

# EMSI



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## Program Report



Economic Modeling Specialists, Inc. [www.economicmodeling.com](http://www.economicmodeling.com)

# EMSI

## Region Info

Region: San Francisco larger MSA

County Areas: Alameda, California (6001), Contra Costa, California (6013), Marin, California (6041), San Francisco, California (6075), San Mateo, California (6081), Santa Clara, California (6085)

## Executive Summary

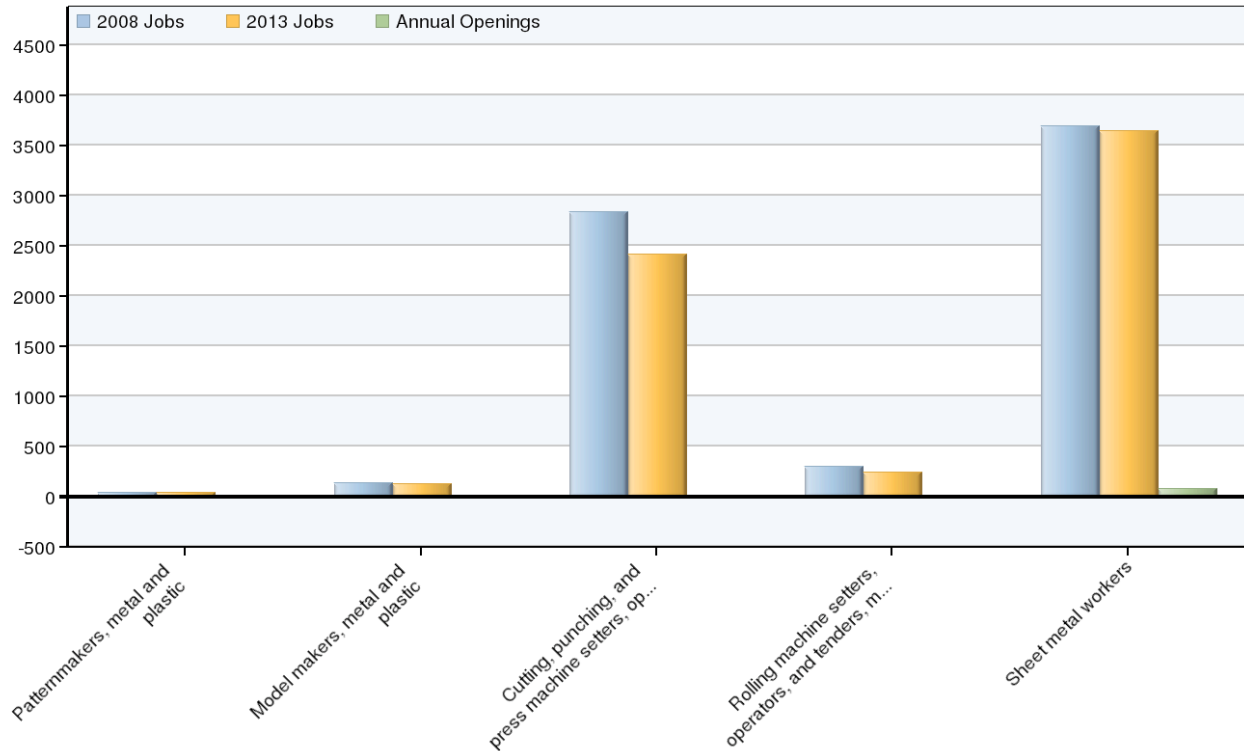
Program
Sheet Metal and Structural Metal (TOP 0956.40)

Program Occupations
Sheet metal workers (SOC 47-2211)
Rolling machine setters, operators, and tenders, metal and plastic (SOC 51-4023)
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic (SOC 51-4031)
Model makers, metal and plastic (SOC 51-4061)
Patternmakers, metal and plastic (SOC 51-4062)

Summary	
2008 Occupational Jobs	6,999
2013 Occupational Jobs	6,460
Total Change	-537
Total % Change	-8%
2009 Median Hourly Earnings/Worker	\$22.30
Annual Openings	88
Total Replacement Jobs	978

Source: EMSI Complete Employment - Spring 2009

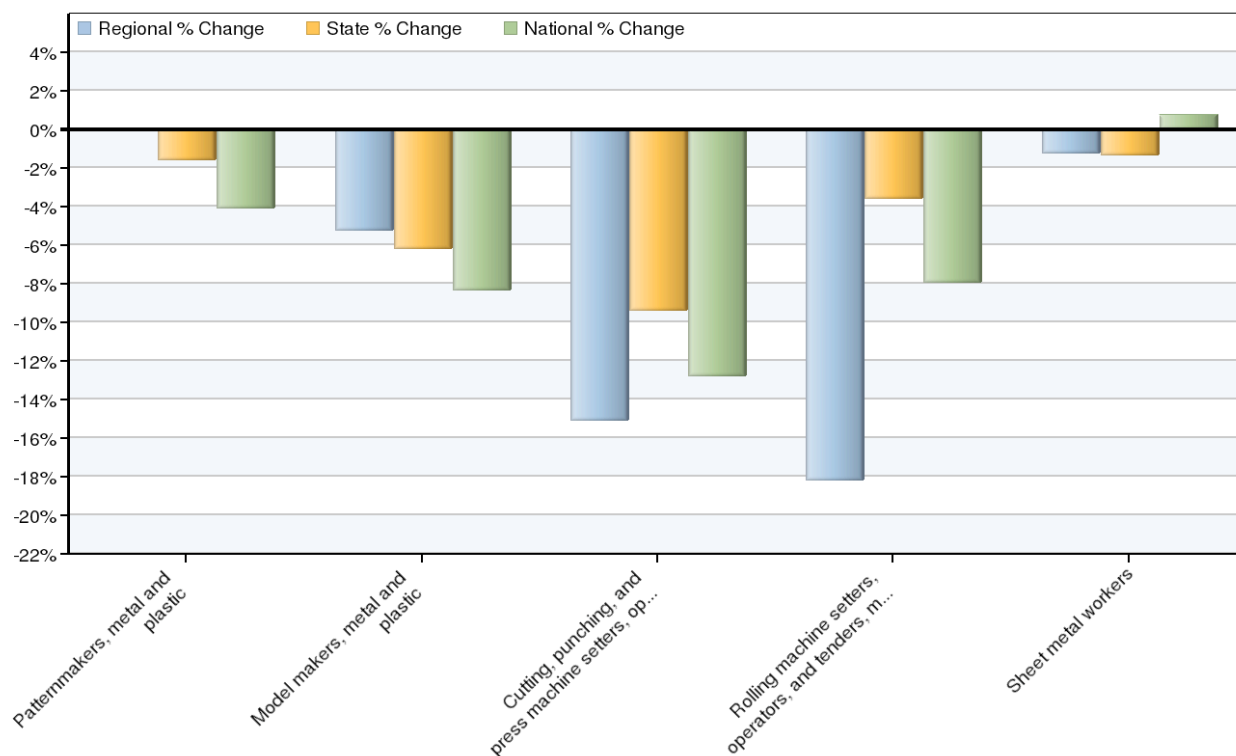
## Occupational Breakdown



SOC Code	Description	2008 Jobs	2013 Jobs	Annual Openings	Replacement Jobs	Hourly Earnings	Education Level
51-4062	Patternmakers, metal and plastic	42	42	1	6	\$22.71	Moderate-term on-the-job training
51-4061	Model makers, metal and plastic	133	126	2	19	\$16.79	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	2,838	2,409	14	497	\$14.85	Moderate-term on-the-job training
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	297	243	-2	42	\$15.85	Moderate-term on-the-job training
47-2211	Sheet metal workers	3,688	3,641	73	414	\$28.56	Long-term on-the-job training
	Total	6,999	6,460	88	978	\$22.30	

Source: EMSI Complete Employment - Spring 2009

## Occupational Change



SOC Code	Description	Regional Change	Regional % Change	State % Change	National % Change
51-4062	Patternmakers, metal and plastic	0	0%	-2%	-4%
51-4061	Model makers, metal and plastic	-7	-5%	-6%	-8%
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	-429	-15%	-9%	-13%
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	-54	-18%	-4%	-8%
47-2211	Sheet metal workers	-47	-1%	-1%	1%

Source: EMSI Complete Employment - Spring 2009

## Occupation Distribution



County	2008 Jobs
Santa Clara, CA (6085)	3,143
Alameda, CA (6001)	1,784
San Mateo, CA (6081)	836
Contra Costa, CA (6013)	562
San Francisco, CA (6075)	489
Marin, CA (6041)	185

Source: EMSI Complete Employment - Spring 2009

## Data Sources and Calculations

### Occupation Data

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

### State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department.