



Production Occupations

| | |
|---------|--|
| 51-1011 | First-Line Supervisors of Production and Operating Workers |
| 51-2022 | Electrical and Electronic Equipment Assemblers |
| 51-2031 | Engine and Other Machine Assemblers |
| 51-2041 | Structural Metal Fabricators and Fitters |
| 51-4035 | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic |
| 51-4041 | Machinists |
| 51-4081 | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic |
| 51-4111 | Tool and Die Makers |
| 51-4121 | Welders, Cutters, Solderers, and Brazers |
| 51-9011 | Chemical Equipment Operators and Tenders |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers |

Visit https://www.bls.gov/soc/major_groups.htm for more information.

Emsi Q1 2017 Data Set

March 2017

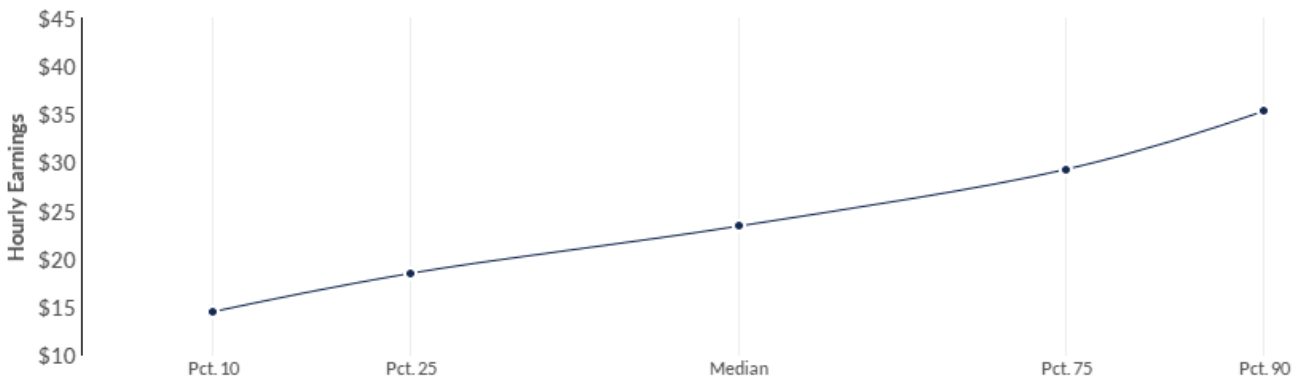
Sonoma County Economic Development Board



Percentile Earnings

Presented below are the salary ranges for the occupations included in this report. In general, the 25th percentile earnings represent the wage one might expect to receive at an entry level position for a given occupation if they have the appropriate skills, training, and certifications. Wage growth could be expected to follow the path depicted in the graph as the employee successfully completes job training and gains experience in the occupation. A more detailed explanation of percentile earnings can be found here: <https://admin.utep.edu/Default.aspx?tabid=6726>

| | | |
|--|---|--|
| <p>\$18.47/hr</p> <p>25th Percentile Earnings</p> | <p>\$23.37/hr</p> <p>Median Earnings</p> | <p>\$29.29/hr</p> <p>75th Percentile Earnings</p> |
|--|---|--|



| Occupation | 25th Percentile Earnings | Median Earnings | 75th Percentile Earnings |
|--|--------------------------|-----------------|--------------------------|
| First-Line Supervisors of Production and Operating Workers (51-1011) | \$22.39 | \$28.24 | \$34.75 |
| Electrical and Electronic Equipment Assemblers (51-2022) | \$16.01 | \$20.32 | \$25.58 |
| Engine and Other Machine Assemblers (51-2031) | \$18.55 | \$23.44 | \$30.32 |
| Structural Metal Fabricators and Fitters (51-2041) | \$21.79 | \$26.10 | \$28.45 |
| Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035) | \$15.36 | \$19.68 | \$24.06 |
| Machinists (51-4041) | \$19.97 | \$24.68 | \$28.40 |
| Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081) | \$15.18 | \$19.53 | \$24.40 |
| Tool and Die Makers (51-4111) | \$18.60 | \$24.03 | \$29.34 |
| Welders, Cutters, Solderers, and Brazers (51-4121) | \$15.85 | \$20.04 | \$25.22 |
| Chemical Equipment Operators and Tenders (51-9011) | \$15.27 | \$20.10 | \$26.58 |
| Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061) | \$15.50 | \$20.15 | \$27.83 |

Occupation Age Breakdown



| Age | 2016 Jobs | 2016 Percent |
|-------|-----------|--------------|
| 14-18 | 5 | 0.2% |
| 19-24 | 117 | 4.9% |
| 25-34 | 416 | 17.3% |
| 35-44 | 532 | 22.2% |
| 45-54 | 681 | 28.4% |
| 55-64 | 524 | 21.8% |
| 65+ | 124 | 5.2% |

Industries Employing Production Occupations

| Industry | Occupation Group Jobs in Industry (2016) | % of Occupation Group in Industry (2016) | % of Total Jobs in Industry (2016) |
|---|--|--|------------------------------------|
| Wineries | 237 | 9.9% | 3.3% |
| Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals | 181 | 7.5% | 12.8% |
| Semiconductor and Related Device Manufacturing | 95 | 4.0% | 18.5% |
| Optical Instrument and Lens Manufacturing | 83 | 3.4% | 14.9% |
| Temporary Help Services | 78 | 3.2% | 2.8% |

Most Relevant Hard Skills

| Skill | Skill | Skill |
|--------------------------------|---|-----------------------------------|
| Microassemblers | Cutting Tool (Machining) | Soldering |
| Wire Bonding | Electronic Dance Music (EDM) | Injection Molding |
| Lithography | Hazard Analysis And Critical Control Points | Machining |
| Bench Grinders | Bandsaws | Good Manufacturing Practices |
| Employability | Grinding | Manufacturing Operations |
| Carbon Steel | Production Line | Computer-Aided Manufacturing |
| Ammonia | Cleanrooms | Production Management |
| Electrical Discharge Machining | Gas Tungsten Arc Welding | Metal Fabrication |
| Acupuncture | Chiropractics | Predictive Maintenance |
| Visual Inspections | Material Safety Data Sheet | Export Administration Regulations |
| Landscape Architecture | Metal Inert Gas (MIG) Welding | Molding |
| Natural Resource Management | Lamination (Flooring) | Inform |
| Dimensioning | Drill Press | Confined Spaces |
| Solder | Sheet Metal | Computer Numerical Control (CNC) |
| Environmental Studies | Work Order | Lathes |
| Mechanical Assembly | Torque (Physics) | Oil/Gas |
| Gas Metal Arc Welding | Forming | |

Most Relevant Soft Skills

| Skill | Skill |
|------------------|---------------------------------|
| Active Listening | Coordinating |
| Listening Skills | Leadership |
| Reliability | Listening |
| Cleanliness | Scheduling (Project Management) |
| Ethics | Leading |
| Learning | |

Top Companies Job Postings

Jan. 2017 - Feb. 2017

| Company | Total/Unique Postings | Company | Total/Unique Postings |
|-------------------------------------|-----------------------|--|-----------------------|
| Volt Information Sciences, Inc. | 159 / 25 | The Wine Group LLC | 4 / 2 |
| Manpower Group International Inc | 64 / 14 | Thermo Fisher Scientific Inc. | 6 / 2 |
| Perdue Farms Inc | 165 / 13 | Westec Tank & Equipment Co. | 9 / 2 |
| Constellation Brands, Inc. | 21 / 7 | ATW Companies, Inc. | 5 / 1 |
| Amy's Kitchen Inc | 18 / 5 | Adecco S.A. | 2 / 1 |
| Manpower Inc. | 10 / 5 | Appleone | 2 / 1 |
| Aerotek | 27 / 4 | Bio- Rad Laboratories, Inc. | 2 / 1 |
| Keysight Technologies, Inc. | 14 / 4 | CDI Corp. | 3 / 1 |
| Klein Management Systems, Inc | 9 / 4 | Clos Du Bois Wines Inc | 2 / 1 |
| Rose International, Inc | 8 / 3 | ITT Corporation | 3 / 1 |
| Selective Staffing Services Inc | 15 / 3 | Innerstave, LLC | 2 / 1 |
| Star Staffing Services Inc | 9 / 3 | Jeff Luchetti Construction | 9 / 1 |
| TriMas Corporation | 6 / 3 | John B. Sanfilippo & Son, Inc. | 3 / 1 |
| AlSCO, Inc. | 9 / 2 | Justice | 6 / 1 |
| Conservation Corps North Bay, Inc. | 9 / 2 | Lem U.S.A., Inc. | 5 / 1 |
| Employment Solutions Management Inc | 9 / 2 | Manzana Products Co., Inc. | 2 / 1 |
| Gundlach Bundschu Warehouse | 4 / 2 | Micro-Vu Corporation of California | 6 / 1 |
| Innovative Molding | 7 / 2 | Ray Mart, Inc. | 2 / 1 |
| Jackson Family Wines, Inc. | 4 / 2 | Ryder System, Inc. | 6 / 1 |
| Kavaliro | 10 / 2 | Ste Michelle Wine Estate Ltd | 3 / 1 |
| Kelly Scientific Resources | 6 / 2 | Superior Group, Inc. | 3 / 1 |
| National Guard | 31 / 2 | Target Corporation | 5 / 1 |
| Sandvik Coromant Company | 4 / 2 | Things Remembered | 3 / 1 |
| Taylor Nelson Sofres plc | 4 / 2 | Veolia | 3 / 1 |
| | | Veolia Water North America Operating Services, LLC | 6 / 1 |

Appendix A - Data Sources and Calculations

The Sonoma County Economic Development Board (EDB) prepares custom EDB Job Market Tracker Reports to provide insights into current workforce demands of the local economy by analyzing online job posting data and historical job data. Data used to inform the development of this report was collected by the EDB from the data provider Economic Modeling Specialists, Inc. (Emsi), a labor market database that compiles job postings from national, public, and corporate sources. If you have any questions, please contact the EDB at 707-565-7170.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

State Data Sources

This report uses state data from the following agencies: California EDD Labor Market Information Division