

MANUFACTURING

Job Title	Demand Rank	Demand Indicator	Median Wage	Projected Growth Rate	Projected Openings	Education Requirements
Production						
Team Assemblers	28	★★★★★	\$32,258/yr	2.8%	440	High school diploma or equivalent
Food Batchmakers	29	★★★★★	\$44,458/yr	5.1%	130	High school diploma or equivalent
Slaughterers and Meat Packers	43	★★★★★	\$34,219/yr	-0.6%	440	Less than high school
First-Line Supervisors of Production and Operating	45	★★★★★	\$55,629/yr	0.1%	220	High school diploma or equivalent
Meat, Poultry, and Fish Cutters and Trimmers	55	★★★★★	\$28,634/yr	-0.9%	60	Less than high school
Welders, Cutters, Solderers, and Brazers	57	★★★★★	\$44,677/yr	5.9%	410	High school diploma or equivalent
Machinists	66	★★★★★	\$44,380/yr	13.3%	400	Postsecondary non-degree award
Helpers--Production Workers	89	★★★★★	\$24,431/yr	-3.1%	210	Less than high school
Cutting, Punching, and Press Machine Setters, Oper	99	★★★★	\$38,907/yr	-16.4%	80	High school diploma or equivalent
Cabinetmakers and Bench Carpenters	102	★★★★	\$41,776/yr	13.1%	50	High school diploma or equivalent
Extruding and Drawing Machine Setters, Operators,	103	★★★★	\$40,299/yr	-22.1%	80	High school diploma or equivalent
Bakers	107	★★★★	\$28,835/yr	6.1%	40	Less than high school
Electrical and Electronic Equipment Assemblers	114	★★★★	\$33,921/yr	-18.5%	40	High school diploma or equivalent
Crushing, Grinding, and Polishing Machine Setters,	127	★★★★	\$38,098/yr	-3.9%	20	High school diploma or equivalent
Multiple Machine Tool Setters, Operators, and Tend	134	★★★★	\$36,109/yr	1.7%	40	High school diploma or equivalent
Woodworking Machine Setters, Operators, and Tender	140	★★★★	\$32,005/yr	2.3%	40	High school diploma or equivalent
Printing Press Operators	143	★★★★	\$37,420/yr	-2.3%	80	High school diploma or equivalent
Sewing Machine Operators	153	★★★★	\$30,045/yr	-0.4%	10	Less than high school
Packaging and Filling Machine Operators and Tender	172	★★★★	\$31,329/yr	2.7%	530	High school diploma or equivalent
Grinding, Lapping, Polishing, and Buffing Machine	173	★★★★	\$36,831/yr	-17.3%	90	High school diploma or equivalent
Stationary Engineers and Boiler Operators	179	★★★★	\$58,115/yr	3.8%	40	High school diploma or equivalent
Computer-Controlled Machine Tool Operators, Metal	184	★★★★	\$37,378/yr	30.7%	150	High school diploma or equivalent
Tool and Die Makers	185	★★★★	\$51,005/yr	-7.6%	10	Postsecondary non-degree award
Metal-Refining Furnace Operators and Tenders	196	★★★	\$44,260/yr	0.8%	30	High school diploma or equivalent
Butchers and Meat Cutters	215	★★★	\$38,429/yr	1.3%	30	Less than high school
Model Makers, Metal and Plastic	221	★★★	\$35,217/yr	-28.5%	20	High school diploma or equivalent
Cooling and Freezing Equipment Operators and Tende	237	★★★	\$35,875/yr	-4.0%	0	High school diploma or equivalent
Inspectors, Testers, Sorters, Samplers, and Weighe	239	★★★	\$36,188/yr	-1.3%	280	High school diploma or equivalent
Heat Treating Equipment Setters, Operators, and Te	257	★★★	\$35,202/yr	-12.0%	0	High school diploma or equivalent
Layout Workers, Metal and Plastic	258	★★★	\$34,302/yr	0.0%	0	High school diploma or equivalent
Plating and Coating Machine Setters, Operators, an	262	★★★	\$35,416/yr	-17.4%	40	High school diploma or equivalent
Pressers, Textile, Garment, and Related Materials	268	★★★	\$24,456/yr	0.0%	0	Less than high school



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Furnace, Kiln, Oven, Drier, and Kettle Operators a	271	★★★	\$44,454/yr	12.3%	20	High school diploma or equivalent
Extruding and Forming Machine Setters, Operators,	281	★★★	\$39,278/yr	-2.8%	0	High school diploma or equivalent
Separating, Filtering, Clarifying, Precipitating,	285	★★★	\$41,089/yr	8.4%	30	High school diploma or equivalent
Computer Numerically Controlled Machine Tool Progr	289	★★	\$48,130/yr	23.5%	10	Postsecondary non-degree award
Textile Cutting Machine Setters, Operators, and Te	292	★★	\$27,950/yr	-16.7%	0	High school diploma or equivalent
Structural Metal Fabricators and Fitters	295	★★	\$45,313/yr	0.0%	10	High school diploma or equivalent
Pourers and Casters, Metal	297	★★	\$38,389/yr	-6.7%	10	High school diploma or equivalent
Mixing and Blending Machine Setters, Operators, an	298	★★	\$36,587/yr	1.8%	50	High school diploma or equivalent
Molders, Shapers, and Casters, Except Metal and Pl	300	★★	\$39,011/yr	-6.6%	20	High school diploma or equivalent
Laundry and Dry-Cleaning Workers	301	★★	\$25,613/yr	5.0%	70	Less than high school
Painting, Coating, and Decorating Workers	303	★★	\$42,545/yr	4.7%	20	Less than high school
Grinding and Polishing Workers, Hand	310	★★	\$31,203/yr	-30.6%	20	Less than high school
Foundry Mold and Coremakers	312	★★	\$38,757/yr	-7.7%	0	High school diploma or equivalent
Cleaning, Washing, and Metal Pickling Equipment Op	313	★★	\$40,626/yr	0.0%	0	Less than high school
Prepress Technicians and Workers	315	★★	\$47,959/yr	-28.0%	10	High school diploma or equivalent
Chemical Equipment Operators and Tenders	349	★★	\$35,954/yr	5.3%	10	High school diploma or equivalent
Rolling Machine Setters, Operators, and Tenders, M	356	★★	\$43,680/yr	-0.8%	30	High school diploma or equivalent
Furniture Finishers	360	★★	\$35,291/yr	4.5%	10	High school diploma or equivalent
Molding, Coremaking, and Casting Machine Setters,	372	★★	\$33,176/yr	-20.9%	20	High school diploma or equivalent
Fiberglass Laminators and Fabricators	374	★★	\$34,081/yr	29.2%	10	High school diploma or equivalent
Extruding, Forming, Pressing, and Compacting Machi	391	★	\$32,483/yr	-5.0%	30	High school diploma or equivalent
Print Binding and Finishing Workers	394	★	\$34,128/yr	-10.3%	60	High school diploma or equivalent
Welding, Soldering, and Brazing Machine Setters, O	403	★	\$44,199/yr	-11.3%	80	High school diploma or equivalent
Food and Tobacco Roasting, Baking, and Drying Mach	405	★	\$37,490/yr	2.8%	10	Less than high school
Adhesive Bonding Machine Operators and Tenders	411	★	\$35,977/yr	3.4%	0	High school diploma or equivalent
Lathe and Turning Machine Tool Setters, Operators,	413	★	\$37,480/yr	-12.5%	10	High school diploma or equivalent
Chemical Plant and System Operators	416	★	\$44,966/yr	-7.0%	10	High school diploma or equivalent
Electromechanical Equipment Assemblers	420	★	\$25,642/yr	-10.5%	0	High school diploma or equivalent
Cutting and Slicing Machine Setters, Operators, an	423	★	\$35,155/yr	0.7%	30	High school diploma or equivalent
Coating, Painting, and Spraying Machine Setters, O	425	★	\$34,986/yr	3.9%	80	High school diploma or equivalent
Sawing Machine Setters, Operators, and Tenders, Wo	431	★	\$31,090/yr	-3.0%	20	High school diploma or equivalent
Food Cooking Machine Operators and Tenders	454	★	\$30,118/yr	2.6%	170	High school diploma or equivalent
Shoe Machine Operators and Tenders	456	★	NA	-13.8%	10	High school diploma or equivalent



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Paper Goods Machine Setters, Operators, and Tender	469	★	\$40,624/yr	7.9%	30	High school diploma or equivalent
Engine and Other Machine Assemblers	471	★	\$42,463/yr	0.0%	0	High school diploma or equivalent
Power Distributors and Dispatchers	472	★	\$91,062/yr	0.0%	0	High school diploma or equivalent
Janitors and Cleaners, Except Maids and Housekeepi	6	★★★★★	\$27,407/yr	7.4%	1020	Less than high school
Landscaping and Groundskeeping Workers	83	★★★★★	\$28,165/yr	6.2%	340	Less than high school
Maintenance						
Maintenance and Repair Workers, General	49	★★★★★	\$39,025/yr	4.2%	580	High school diploma or equivalent
Industrial Machinery Mechanics	71	★★★★★	\$47,739/yr	21.7%	320	Postsecondary non-degree award
Maintenance Workers, Machinery	125	★★★★	\$42,114/yr	17.5%	80	High school diploma or equivalent
Engineering						
Industrial Engineers	54	★★★★★	\$77,413/yr	1.0%	200	Bachelor's degree
Industrial Engineering Technicians	92	★★★★★	\$46,650/yr	-2.9%	80	Associate's degree
Computer Hardware Engineers	133	★★★★	\$107,960/yr	-14.5%	40	Bachelor's degree
Electrical and Electronics Engineering Technicians	137	★★★★	\$60,485/yr	-3.6%	40	Associate's degree
Mechanical Engineers	162	★★★★	\$75,158/yr	0.3%	100	Bachelor's degree
Mechanical Drafters	233	★★★	\$51,965/yr	-13.2%	10	Associate's degree
Health and Safety Engineers, Except Mining Safety	247	★★★	\$103,915/yr	7.7%	0	Bachelor's degree
Electronics Engineers, Except Computer	280	★★★	\$110,345/yr	-15.2%	20	Bachelor's degree
Biomedical Engineers	309	★★	\$102,601/yr	14.7%	40	Bachelor's degree
Electrical Engineers	323	★★	\$101,729/yr	-9.8%	20	Bachelor's degree
Mechanical Engineering Technicians	335	★★	\$60,972/yr	0.7%	30	Associate's degree
Electrical and Electronics Drafters	340	★★	\$55,128/yr	-14.3%	0	Associate's degree
Electro-Mechanical Technicians	341	★★	\$56,819/yr	0.0%	0	Associate's degree
Administration						
Financial Managers	41	★★★★★	\$102,071/yr	4.7%	240	Bachelor's degree
Human Resources Managers	121	★★★★	\$91,376/yr	6.5%	90	Bachelor's degree
Marketing Managers	142	★★★★	\$114,555/yr	8.8%	110	Bachelor's degree
Purchasing Managers	158	★★★★	\$100,033/yr	3.1%	40	Bachelor's degree
Sales Managers	246	★★★	\$99,209/yr	1.6%	190	Bachelor's degree
Transportation, Storage, and Distribution Managers	392	★	\$83,352/yr	0.0%	20	Bachelor's degree
Accountants and Auditors	61	★★★★★	\$60,066/yr	8.0%	490	Bachelor's degree
Human Resources Specialists	72	★★★★★	\$52,462/yr	5.0%	250	Bachelor's degree
Market Research Analysts and Marketing Specialists	76	★★★★★	\$52,362/yr	9.7%	120	Bachelor's degree



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Training and Development Specialists	81	★★★★★	\$67,488/yr	5.9%	110	Bachelor's degree
Purchasing Agents, Except Wholesale, Retail, and F	128	★★★★	\$53,858/yr	-6.7%	120	Bachelor's degree
Financial Analysts	138	★★★★	\$78,797/yr	12.8%	90	Bachelor's degree
Cost Estimators	156	★★★★	\$56,418/yr	2.7%	80	High school diploma or equivalent
Logisticians	182	★★★★	\$57,749/yr	9.7%	40	Bachelor's degree
Compensation, Benefits, and Job Analysis Specialis	214	★★★	\$63,485/yr	9.5%	30	Bachelor's degree
Labor Relations Specialists	288	★★	\$71,386/yr	-25.6%	40	Bachelor's degree
Credit Analysts	294	★★	\$59,515/yr	-1.1%	40	Bachelor's degree
Buyers and Purchasing Agents, Farm Products	351	★★	\$61,644/yr	6.5%	0	Bachelor's degree
Sales Representatives, Wholesale and Manufacturing	334	★★	\$73,677/yr	-0.5%	40	Bachelor's degree
Sales Engineers	354	★★	\$77,696/yr	-9.8%	10	Bachelor's degree
Bookkeeping, Accounting, and Auditing Clerks	34	★★★★★	\$38,766/yr	-9.7%	340	High school diploma or equivalent
Office Clerks, General	35	★★★★★	\$33,265/yr	0.3%	940	High school diploma or equivalent
Shipping, Receiving, and Traffic Clerks	67	★★★★★	\$31,720/yr	-9.2%	230	High school diploma or equivalent
Executive Secretaries and Executive Administrative	90	★★★★★	\$47,643/yr	-3.3%	180	High school diploma or equivalent
Customer Service Representatives	201	★★★	\$31,985/yr	4.1%	1,210	High school diploma or equivalent
Production, Planning, and Expediting Clerks	207	★★★	\$42,956/yr	-1.0%	70	High school diploma or equivalent
Computer Operators	232	★★★	\$48,600/yr	-6.9%	0	High school diploma or equivalent
Credit Authorizers, Checkers, and Clerks	245	★★★	\$39,183/yr	0.0%	0	High school diploma or equivalent
Procurement Clerks	261	★★★	\$39,686/yr	-7.8%	50	High school diploma or equivalent
Switchboard Operators, Including Answering Service	263	★★★	\$36,972/yr	-26.4%	10	High school diploma or equivalent
Human Resources Assistants, Except Payroll and Tim	284	★★★	\$40,525/yr	-1.7%	30	High school diploma or equivalent
Receptionists and Information Clerks	306	★★	\$28,276/yr	5.6%	500	High school diploma or equivalent
Bill and Account Collectors	367	★★	\$40,278/yr	-6.2%	50	High school diploma or equivalent
File Clerks	368	★★	\$33,843/yr	1.6%	40	High school diploma or equivalent
Software Developers, Applications	38	★★★★★	\$88,624/yr	9.6%	340	Bachelor's degree
Software Developers, Systems Software	39	★★★★★	\$91,447/yr	-15.0%	180	Bachelor's degree
Computer Programmers	44	★★★★★	\$98,723/yr	0.5%	100	Bachelor's degree
Network and Computer Systems Administrators	87	★★★★★	\$71,878/yr	5.3%	100	Bachelor's degree
Computer Network Support Specialists	141	★★★★	\$55,057/yr	-8.5%	30	Associate's degree
Information Security Analysts	155	★★★★	\$105,777/yr	3.8%	0	Bachelor's degree
Database Administrators	174	★★★★	\$89,826/yr	9.1%	30	Bachelor's degree
Web Developers	339	★★	\$54,656/yr	8.0%	40	Bachelor's degree