



The Sacramento region's **manufacturing** sector has



jobs in the 7-county Sacramento region.



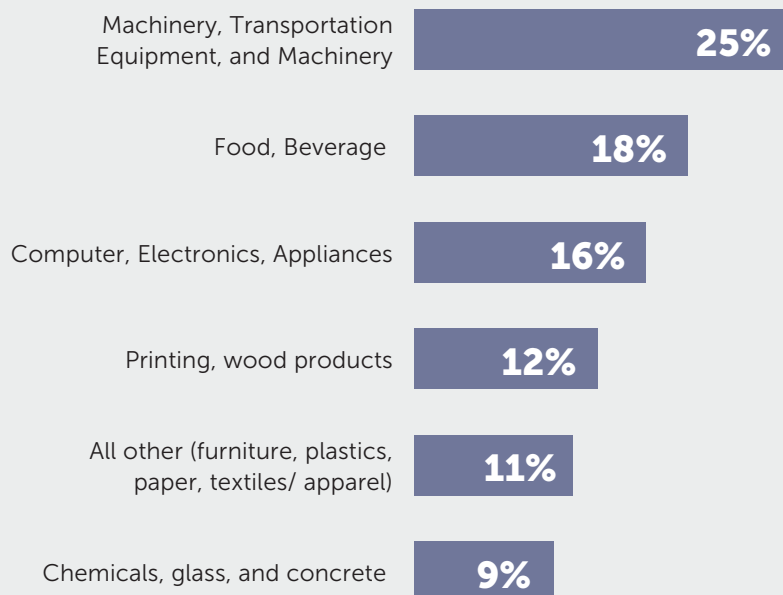
There were nearly

**10,000**

job postings for manufacturing positions in the Sacramento region in the last year.

## Advanced Manufacturing sector employment by industry

Manufacturing employment is divided among these categories:

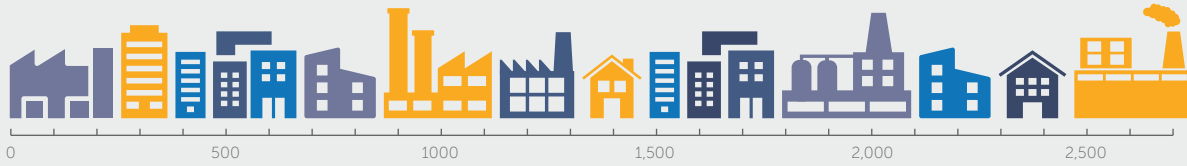


The Sacramento region has a diverse manufacturing economy with companies in many types of industries including:

- 225** Commercial printers/ screeners
- 190** Bakeries
- 140** Sign manufacturers
- 140** Wineries
- 130** Machine shops
- 120** Kitchen cabinet and countertop manufacturers
- 80** Dental laboratories
- 65** Breweries
- 20** Petroleum Refineries

# The Sacramento Advanced Manufacturing sector

The Sacramento region has more than **2,700** manufacturing companies



Most manufacturing companies are **small businesses**.  
In the Sacramento region:



**50%** have < 5 employees

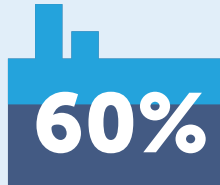


**94%** have < 50 employees

Source: InfoGroup, Reference USA, 2018

## Hiring challenges in the Advanced Manufacturing sector

Numerous reports note that U.S. manufacturing employers have enormous **challenges recruiting and hiring skilled workers**.



of manufacturing employers nationwide said they have **moderate or extreme difficulty** recruiting skilled workers for advanced technology operations.

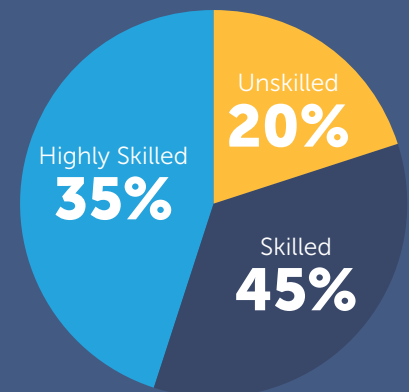
Source: PwC and Manufacturing Institute, "Upskilling Manufacturing," June 2016

## Hardest-to-fill positions in the Sacramento region in the last year

Job Title
Production workers
Manufacturing machine operators
Electrical and mechanical engineers
Field service technicians
Maintenance and repair workers
Project managers
Software developers and engineers
Bookkeeping
Business management/analysts
Sales and account reps
Forklift operators
Customer service reps
Truck drivers

Source: Burning Glass, Labor Insight, 2018.4

A 2014 employer survey by Accenture revealed that **80%** of U.S. manufacturing jobs are skilled or highly skilled



Source: Accenture 2014 Manufacturing Skills and Training Study

# Occupations to train for, wages and openings – Sacramento region

What jobs can I train for?

How many job openings will there be each year?

● Entry-Level  
25th percentile

○ Median  
50th percentile

○ Experienced  
75th percentile

Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products

875

\$20  \$36

Industrial Machinery Mechanics

153

\$22  \$36

Machinists

137

\$17  \$30

Electrical and Electronics Engineering Technicians

116

\$21  \$40

Maintenance Workers, Machinery

38

\$17  \$30

Chemical Equipment Operators and Tenders

36

\$27  \$38

Mechanical Drafters

26

\$22  \$32

Source: EMSI, 2018.4, 7-county region. Annual openings are for 5-year occupational projections, 2017-2022.



The manufacturing workforce is **significantly more educated** than it was fifteen years ago.



Most manufacturing job postings ask for **0 to 2 years** of experience or **3 to 5 years** of experience.

**+23%**

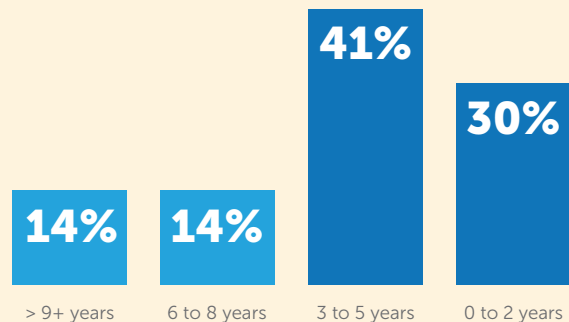
The percentage increase of U.S. manufacturing workers with an **academic associate degree**, 2000–2016.

**+35%**

The percentage increase of U.S. manufacturing workers with a **post-secondary degree**, 2000–2016.

**-46%**

The percentage decline of U.S. manufacturing workers **without a high school diploma**, 2000–2016.



## Community college education and training programs

Welding

Manufacturing and Industrial Technology

Mechatronics

Mechanical, Architectural Drafting

Aeronautical and Aviation technology

Automotive and diesel technology

Civil and Construction Management

Computer Information Systems

Computer Programming

Construction Technology

Electronics and Electric Technology

Engineering for transfer

Industrial Electronics

Industrial Systems Technology

Sheet Metal and Structural Metal

Mechanical and Electrical Technology

## Where can I find training for Advanced Manufacturing sector careers?

### Sacramento region community colleges



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