

National Employment Matrix, employment by industry, occupation, and percent distribution, 2006 and projected 2016.

51-4111 Tool and die makers

[Industries with fewer than 50 jobs, confidential data, or poor quality data are not displayed]

Industry	2006			2016			Percent change	Numeric change
	Number	Percent of ind	Percent of occ	Number	Percent of ind	Percent of occ		
000001 Total employment, all workers	100,788	0.07	100.00	91,101	0.05	100.00	-9.61	-9,687
000500 Total wage and salary employment	97,110	0.07	96.35	86,986	0.06	95.48	-10.42	-10,124
000520 Wage and salary employment, except agriculture, forestry, fishing, hunting, and private households	97,110	0.07	96.35	86,986	0.06	95.48	-10.42	-10,124
31-33 Manufacturing	95,109	0.67	94.37	84,596	0.67	92.86	-11.05	-10,513
321000 Wood product manufacturing	135	0.02	0.13	136	0.03	0.15	0.52	1
321900 Other wood product manufacturing	114	0.04	0.11	113	0.04	0.12	-1.05	-1
322000 Paper manufacturing	1,753	0.37	1.74	1,541	0.42	1.69	-12.12	-212
322200 Converted paper product manufacturing	1,726	0.52	1.71	1,521	0.56	1.67	-11.89	-205
323000 Printing and related support activities	350	0.06	0.35	291	0.06	0.32	-16.81	-59
323100 Printing and related support activities	350	0.06	0.35	291	0.06	0.32	-16.81	-59
325000 Chemical manufacturing	276	0.03	0.27	249	0.03	0.27	-9.86	-27
325100 Basic chemical manufacturing	135	0.09	0.13	119	0.10	0.13	-11.46	-15
325600 Soap, cleaning compound, and toilet preparation manufacturing	64	0.06	0.06	65	0.06	0.07	0.89	1
326000 Plastics and rubber products manufacturing	6,198	0.78	6.15	6,707	0.88	7.36	8.21	509
326100 Plastics product manufacturing	5,683	0.89	5.64	6,325	0.97	6.94	11.30	642
326200 Rubber product manufacturing	515	0.32	0.51	382	0.34	0.42	-25.86	-133
327000 Nonmetallic mineral product manufacturing	230	0.05	0.23	224	0.04	0.25	-2.69	-6
327100 Clay product and refractory manufacturing	91	0.15	0.09	87	0.16	0.10	-3.83	-3
331000 Primary metal manufacturing	4,967	1.07	4.93	3,809	1.13	4.18	-23.31	-1,158
331200 Steel product manufacturing from purchased steel	506	0.84	0.50	470	0.91	0.52	-7.08	-36
331300 Alumina and aluminum production and processing	739	1.02	0.73	540	1.07	0.59	-26.92	-199
331500 Foundries	2,545	1.57	2.53	1,938	1.62	2.13	-23.87	-607
332000 Fabricated metal product manufacturing	19,415	1.25	19.26	16,544	1.21	18.16	-14.79	-2,871
332100 Forging and stamping	6,577	5.81	6.53	5,404	6.28	5.93	-17.84	-1,173
332200 Cutlery and handtool manufacturing	1,689	3.12	1.68	1,333	3.36	1.46	-21.09	-356
332300 Architectural and structural metals manufacturing	1,176	0.28	1.17	1,319	0.30	1.45	12.15	143
332400 Boiler, tank, and shipping container manufacturing	485	0.53	0.48	459	0.56	0.50	-5.38	-26
332500 Hardware manufacturing	724	2.13	0.72	537	2.28	0.59	-25.87	-187
332600 Spring and wire product manufacturing	724	1.24	0.72	563	1.34	0.62	-22.27	-161
332700 Machine shops; turned product; and screw, nut, and bolt manufacturing	4,955	1.41	4.92	4,082	1.44	4.48	-17.61	-872
332710 Machine shops	2,897	1.09	2.87	2,516	1.14	2.76	-13.14	-381
332720 Turned product and screw, nut, and bolt manufacturing	2,058	2.38	2.04	1,566	2.55	1.72	-23.90	-492
332800 Coating, engraving, heat treating, and allied activities	316	0.21	0.31	272	0.23	0.30	-13.94	-44
332900 Other fabricated metal product manufacturing	2,768	0.96	2.75	2,575	1.02	2.83	-6.96	-193
333000 Machinery manufacturing	28,215	2.37	27.99	24,710	2.36	27.12	-12.42	-3,505
333100 Agriculture, construction, and mining machinery manufacturing	1,672	0.75	1.66	1,639	0.79	1.80	-1.96	-33
333200 Industrial machinery manufacturing	821	0.67	0.81	706	0.70	0.78	-13.98	-115
333300 Commercial and service industry machinery manufacturing	263	0.24	0.26	242	0.25	0.27	-7.90	-21
333400 Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	884	0.55	0.88	854	0.59	0.94	-3.41	-30
333500 Metalworking machinery manufacturing	22,307	11.01	22.13	19,176	11.57	21.05	-14.03	-3,131
333600 Engine, turbine, and power transmission equipment manufacturing	865	0.86	0.86	763	0.91	0.84	-11.87	-103
333900 Other general purpose machinery manufacturing	1,402	0.51	1.39	1,329	0.54	1.46	-5.21	-73
334000 Computer and electronic product manufacturing	1,679	0.13	1.67	1,562	0.13	1.71	-6.98	-117
334200 Communications equipment manufacturing	97	0.07	0.10	102	0.07	0.11	5.83	6
334400 Semiconductor and other electronic component manufacturing	473	0.10	0.47	434	0.11	0.48	-8.22	-39
334500 Navigational, measuring, electromedical, and control instruments manufacturing	818	0.19	0.81	823	0.20	0.90	0.53	4
335000 Electrical equipment, appliance, and component manufacturing	3,641	0.84	3.61	3,259	0.92	3.58	-10.49	-382
335100 Electric lighting equipment manufacturing	331	0.56	0.33	260	0.61	0.29	-21.53	-71
335200 Household appliance manufacturing	817	0.99	0.81	649	1.06	0.71	-20.55	-168
335300 Electrical equipment manufacturing	933	0.60	0.93	832	0.66	0.91	-10.78	-101
335900 Other electrical equipment and component manufacturing	1,559	1.12	1.55	1,517	1.22	1.67	-2.70	-42
336000 Transportation equipment manufacturing	24,565	1.39	24.37	22,116	1.34	24.28	-9.97	-2,449
336200 Motor vehicle body and trailer manufacturing	526	0.29	0.52	541	0.31	0.59	2.74	14
336300 Motor vehicle parts manufacturing	16,980	2.60	16.85	14,194	2.75	15.58	-16.40	-2,786
336400 Aerospace product and parts manufacturing	3,353	0.71	3.33	3,585	0.72	3.94	6.94	233
336600 Ship and boat building	95	0.06	0.09	112	0.06	0.12	17.53	17
336900 Other transportation equipment manufacturing	423	1.07	0.42	446	1.13	0.49	5.44	23
337000 Furniture and related product manufacturing	445	0.08	0.44	417	0.08	0.46	-6.35	-28
337120 Household and institutional furniture manufacturing	158	0.08	0.16	126	0.08	0.14	-20.10	-32
337200 Office furniture (including fixtures) manufacturing	228	0.17	0.23	226	0.18	0.25	-1.27	-3
339000 Miscellaneous manufacturing	3,038	0.47	3.01	2,879	0.48	3.16	-5.26	-160
339100 Medical equipment and supplies manufacturing	1,244	0.40	1.23	1,336	0.43	1.47	7.40	92
339900 Other miscellaneous manufacturing	1,795	0.52	1.78	1,543	0.54	1.69	-14.04	-252
339910 Jewelry and silverware manufacturing	456	1.12	0.45	290	1.20	0.32	-36.53	-167
420000 Wholesale trade	296	0.01	0.29	340	0.01	0.37	15.06	45
423000 Merchant wholesalers, durable goods	196	0.01	0.19	224	0.01	0.25	14.24	28
423800 Machinery, equipment, and supplies merchant wholesalers	107	0.02	0.11	117	0.02	0.13	9.43	10

Industry	2006			2016			Percent change	Numeric change
	Number	Percent of ind	Percent of occ	Number	Percent of ind	Percent of occ		
425000 Wholesale electronic markets and agents and brokers	63	0.01	0.06	75	0.01	0.08	19.15	12
425100 Wholesale electronic markets and agents and brokers	63	0.01	0.06	75	0.01	0.08	19.15	12
540000 Professional, scientific, and technical services	536	0.01	0.53	689	0.01	0.76	28.43	153
541000 Professional, scientific, and technical services	536	0.01	0.53	689	0.01	0.76	28.43	153
541300 Architectural, engineering, and related services	381	0.03	0.38	500	0.03	0.55	31.15	119
541380 Testing laboratories	242	0.17	0.24	313	0.17	0.34	29.28	71
541700 Scientific research and development services	85	0.01	0.08	95	0.01	0.10	12.03	10
541710 Research and development in the physical, engineering, and life sciences	85	0.02	0.08	95	0.02	0.10	12.03	10
550000 Management of companies and enterprises	125	0.01	0.12	151	0.01	0.17	21.04	26
551000 Management of companies and enterprises	125	0.01	0.12	151	0.01	0.17	21.04	26
551100 Management of companies and enterprises	125	0.01	0.12	151	0.01	0.17	21.04	26
560000 Administrative and support and waste management and remediation services	446	0.01	0.44	595	0.01	0.65	33.24	148
561000 Administrative and support services	446	0.01	0.44	595	0.01	0.65	33.24	148
561300 Employment services	419	0.01	0.42	557	0.01	0.61	32.89	138
990000 Government	473	0.00	0.47	470	0.00	0.52	-0.51	-2
910000 Federal government	467	0.02	0.46	464	0.02	0.51	-0.72	-3
919999 Federal government, excluding postal service	466	0.02	0.46	463	0.02	0.51	-0.74	-3
006700 Self-employed and unpaid family workers, all jobs	3,678	0.03	3.65	4,115	0.03	4.52	11.86	436
006701 Total self-employed and unpaid family workers, primary job	3,678	0.03	3.65	4,115	0.04	4.52	11.86	436
000600 Self-employed workers, all jobs	3,678	0.03	3.65	4,115	0.03	4.52	11.86	436
000601 Self-employed workers, primary job	3,678	0.03	3.65	4,115	0.04	4.52	11.86	436