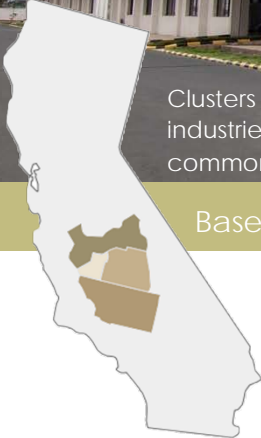


# MANUFACTURING

## Industry Cluster Profile



Clusters are geographic concentrations of firms and industries that do business with each other and have common needs for talent, technology, and infrastructure.

Based on labor market information from Tulare, Kings, Kern, and Fresno Counties\*

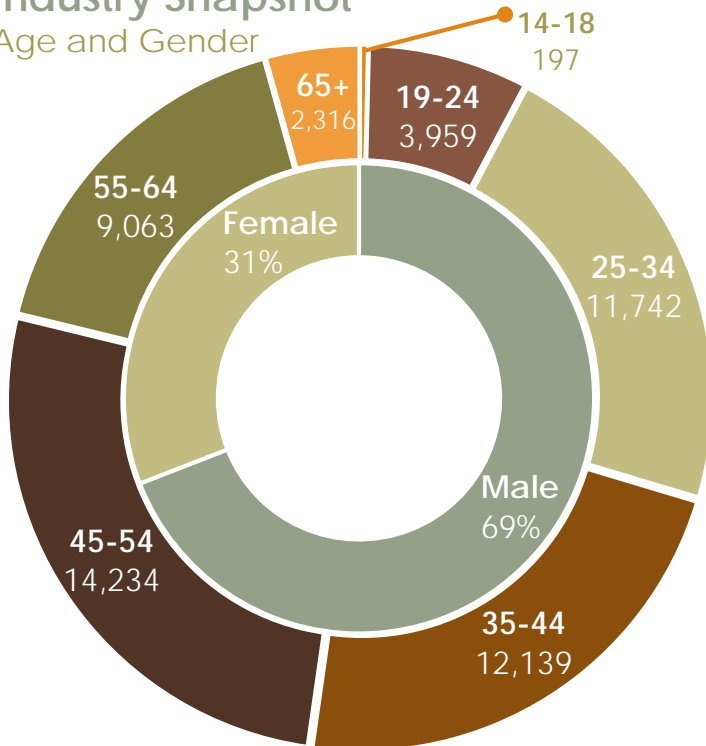
**53,650**  
Jobs

**+7.6%**  
Since 2010

**\$60,858**  
Average Earnings

### Industry Snapshot

Age and Gender



**20,845** Job Openings in 2015

### Top In Demand Occupation Groups

Filters: Median Hourly Earnings or Equal to \$16.00, Employed in Industry Group (2015) Greater or Equal to 50

Group	Sample Careers	Annual Openings
Office and Administrative Support	Administrative Assistants Bookkeeping Production Clerk Payroll Clerk	825
Management	Operations Managers Sales Managers Financial Managers	700
Transportation and Material Moving Occupations	Heavy Tractor-Trailer Op. Supervisor of Labor Supervisor of Transportation	669
Installation, Maintenance, and Repair	Maintenance and Repair Industrial Machinery Mech. Supervisor of Mechanics	658
Business and Financial	Accountant and Auditor Business Operations Cost Estimator	519

#### \*Industry Data

Industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

#### Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment statistics.



## Top 5 Highest Employed Manufacturing Jobs by Typical Education Level

Workforce Investment Board  
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No Formal Education		Employed in Industry in 2016	Median Wage
1	Industrial Truck and Tractor Operators	1866	13.19
2	Slaughterers and Meat Packers	1473	12.00
3	Helpers--Production Workers	1706	11.16
4	Laborers and Freight, Stock, and Material Movers, Hand	2271	11.01
5	Packers and Packagers, Hand	2275	9.79

High School Diploma or Equivalent		Employed in Industry in 2016	Median Wage
1	First-Line Supervisors of Production and Operating Workers	1673	26.70
2	Inspectors, Testers, Sorters, Samplers, and Weighers	1463	15.08
3	Food Batchmakers	1514	14.13
4	Packaging and Filling Machine Operators and Tenders	2464	13.07
5	Team Assemblers	1731	12.83

Postsecondary Non-Degree (Certification or Training)		Employed in Industry in 2016	Median Wage
1	Aircraft Mechanics and Service Technicians	55	27.41
2	Electrical and Electronics Repairers, Commercial and Industrial Equ	80	26.12
3	Computer User Support Specialists	69	23.58
4	Heavy and Tractor-Trailer Truck Drivers	987	18.86
5	Prepress Technicians and Workers	53	14.64

Associate's Degree		Employed in Industry in 2016	Median Wage
1	Electrical and Electronics Engineering Technicians	152	36.41
2	Engineering Technicians, Except Drafters, All Other	56	34.79
3	Human Resources Assistants, Except Payroll and Timekeeping	80	19.77
4	Chemical Technicians	104	18.12
5	Agricultural and Food Science Technicians	252	17.24

Bachelor's or Master's Degree		Employed in Industry in 2016	Median Wage
1	Industrial Engineers	411	50.14
2	General and Operations Managers	866	42.42
3	Industrial Production Managers	707	41.59
4	Sales Managers	268	38.25
5	Accountants and Auditors	244	29.57

Doctoral or Professional Degree		Employed in Industry in 2016	Median Wage
1			
2			
3			
4			
5			