

Competitive Wage Analysis											
SOC	Description	2018 Jobs	Annual Openings	Available Workers	Applicants per Opening	Avg. Hourly Earnings	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile
51-1011	First-Line Supervisors of Production and Operating Workers	3,430	399	119.6	3.6	\$32.02	\$18.69	\$23.08	\$30.19	\$39.00	\$49.53
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	465	53	16.0	3.7	\$21.13	\$13.51	\$15.84	\$19.83	\$24.94	\$31.51
51-2021	Coil Winders, Tapers, and Finishers	37	Insf. Data	1.3	2.9	\$18.18	\$12.30	\$13.58	\$17.14	\$21.48	\$26.34
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	2,395	296	83.0	3.4	\$16.06	\$10.17	\$12.53	\$15.27	\$18.53	\$23.25
51-2031	Engine and Other Machine Assemblers	120	13	4.1	3.8	\$18.18	\$12.32	\$14.47	\$17.70	\$21.51	\$24.80
51-2041	Structural Metal Fabricators and Fitters	734	83	25.2	3.7	\$19.18	\$12.17	\$15.05	\$18.55	\$22.72	\$27.04
51-2091	Fiberglass Laminators and Fabricators	61	Insf. Data	2.3	2.9	\$14.52	\$9.55	\$11.68	\$13.84	\$16.49	\$19.90
51-2093	Timing Device Assemblers and Adjusters	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	5,140	638	182.9	3.4	\$15.72	\$10.20	\$11.86	\$15.03	\$18.57	\$22.79
51-3011	Bakers	2,098	351	74.8	2.5	\$14.12	\$9.47	\$10.88	\$12.97	\$16.83	\$21.06
51-3021	Butchers and Meat Cutters	1,006	144	34.5	2.9	\$17.23	\$12.22	\$13.71	\$16.69	\$20.89	\$23.72
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	282	43	9.7	2.8	\$15.02	\$9.68	\$11.26	\$14.22	\$19.01	\$22.01
51-3023	Slaughterers and Meat Packers	279	38	9.4	3.0	\$16.09	\$10.25	\$11.66	\$16.52	\$19.73	\$22.46
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	321	44	10.9	3.1	\$14.35	\$9.87	\$11.75	\$13.66	\$15.89	\$18.67
51-3092	Food Batchmakers	1,244	205	42.5	2.6	\$14.82	\$9.63	\$10.72	\$12.47	\$15.34	\$22.62
51-3093	Food Cooking Machine Operators and Tenders	191	32	6.5	2.5	\$14.89	\$9.66	\$10.98	\$13.48	\$18.20	\$22.75
51-3099	Food Processing Workers, All Other	653	87	22.0	3.1	\$12.96	\$9.66	\$10.70	\$12.38	\$14.88	\$17.61
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	338	42	11.4	3.3	\$19.93	\$14.98	\$16.79	\$19.56	\$22.91	\$26.15
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	93	12	3.1	3.1	\$28.29	\$19.52	\$23.98	\$28.10	\$31.83	\$37.30
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	427	47	14.7	3.9	\$17.49	\$12.57	\$13.85	\$16.17	\$19.80	\$24.71
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	91	Insf. Data	3.2	4.2	\$19.71	\$11.81	\$15.42	\$19.83	\$23.85	\$27.54
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	91	10	3.1	3.6	\$17.17	\$12.80	\$13.77	\$15.41	\$20.30	\$24.11
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	797	95	27.5	3.5	\$15.14	\$9.88	\$10.88	\$12.58	\$18.94	\$23.41
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28	Insf. Data	1.0	3.6	\$17.60	\$11.13	\$13.00	\$16.79	\$21.14	\$25.67
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	310	35	10.8	3.7	\$15.90	\$10.90	\$12.41	\$14.56	\$19.68	\$23.21
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	95	10	3.3	3.8	\$16.34	\$9.65	\$10.55	\$12.30	\$22.62	\$27.87
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	41	Insf. Data	1.5	3.5	\$21.76	\$12.79	\$13.94	\$16.03	\$19.22	\$24.80

51-4041	Machinists	1,908	224	66.6	3.5	\$22.84	\$13.10	\$16.98	\$22.55	\$28.17	\$33.75
51-4051	Metal-Refining Furnace Operators and Tenders	40	Insf. Data	1.4	4.2	\$18.88	\$14.29	\$15.87	\$18.36	\$21.69	\$24.80
51-4052	Pourers and Casters, Metal	19	Insf. Data	0.7	4.5	\$16.97	\$10.06	\$12.21	\$16.49	\$20.83	\$25.01
51-4061	Model Makers, Metal and Plastic	32	Insf. Data	1.1	3.5	\$27.53	\$13.24	\$21.88	\$28.13	\$33.76	\$38.74
51-4062	Patternmakers, Metal and Plastic	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-4071	Foundry Mold and Coremakers	47	Insf. Data	1.7	3.7	\$16.02	\$11.93	\$13.28	\$15.14	\$18.09	\$21.85
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	831	100	28.8	3.5	\$16.66	\$10.39	\$12.43	\$15.39	\$19.47	\$24.57
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	540	66	18.7	3.4	\$20.62	\$13.08	\$14.79	\$17.98	\$24.95	\$33.85
51-4111	Tool and Die Makers	220	23	7.5	4.0	\$24.81	\$14.30	\$18.23	\$25.43	\$30.77	\$35.50
51-4121	Welders, Cutters, Solderers, and Brazers	1,961	264	71.3	3.1	\$20.91	\$15.41	\$16.97	\$19.47	\$24.15	\$29.44
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	127	15	4.6	3.6	\$19.53	\$11.22	\$13.95	\$20.12	\$24.31	\$28.46
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	54	Insf. Data	1.9	3.5	\$19.77	\$11.95	\$14.29	\$18.35	\$24.73	\$28.79
51-4192	Layout Workers, Metal and Plastic	28	Insf. Data	1.0	3.3	\$18.40	\$10.82	\$14.25	\$17.92	\$21.41	\$26.57
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	134	16	4.7	3.7	\$19.12	\$11.01	\$13.20	\$18.53	\$23.76	\$29.19
51-4194	Tool Grinders, Filers, and Sharpeners	37	Insf. Data	1.5	3.2	\$18.97	\$11.24	\$13.88	\$17.75	\$22.89	\$28.33
51-4199	Metal Workers and Plastic Workers, All Other	382	44	13.2	3.6	\$15.69	\$9.46	\$10.55	\$14.89	\$20.32	\$23.44
51-5111	Prepress Technicians and Workers	294	34	10.1	3.6	\$19.96	\$11.53	\$14.63	\$19.15	\$23.84	\$28.50
51-5112	Printing Press Operators	1,800	187	64.9	3.9	\$19.67	\$11.63	\$14.21	\$18.21	\$23.80	\$29.87
51-5113	Print Binding and Finishing Workers	270	35	9.2	3.1	\$17.43	\$11.71	\$13.60	\$16.61	\$21.21	\$24.77
51-6011	Laundry and Dry-Cleaning Workers	1,099	162	41.8	2.8	\$12.34	\$9.83	\$10.82	\$12.10	\$13.67	\$15.26
51-6021	Pressers, Textile, Garment, and Related Materials	412	53	14.1	3.2	\$11.99	\$9.93	\$10.71	\$11.76	\$13.10	\$14.57
51-6031	Sewing Machine Operators	882	106	35.6	3.3	\$13.02	\$9.49	\$9.98	\$11.78	\$14.97	\$18.26
51-6041	Shoe and Leather Workers and Repairers	29	Insf. Data	1.9	4.1	\$12.98	\$9.32	\$10.07	\$12.00	\$14.19	\$16.39
51-6042	Shoe Machine Operators and Tenders	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-6051	Sewers, Hand	50	Insf. Data	3.5	2.5	\$16.62	\$11.37	\$15.24	\$17.03	\$18.81	\$20.55
51-6052	Tailors, Dressmakers, and Custom Sewers	117	16	10.9	3.2	\$19.16	\$13.23	\$15.56	\$19.38	\$22.47	\$25.05
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	93	13	3.2	2.9	\$15.65	\$10.03	\$11.53	\$14.81	\$18.49	\$23.43
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18	Insf. Data	0.6	3.5	\$14.02	\$9.59	\$11.14	\$13.42	\$16.18	\$18.98
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	34	Insf. Data	1.2	3.3	\$14.90	\$10.81	\$12.68	\$14.49	\$16.35	\$19.44
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	73	10	2.5	3.0	\$17.33	\$11.17	\$13.45	\$16.62	\$20.31	\$24.65
51-6092	Fabric and Apparel Patternmakers	18	Insf. Data	0.7	2.7	\$23.02	\$11.24	\$14.41	\$18.72	\$29.89	\$41.63
51-6093	Upholsterers	199	23	9.1	3.8	\$20.06	\$14.87	\$16.21	\$18.35	\$22.95	\$29.89
51-6099	Textile, Apparel, and Furnishings Workers, All Other	183	24	6.4	3.2	\$13.67	\$9.30	\$9.64	\$11.46	\$15.96	\$21.06

51-7011	Cabinetmakers and Bench Carpenters	1,069	127	38.1	3.5	\$17.71	\$12.72	\$14.60	\$17.06	\$19.98	\$24.20
51-7021	Furniture Finishers	226	23	8.5	4.2	\$18.18	\$13.47	\$15.48	\$17.79	\$20.75	\$24.17
51-7031	Model Makers, Wood	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-7032	Patternmakers, Wood	<10	Insf. Data	#VALUE!	#VALUE!	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data	Insf. Data
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	96	13	3.4	3.0	\$14.76	\$10.26	\$11.75	\$14.15	\$17.39	\$20.18
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	291	36	9.9	3.4	\$16.80	\$12.54	\$13.87	\$16.48	\$19.66	\$22.57
51-7099	Woodworkers, All Other	30	Insf. Data	2.9	3.3	\$16.65	\$9.61	\$11.47	\$15.13	\$20.85	\$25.84
51-8011	Nuclear Power Reactor Operators	15	Insf. Data	0.5	#VALUE!	\$49.87	\$35.26	\$42.21	\$49.29	\$57.50	\$66.63
51-8012	Power Distributors and Dispatchers	113	11	3.9	4.5	\$40.22	\$27.97	\$34.97	\$41.47	\$46.63	\$50.66
51-8013	Power Plant Operators	167	17	5.7	4.2	\$37.40	\$26.38	\$30.82	\$38.86	\$44.47	\$48.57
51-8021	Stationary Engineers and Boiler Operators	646	78	21.9	3.5	\$27.75	\$16.15	\$19.73	\$25.98	\$31.57	\$38.60
51-8031	Water and Wastewater Treatment Plant and System Operators	614	63	20.9	4.1	\$27.52	\$19.39	\$22.43	\$27.19	\$32.50	\$37.32
51-8091	Chemical Plant and System Operators	70	Insf. Data	2.4	3.3	\$22.22	\$13.66	\$17.44	\$21.89	\$26.26	\$31.41
51-8092	Gas Plant Operators	208	26	7.0	3.3	\$35.57	\$26.78	\$29.81	\$34.54	\$39.68	\$47.68
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	291	39	9.8	3.1	\$38.10	\$26.46	\$31.93	\$40.23	\$44.78	\$47.68
51-8099	Plant and System Operators, All Other	551	59	18.7	3.9	\$26.21	\$13.26	\$18.94	\$26.84	\$31.39	\$38.20
51-9011	Chemical Equipment Operators and Tenders	370	49	12.5	3.2	\$18.16	\$12.06	\$14.03	\$17.03	\$21.24	\$26.92
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	775	96	26.3	3.4	\$17.17	\$10.85	\$12.61	\$15.47	\$20.92	\$26.88
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	311	40	10.6	3.3	\$18.48	\$12.81	\$15.00	\$17.65	\$21.55	\$25.31
51-9022	Grinding and Polishing Workers, Hand	88	12	3.0	3.3	\$13.55	\$11.12	\$12.08	\$13.26	\$14.52	\$15.81
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	466	68	15.6	2.8	\$17.48	\$11.56	\$12.99	\$15.24	\$18.74	\$30.81
51-9031	Cutters and Trimmers, Hand	92	12	3.1	3.3	\$13.90	\$9.61	\$10.43	\$12.70	\$16.89	\$19.16
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	544	68	18.4	3.3	\$17.00	\$12.45	\$13.89	\$16.29	\$19.05	\$23.72
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	402	55	13.5	3.0	\$17.39	\$12.46	\$14.15	\$16.61	\$19.52	\$23.85
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	94	10	3.2	3.8	\$20.91	\$14.84	\$16.49	\$19.22	\$23.75	\$28.92
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	2,929	395	105.6	3.1	\$20.69	\$10.55	\$14.31	\$19.30	\$25.49	\$32.14
51-9071	Jewelers and Precious Stone and Metal Workers	164	21	12.4	2.8	\$16.90	\$9.40	\$12.20	\$15.10	\$19.70	\$26.49
51-9081	Dental Laboratory Technicians	328	44	13.1	3.1	\$20.92	\$13.21	\$16.21	\$20.35	\$25.31	\$29.97
51-9082	Medical Appliance Technicians	140	20	5.2	3.0	\$23.88	\$14.24	\$17.71	\$24.94	\$29.38	\$32.91
51-9083	Ophthalmic Laboratory Technicians	374	49	13.3	3.2	\$18.97	\$10.64	\$12.09	\$16.28	\$19.88	\$41.25
51-9111	Packaging and Filling Machine Operators and Tenders	3,019	428	101.9	3.0	\$17.34	\$10.20	\$12.58	\$16.12	\$21.57	\$25.66
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	610	73	21.3	3.4	\$17.98	\$11.65	\$13.74	\$16.87	\$21.94	\$27.25
51-9122	Painters, Transportation Equipment	570	76	20.5	3.1	\$26.26	\$10.89	\$13.19	\$16.58	\$24.95	\$38.39
51-9123	Painting, Coating, and Decorating Workers	137	16	5.3	3.5	\$16.95	\$10.92	\$14.16	\$17.04	\$19.25	\$23.61
51-9141	Semiconductor Processors	423	53	14.5	3.3	\$18.53	\$13.82	\$15.48	\$17.97	\$21.08	\$24.56

51-9151	Photographic Process Workers and Processing Machine Operators	172	28	6.0	2.5	\$14.30	\$10.14	\$11.42	\$13.39	\$15.86	\$19.17
51-9191	Adhesive Bonding Machine Operators and Tenders	115	13	3.9	3.6	\$16.88	\$12.63	\$14.03	\$16.22	\$18.53	\$21.01
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	85	13	3.0	2.8	\$18.13	\$11.43	\$14.54	\$18.14	\$21.66	\$24.27
51-9193	Cooling and Freezing Equipment Operators and Tenders	37	Insf. Data	1.3	3.1	\$18.51	\$11.88	\$13.57	\$16.32	\$22.69	\$28.58
51-9194	Etchers and Engravers	71	11	2.9	2.6	\$17.79	\$10.83	\$13.06	\$16.18	\$20.09	\$25.49
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	175	24	7.4	3.2	\$18.85	\$15.34	\$16.40	\$17.89	\$19.79	\$23.59
51-9196	Paper Goods Machine Setters, Operators, and Tenders	216	23	7.4	3.9	\$17.11	\$11.47	\$13.33	\$16.09	\$20.20	\$24.74
51-9197	Tire Builders	122	16	4.1	3.2	\$23.59	\$14.14	\$17.05	\$22.57	\$29.91	\$34.95
51-9198	Helpers--Production Workers	2,363	461	78.7	2.1	\$13.44	\$9.31	\$9.96	\$11.77	\$15.00	\$18.55
51-9199	Production Workers, All Other	799	131	31.2	2.6	\$18.27	\$10.58	\$13.33	\$17.55	\$22.57	\$27.10