406	21 742	30 082	51 722	769
3212	Veneer, plywood, and engineered wood product manufacturing . . . . .	—	6	4	108	3 684	92	187	2 814	8 250	10 136	18 371	115
32121	Veneer, plywood, and engineered wood product manufacturing . . . . .	—	6	4	108	3 684	92	187	2 814	8 250	10 136	18 371	115
321214	Truss manufacturing . . . . .	—	6	4	108	3 684	92	187	2 814	8 250	10 136	18 371	115
3219	Other wood product manufacturing . . . . .	4	22	2	c	D	D	D	D	D	D	D	D
322	Paper manufacturing . . . . .	—	6	1	c	D	D	D	D	D	D	D	D
3222	Converted paper product manufacturing . . . . .	—	6	1	c	D	D	D	D	D	D	D	D
32221	Paperboard container manufacturing . . . . .	—	4	1	c	D	D	D	D	D	D	D	D
323	Printing and related support activities . . . . .	3	120	19	1 615	49 469	945	1 638	27 938	107 855	60 697	166 901	D
3231	Printing and related support activities . . . . .	3	120	19	1 615	49 469	945	1 638	27 938	107 855	60 697	166 901	D
32311	Printing . . . . .	3	115	18	1 582	48 374	917	1 577	27 027	106 017	60 609	164 975	D
323110	Commercial lithographic printing . . . . .	2	45	9	f	D	D	D	D	D	D	D	D
323113	Commercial screen printing . . . . .	1	32	6	562	13 600	201	340	5 172	36 183	27 042	61 773	755
323114	Quick printing . . . . .	8	24	1	245	7 449	152	272	4 321	15 660	5 630	21 282	D
324	Petroleum and coal products manufacturing . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing . . . . .	—	3	2	e	D	D	D	D	D	D	D	D
32411	Petroleum refineries . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries . . . . .	—	2	2	e	D	D	D	D	D	D	D	D
325	Chemical manufacturing . . . . .	7	20	1	c	D	D	D	D	D	D	D	810
326	Plastics and rubber products manufacturing . . . . .	6	18	4	245	7 424	188	378	4 814	20 236	14 578	34 564	1 281
3261	Plastics product manufacturing . . . . .	6	17	4	c	D	D	D	D	D	D	D	1 281
327	Nonmetallic mineral product manufacturing . . . . .	1	56	16	866	41 452	575	1 236	26 981	108 307	97 795	204 551	10 867
3273	Cement and concrete product manufacturing . . . . .	—	31	16	756	37 929	485	1 064	24 314	99 106	92 111	189 628	10 477
32732	Ready-mix concrete manufacturing . . . . .	—	12	8	448	24 222	255	566	15 410	68 306	59 261	127 920	D
327320	Ready-mix concrete manufacturing . . . . .	—	12	8	448	24 222	255	566	15 410	68 306	59 261	127 920	D
32733	Concrete pipe, brick, and block manufacturing . . . . .	—	6	2	c	D	D	D	D	D	D	D	D
32739	Other concrete product manufacturing . . . . .	4	12	5	178	7 494	139	296	5 168	14 693	10 635	25 129	1 002
327390	Other concrete product manufacturing . . . . .	4	12	5	178	7 494	139	296	5 168	14 693	10 635	25 129	1 002
332	Fabricated metal product manufacturing . . . . .	2	42	8	454	17 075	304	583	10 584	41 599	44 842	85 666	1 350
3323	Architectural and structural metals manufacturing . . . . .	3	18	6	e	D	D	D	D	D	D	D	D
33232	Ornamental and architectural metal products manufacturing . . . . .	4	13	4	c	D	D	D	D	D	D	D	D
332322	Sheet metal work manufacturing . . . . .	5	5	2	101	3 389	51	62	2 320	8 896	9 063	17 935	332
336	Transportation equipment manufacturing . . . . .	6	21	3	e	D	D	D	D	D	D	D	1 177
3366	Ship and boat building . . . . .	6	16	3	e	D	D	D	D	D	D	D	1 103
33661	Ship and boat building . . . . .	6	16	3	e	D	D	D	D	D	D	D	1 103
336611	Ship building and repairing . . . . .	6	10	3	e	D	D	D	D	D	D	D	1 039
337	Furniture and related product manufacturing . . . . .	1	40	7	350	11 122	267	524	7 183	25 900	18 753	44 579	D
3371	Household and institutional furniture and kitchen cabinet manufacturing . . . . .	2	29	5	253	7 531	192	365	4 969	15 258	9 068	24 201	D
33711	Wood kitchen cabinet and countertop manufacturing . . . . .	3	22	3	179	5 564	133	264	3 648	12 193	7 352	19 546	698
337110	Wood kitchen cabinet and countertop manufacturing . . . . .	3	22	3	179	5 564	133	264	3 648	12 193	7 352	19 546	698

**Table 1. Industry Statistics for the State: 2002—Con.**

[Includes data for industry groups and industries with 100 employees or more. 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]

NAICS code	Geographic area and industry	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>4</sup>	Hours (1,000)					Wages (\$1,000)
	<b>HAWAII—Con.</b>												
339	Miscellaneous manufacturing .....	3	'148	'11	'1 089	'30 099	'641	'1 146	'14 898	'49 938	'40 288	'88 765	D
3391	Medical equipment and supplies manufacturing .....	2	44	3	260	7 983	181	340	5 634	14 823	4 301	19 034	499
33911	Medical equipment and supplies manufacturing .....	2	44	3	260	7 983	181	340	5 634	14 823	4 301	19 034	499
339116	Dental laboratories .....	2	38	2	212	6 329	149	285	4 839	10 782	2 461	13 236	325
3399	Other miscellaneous manufacturing .....	3	'104	'8	'829	'22 116	'460	'806	'9 264	'35 115	'35 987	'69 731	D
33991	Jewelry and silverware manufacturing .....	2	35	3	453	11 667	203	345	3 197	13 020	21 029	32 938	566
339911	Jewelry (except costume) manufacturing .....	2	31	2	412	10 535	176	290	2 653	10 061	18 669	27 750	529
33992	Sporting and athletic goods manufacturing .....	2	20	3	134	3 186	86	154	1 865	9 169	6 470	15 417	222
339920	Sporting and athletic goods manufacturing .....	2	20	3	134	3 186	86	154	1 865	9 169	6 470	15 417	222
33995	Sign manufacturing .....	'5	'23	'—	'111	'3 824	'75	'147	'2 009	'7 192	'5 016	'12 187	D
339950	Sign manufacturing .....	'5	'23	'—	'111	'3 824	'75	'147	'2 009	'7 192	'5 016	'12 187	D
33999	All other miscellaneous manufacturing .....	7	24	2	c	D	D	D	D	D	D	D	378

<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 based on administrative-record 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>Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

<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. 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 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**

[Includes data for industry groups and industries with 250 employees or more. 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 definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

NAICS code	Geographic area and industry	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>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>HILO, HI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	2	'114	'14	'1 246	'38 289	'740	'1 466	'20 463	'97 719	'102 186	'204 377	'6 371
311	Food manufacturing .....	2	45	3	642	18 821	431	884	10 398	49 119	54 143	107 187	2 133
3119	Other food manufacturing .....	1	15	1	364	11 806	262	590	6 667	23 491	28 118	55 821	1 197
31191	Snack food manufacturing .....	—	6	1	e	D	D	D	D	D	D	D	D
311911	Roasted nuts and peanut butter manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
<b>HONOLULU, HI METROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	683	132	10 253	326 845	6 855	12 920	195 266	'948 546	2 017 417	'2 959 134	59 572
311	Food manufacturing .....	2	169	46	3 349	88 624	2 185	3 926	51 078	306 641	279 042	585 618	13 778
3113	Sugar and confectionery product manufacturing .....	1	15	5	e	D	D	D	D	D	D	D	D
31133	Confectionery manufacturing from purchased chocolate .....	—	10	5	e	D	D	D	D	D	D	D	D
311330	Confectionery manufacturing from purchased chocolate .....	—	10	5	e	D	D	D	D	D	D	D	D
3115	Dairy product manufacturing .....	2	6	5	e	D	D	D	D	D	D	D	D
31151	Dairy product (except frozen) manufacturing .....	2	3	3	e	D	D	D	D	D	D	D	D
3118	Bakeries and tortilla manufacturing .....	4	76	19	1 327	31 259	850	1 414	19 155	77 796	40 223	116 489	5 224
31181	Bread and bakery product manufacturing .....	3	61	17	1 188	26 389	753	1 249	16 074	63 380	29 367	91 357	4 457
311811	Retail bakeries .....	3	44	9	503	7 170	263	382	3 809	15 115	7 645	22 760	333
311812	Commercial bakeries .....	3	17	8	685	19 219	490	867	12 265	48 265	21 722	68 597	4 124
3119	Other food manufacturing .....	1	38	10	748	20 239	475	885	10 795	96 140	66 761	162 470	4 902
31199	All other food manufacturing .....	2	23	7	473	9 925	282	513	5 331	30 043	28 309	58 164	D
311991	Perishable prepared food manufacturing .....	1	14	4	e	D	D	D	D	D	D	D	919
312	Beverage and tobacco product manufacturing .....	1	9	7	503	18 808	167	330	4 586	51 861	99 599	151 963	5 137
3121	Beverage manufacturing .....	1	9	7	503	18 808	167	330	4 586	51 861	99 599	151 963	5 137
31211	Soft drink and ice manufacturing .....	1	8	7	f	D	D	D	D	D	D	D	D
312111	Soft drink manufacturing .....	—	5	5	e	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	3	78	14	1 094	22 711	894	1 693	13 578	'48 803	31 937	'80 335	1 959
3152	Cut and sew apparel manufacturing .....	3	75	14	g	D	D	D	D	D	D	D	1 957
31521	Cut and sew apparel contractors .....	5	49	7	f	D	D	D	D	D	D	D	D
315211	Men's and boys' cut and sew apparel contractors .....	3	11	6	e	D	D	D	D	D	D	D	267
315212	Women's, girls', and infants' cut and sew apparel contractors .....	'7	38	1	261	4 047	240	426	3 317	'5 842	1 118	'6 967	D
31523	Women's and girls' cut and sew apparel manufacturing .....	3	17	3	276	7 108	199	417	3 684	17 154	12 287	29 011	332
323	Printing and related support activities .....	3	92	16	1 419	43 812	837	1 458	25 099	96 372	54 678	149 208	3 073
3231	Printing and related support activities .....	3	92	16	1 419	43 812	837	1 458	25 099	96 372	54 678	149 208	3 073
32311	Printing .....	3	87	15	1 386	42 717	809	1 397	24 188	94 534	54 590	147 282	D
323110	Commercial lithographic printing .....	2	34	9	609	21 407	452	761	13 940	42 452	21 445	63 790	1 833
323113	Commercial screen printing .....	—	23	3	465	11 135	157	271	4 286	31 015	24 340	53 630	522
324	Petroleum and coal products manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
3241	Petroleum and coal products manufacturing .....	—	2	2	e	D	D	D	D	D	D	D	D
32411	Petroleum refineries .....	—	2	2	e	D	D	D	D	D	D	D	D
324110	Petroleum refineries .....	—	2	2	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product manufacturing .....	1	34	9	494	24 523	395	845	18 634	61 992	60 572	120 775	2 786
3273	Cement and concrete product manufacturing .....	1	18	9	414	21 876	330	722	16 633	55 430	56 059	109 677	2 500
332	Fabricated metal product manufacturing .....	1	32	6	366	14 448	262	489	8 686	32 439	36 511	68 151	1 070

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. 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 definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS code	Geographic area and industry	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>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>HONOLULU, HI METROPOLITAN STATISTICAL AREA—Con.</b>													
336	Transportation equipment manufacturing .....	6	18	3	e	D	D	D	D	D	D	1 148	
3366	Ship and boat building .....	6	14	3	e	D	D	D	D	D	D	D	
33661	Ship and boat building .....	6	14	3	e	D	D	D	D	D	D	D	
336611	Ship building and repairing ..	6	10	3	402	15 222	342	666	11 375	32 298	23 092	55 390	1 039
337	Furniture and related product manufacturing .....	1	30	6	292	9 656	219	442	6 160	22 639	16 256	38 821	1 284
339	Miscellaneous manufacturing .....	3	119	11	1 021	28 273	599	1 069	13 874	45 533	36 415	80 548	1 580
3399	Other miscellaneous manufacturing .....	3	83	8	775	20 687	428	746	8 490	31 370	32 314	62 373	1 108
33991	Jewelry and silverware manufacturing .....	2	29	3	427	10 940	188	314	2 791	10 903	18 249	28 097	529
339911	Jewelry (except costume) manufacturing .....	2	26	2	e	D	D	D	D	D	D	D	D
<b>KAHULUI-WAILUKU, HI MICROPOLITAN STATISTICAL AREA</b>													
31-33	Manufacturing .....	1	93	8	1 491	50 232	1 141	2 204	35 640	157 060	113 889	270 556	16 574
311	Food manufacturing .....	—	34	4	1 159	36 512	932	1 791	27 631	116 228	87 711	204 002	10 872
3113	Sugar and confectionery product manufacturing .....	—	3	1	e	D	D	D	D	D	D	D	D
31131	Sugar manufacturing .....	—	1	1	e	D	D	D	D	D	D	D	D
311311	Sugarcane mills .....	—	1	1	e	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	3	1	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	—	3	1	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning ..	—	3	1	f	D	D	D	D	D	D	D	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 based on administrative-record 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>Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: e—250 to 499 employees; f—500 to 999 employees; g—1,000 to 2,499 employees; h—2,500 to 4,999 employees; i—5,000 to 9,999 employees; j—10,000 to 24,999 employees; k—25,000 to 49,999 employees; l—50,000 to 99,999 employees; m—100,000 employees or more.

<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. 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. Industry Statistics for Counties: 2002**

[Includes data for industry groups and industries with 500 employees or more. 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]

NAICS code	Geographic area and industry	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>4</sup>	Hours (1,000)	Wages (\$1,000)				
<b>HAWAII</b>													
31-33	Manufacturing .....	2	114	14	1 246	38 289	740	1 466	20 463	97 719	102 186	204 377	6 371
311	Food manufacturing .....	2	45	3	642	18 821	431	884	10 398	49 119	54 143	107 187	2 133
<b>HONOLULU</b>													
31-33	Manufacturing .....	1	683	132	10 253	326 845	6 855	12 920	195 266	948 546	2 017 417	2 959 134	59 572
311	Food manufacturing .....	2	169	46	3 349	88 624	2 185	3 926	51 078	306 641	279 042	585 618	13 778
3118	Bakeries and tortilla manufacturing .....	4	76	19	1 327	31 259	850	1 414	19 155	77 796	40 223	116 489	5 224
31181	Bread and bakery product manufacturing .....	3	61	17	1 188	26 389	753	1 249	16 074	63 380	29 367	91 357	4 457
311811	Retail bakeries .....	3	44	9	503	7 170	263	382	3 809	15 115	7 645	22 760	333
311812	Commercial bakeries .....	3	17	8	685	19 219	490	867	12 265	48 265	21 722	68 597	4 124
3119	Other food manufacturing .....	1	38	10	748	20 239	475	885	10 795	96 140	66 761	162 470	4 902
312	Beverage and tobacco product manufacturing .....	1	9	7	503	18 808	167	330	4 586	51 861	99 599	151 963	5 137
3121	Beverage manufacturing .....	1	9	7	503	18 808	167	330	4 586	51 861	99 599	151 963	5 137
31211	Soft drink and ice manufacturing .....	1	8	7	f	D	D	D	D	D	D	D	D
315	Apparel manufacturing .....	3	78	14	1 094	22 711	894	1 693	13 578	48 803	31 937	80 335	D
3152	Cut and sew apparel manufacturing .....	3	75	14	g	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	5	49	7	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	92	16	1 419	43 812	837	1 458	25 099	96 372	54 678	149 208	3 073
3231	Printing and related support activities .....	3	92	16	1 419	43 812	837	1 458	25 099	96 372	54 678	149 208	3 073
32311	Printing .....	3	87	15	1 386	42 717	809	1 397	24 188	94 534	54 590	147 282	D
323110	Commercial lithographic printing .....	2	34	9	609	21 407	452	761	13 940	42 452	21 445	63 790	1 833
339	Miscellaneous manufacturing .....	3	119	11	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous manufacturing .....	3	83	8	f	D	D	D	D	D	D	D	D
<b>MAUI</b>													
31-33	Manufacturing .....	1	93	8	1 491	50 232	1 141	2 204	35 640	157 060	113 889	270 556	16 574
311	Food manufacturing .....	-	34	4	1 159	36 512	932	1 791	27 631	116 228	87 711	204 002	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	-	3	1	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	-	3	1	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	-	3	1	f	D	D	D	D	D	D	D	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 based on administrative-record 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>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

<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. 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 4. Industry Statistics for Places: 2002**

[Includes data for industry groups and industries with 500 employees or more. 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]

NAICS code	Geographic area and industry	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)	
		E1	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)					Wages (\$1,000)
<b>HALAWA CDP</b>													
31-33	Manufacturing .....	—	10	4	529	12 630	199	372	5 509	42 744	25 601	66 407	2 860
<b>HILO CDP</b>													
31-33	Manufacturing .....	2	58	8	869	26 878	515	1 040	12 978	62 840	70 464	137 408	4 516
311	Food manufacturing .....	1	29	3	563	16 814	376	796	9 181	42 256	48 209	94 444	1 868
<b>HONOLULU CDP</b>													
31-33	Manufacturing .....	3	459	77	6 503	190 570	4 494	8 362	114 046	462 566	423 933	885 579	15 514
311	Food manufacturing .....	2	123	30	2 456	66 199	1 582	2 921	37 639	206 342	197 557	404 169	6 338
3118	Bakeries and tortilla manufacturing .....	3	53	11	911	24 048	584	1 032	14 164	53 689	33 704	85 854	1 897
31181	Bread and bakery product manufacturing .....	1	42	9	777	19 373	491	875	11 222	40 382	23 187	62 170	1 160
315	Apparel manufacturing .....	3	66	13	981	20 721	799	1 519	12 233	44 184	29 785	73 533	1 945
3152	Cut and sew apparel manufacturing .....	3	64	13	f	D	D	D	D	D	D	D	D
31521	Cut and sew apparel contractors .....	4	42	7	f	D	D	D	D	D	D	D	D
323	Printing and related support activities .....	3	72	14	995	34 360	714	1 254	21 959	73 268	44 209	117 225	2 561
3231	Printing and related support activities .....	3	72	14	995	34 360	714	1 254	21 959	73 268	44 209	117 225	2 561
32311	Printing .....	3	68	13	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing .....	2	32	9	f	D	D	D	D	D	D	D	D
339	Miscellaneous manufacturing .....	3	90	5	f	D	D	D	D	D	D	D	968
3399	Other miscellaneous manufacturing .....	3	57	3	f	D	D	D	D	D	D	D	737
<b>KAHULUI CDP</b>													
31-33	Manufacturing .....	—	19	2	f	D	D	D	D	D	D	D	2 357
311	Food manufacturing .....	—	8	1	f	D	D	D	D	D	D	D	D
3114	Fruit and vegetable preserving and specialty food manufacturing .....	—	1	1	f	D	D	D	D	D	D	D	D
31142	Fruit and vegetable canning, pickling, and drying .....	—	1	1	f	D	D	D	D	D	D	D	D
311421	Fruit and vegetable canning .....	—	1	1	f	D	D	D	D	D	D	D	D
<b>BALANCE OF HONOLULU COUNTY</b>													
31-33	Manufacturing .....	—	91	30	1 799	81 140	1 294	2 684	55 138	329 684	1 446 940	1 772 053	31 121

<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 based on administrative-record 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>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f—500 to 999 employees; g—1,000 to 2,499 employees; h—2,500 to 4,999 employees; i—5,000 to 9,999 employees; j—10,000 to 24,999 employees; k—25,000 to 49,999 employees; l—50,000 to 99,999 employees; m—100,000 employees or more.

<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. 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 5. Detailed Statistics for the State: 2002**

[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 meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>HAWAII</b>	
Companies <sup>1</sup> .....	number.. N
All establishments <sup>2</sup> .....	number.. '929
Establishments with 1 to 19 employees .....	number.. 772
Establishments with 20 to 99 employees .....	number.. '135
Establishments with 100 employees or more .....	number.. 22
All employees <sup>3</sup> .....	number.. '13 200
Total compensation .....	\$1,000.. '512 860
Annual payroll .....	\$1,000.. '421 269
Total fringe benefits .....	\$1,000.. '91 591
Production workers, average for year .....	number.. '8 865
Production workers on March 12 .....	number.. '8 858
Production workers on May 12 .....	number.. '8 830
Production workers on August 12 .....	number.. '8 880
Production workers on November 12 .....	number.. '8 859
Production worker hours .....	1,000.. '16 837
Production worker wages .....	\$1,000.. '254 713
Total cost of materials .....	\$1,000.. '2 246 539
Materials, parts, containers, packaging, etc., used .....	\$1,000.. '1 904 259
Resales .....	\$1,000.. '246 016
Purchased fuels .....	\$1,000.. '41 001
Purchased electricity .....	\$1,000.. '21 969
Contract work .....	\$1,000.. '33 294
Quantity of electricity purchased for heat and power .....	1,000 kWh.. '204 563
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 356 114
Total value of shipments .....	\$1,000.. '3 480 199
Value of resales .....	\$1,000.. '280 656
Value added .....	\$1,000.. '1 217 728
Total inventories, beginning of year .....	\$1,000.. '366 172
Finished goods inventories .....	\$1,000.. '195 042
Work-in-process inventories .....	\$1,000.. '74 346
Materials and supplies inventories .....	\$1,000.. '96 784
Total inventories, end of year .....	\$1,000.. '370 990
Finished goods inventories .....	\$1,000.. '237 652
Work-in-process inventories .....	\$1,000.. '31 358
Materials and supplies inventories .....	\$1,000.. '101 980
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '1 386 417
Total capital expenditures (new and used) .....	\$1,000.. '82 960
Buildings and other structures (new and used) .....	\$1,000.. '13 569
Machinery and equipment (new and used) .....	\$1,000.. '69 391
Automobiles, trucks, etc., for highway use .....	\$1,000.. '5 399
Computers and peripheral data processing equipment .....	\$1,000.. '4 080
All other expenditures for machinery and equipment .....	\$1,000.. '59 912
Total retirements .....	\$1,000.. '33 527
Gross value of depreciable assets at end of year .....	\$1,000.. '1 435 850
Depreciation charges during year .....	\$1,000.. '76 908
Total rental payments .....	\$1,000.. 51 216
Buildings and other structures .....	\$1,000.. 36 161
Machinery and equipment .....	\$1,000.. 15 055

<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.

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.