Machinists
in 3 Texas Counties

Contents

What is Emsi Data?

Machinists (SOC 51-4041):
Set up and operate a variety of machine tools to produce precision parts and instruments out of metal. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, mathematics, metal properties, layout, and machining procedures. Machinists who primarily program or operate computer numerically controlled (CNC) equipment are classified in Computer Numerically Controlled Tool Operators and Programmers (51-9160).

Sample of Reported Job Titles:
Machinist
Maintenance Machinist
Tool Room Machinist
Tool and Die Machinist
Production Machinist
Manual Lathe Machinist
Gear Machinist
CNC Machinist (Computer Numerically Controlled Machinist)
CNC Machinist (Computer Numeric Controlled Machinist)
Set-Up Operator

Related O*NET Occupation:
Machinists (51-4041.00)

Emsi data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Emsi data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.

Report Parameters

1 Occupation

51-4041	Machinists

3 Counties

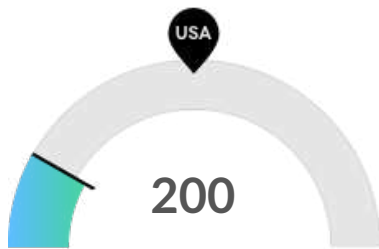|				
48215	Hidalgo County, TX		48489	Willacy County, TX
48427	Starr County, TX			

Class of Worker

QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen occupation and geographical areas.
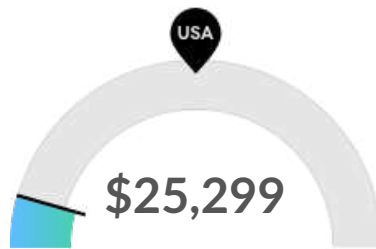
Executive Summary

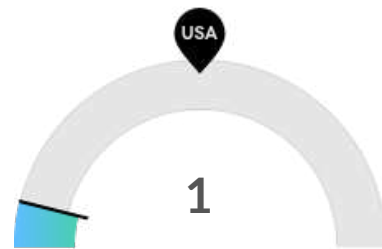## Light Job Posting Demand Over a Thin Supply of Regional Jobs

200

Jobs (2020)

Your area is not a hotspot for this kind of job. The national average for an area this size is 770* employees, while there are 200 here.

$25,299

Compensation

Earnings are low in your area. The national median salary for Machinists is $44,348, compared to $25,299 here.

1

Job Posting Demand

Job posting activity is low in your area. The national average for an area this size is 9* job postings/mo, while there is 1 here.

*National average values are derived by taking the national value for Machinists and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Jobs

Regional Employment Is Lower Than the National Average

An average area of this size typically has 770* jobs, while there are 200 here. This lower than average supply of jobs may make it more difficult for workers in this field to find employment in your area.
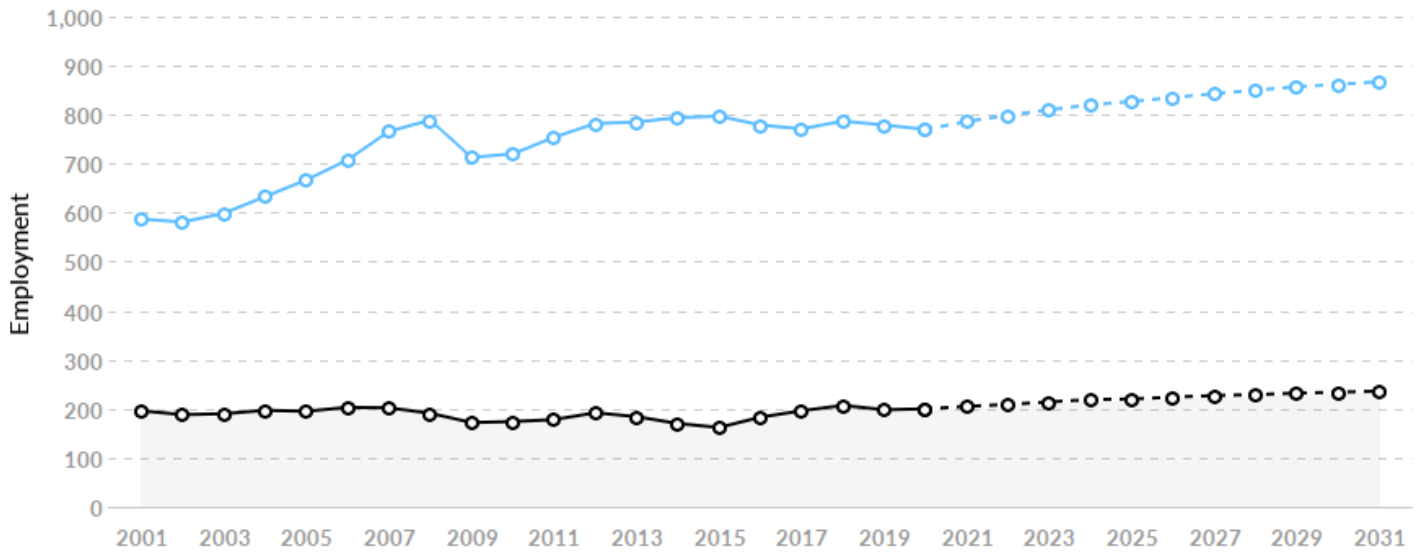
	Region	2020 Jobs	2030 Jobs	Change	% Change
●	3 Texas Counties	200	234	34	16.9%
●	National Average	770	862	92	12.0%

*National average values are derived by taking the national value for Machinists and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Regional Breakdown

County	2020 Jobs
Hidalgo County, TX	194
Starr County, TX	<10
Willacy County, TX	<10

Most Jobs are Found in the Aerospace Product and Parts Manufacturing Industry Sector
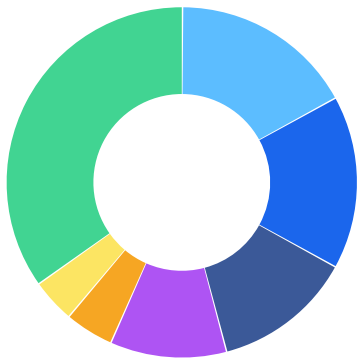
Industry	% of Occupation in Industry (2020)
● Aerospace Product and Parts Manufacturing	16.9%
● Metalworking Machinery Manufacturing	16.0%
● Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	12.9%
● Employment Services	10.8%
● Federal Government, Civilian	4.5%
● Architectural and Structural Metals Manufacturing	4.0%
● Other	34.9%

Compensation

Regional Compensation Is 43% Lower Than National Compensation

For Machinists, the 2019 median wage in your area is $25,299, while the national median wage is $44,348.
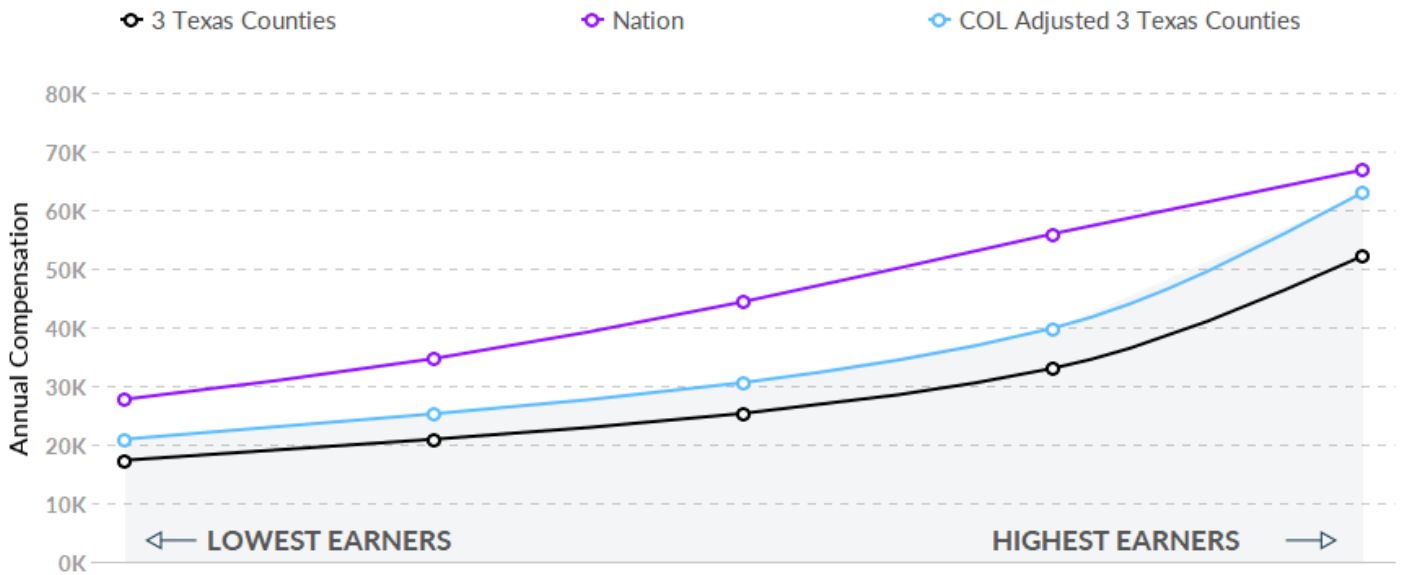
Job Posting Activity

16 Unique Job Postings

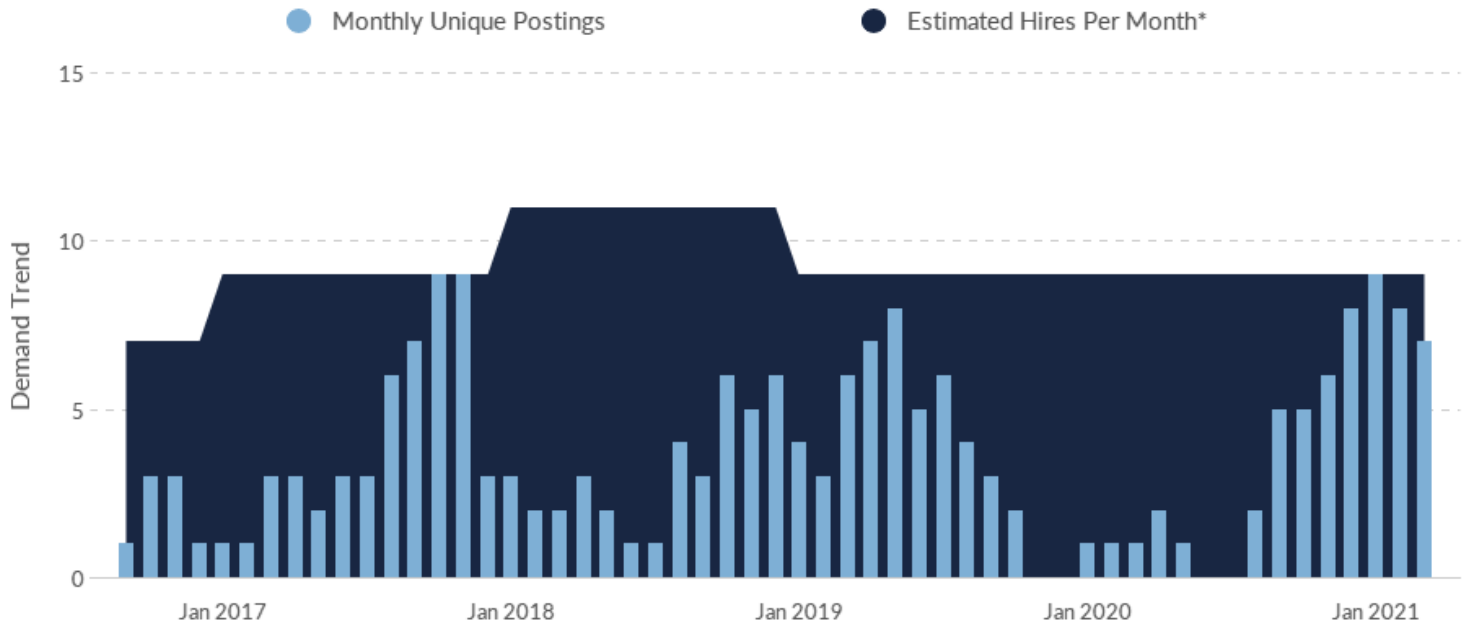The number of unique postings for this job from Jan 2020 to Mar 2021.

7 Employers Competing

All employers in the region who posted for this job from Jan 2020 to Mar 2021.

31 Day Median Duration

Posting duration is 2 days shorter than what's typical in the region.

● Monthly Unique Postings   ● Estimated Hires Per Month*

Occupation	Avg Monthly Postings (Jan 2020 - Mar 2021)	Avg Monthly Hires (Jan 2020 - Mar 2021)
Machinists	4	9

*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Emsi hires are calculated using a combination of Emsi jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

Top Companies	Unique Postings		Top Job Titles	Unique Postings	
Stanley Black & Decker, Inc.	5		Mold Makers Apprentice	5	
Diedre Moire Corporation, Inc	3		CNC Machinists	2	
AppleOne	2		Journeyman Machinists	2	
Goodman Recruiting	1		Machinists	2	
National Aerospace Solutions, L...	1		CNC Lathe Programmers	1	
Regal Beloit Corporation	1		CNC Machinists and Programmer	1	
Stanley Access Technologies LLC	1		Mold Makers	1	
			Outside Machinists	1	
			Tool and Die Technicians	1	

Top Hard Skills

● Frequency in Job Postings   ● Frequency in Profiles
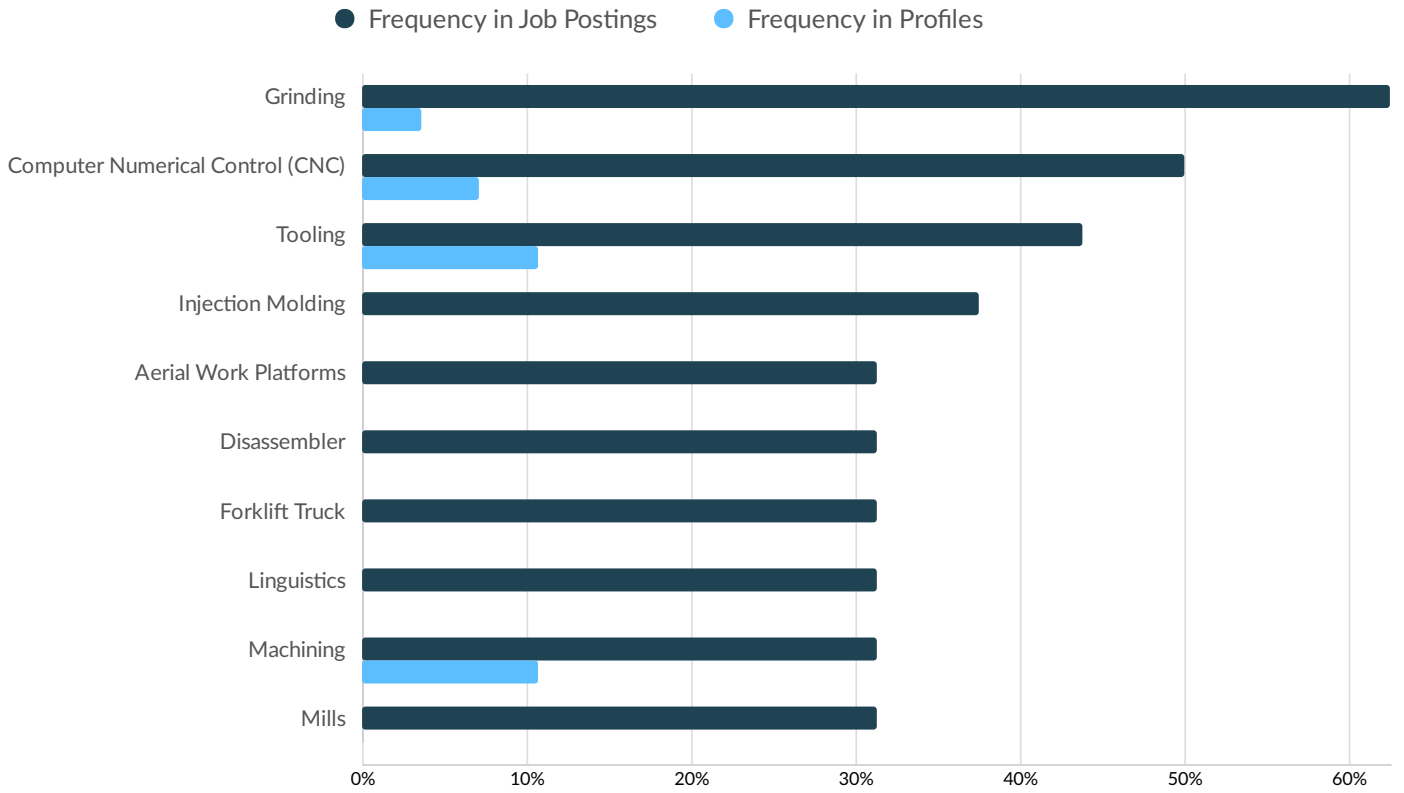
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Grinding	10	63%	1	4%
Computer Numerical Control (CNC)	8	50%	2	7%
Tooling	7	44%	3	11%
Injection Molding	6	38%	0	0%
Aerial Work Platforms	5	31%	0	0%
Disassembler	5	31%	0	0%
Forklift Truck	5	31%	0	0%
Linguistics	5	31%	0	0%
Machining	5	31%	3	11%
Mills	5	31%	0	0%

Top Common Skills

● Frequency in Job Postings   ● Frequency in Profiles
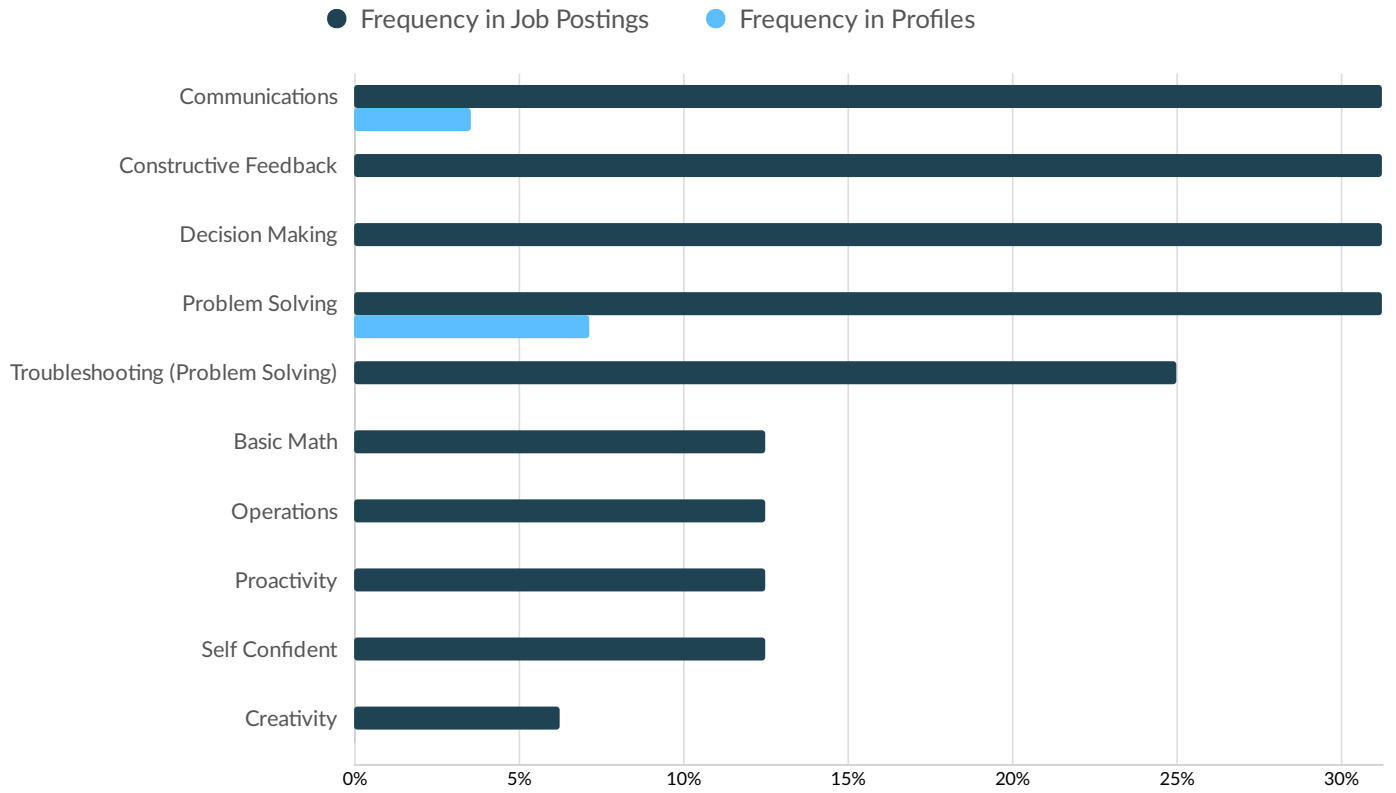
| Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	5	31%	1	4%
Constructive Feedback	5	31%	0	0%
Decision Making	5	31%	0	0%
Problem Solving	5	31%	2	7%
Troubleshooting (Problem Solving)	4	25%	0	0%
Basic Math	2	13%	0	0%
Operations	2	13%	0	0%
Proactivity	2	13%	0	0%
Self Confident	2	13%	0	0%
Creativity	1	6%	0	0%

Demographics

Retirement Risk Is Low, While Reliable Diversity Information Is Not Available

55
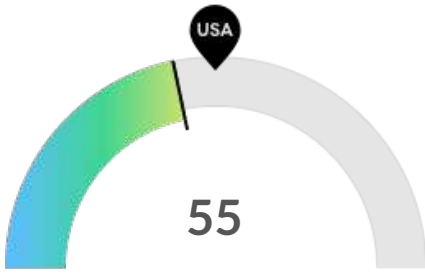
Retiring Soon

Retirement risk is low in your area. The national average for an area this size is 67* employees 55 or older, while there are 55 here.

152
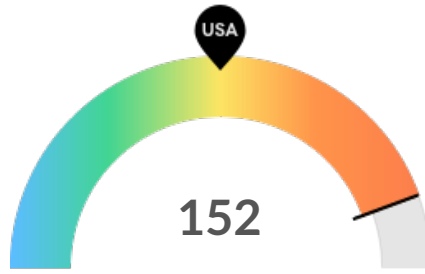
Racial Diversity

Racial diversity is high in your area. The national average for an area this size is 48* racially diverse employees, while there are 152 here.

N/A

Gender Diversity

Reliable gender diversity information is not available in your area, because there are too few employees.

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Occupation Age Breakdown
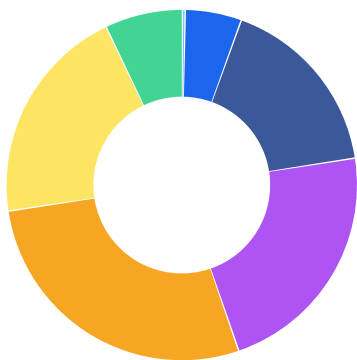
	% of Jobs	Jobs
14-18	0.2%	0
19-24	5.2%	10
25-34	17.0%	34
35-44	22.2%	44
45-54	27.9%	56
55-64	20.3%	41
65+	7.2%	14

Occupation Race/Ethnicity Breakdown
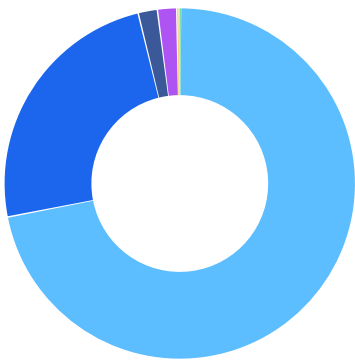
	% of Jobs	Jobs
● Hispanic or Latino	71.9%	144
● White	24.2%	49
● Black or African American	1.8%	4
● Asian	1.8%	4
● Two or More Races	0.2%	0
● American Indian or Alaska Native	0.1%	0
● Native Hawaiian or Other Pacific Islander	0.0%	0

Occupation Gender Breakdown
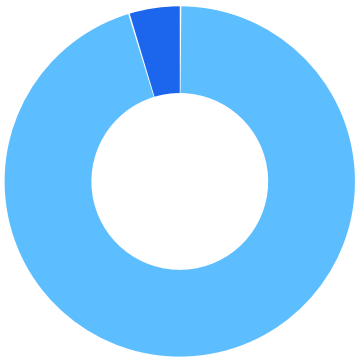
	% of Jobs	Jobs
● Males	95.2%	191
● Females	4.8%	10

National Educational Attainment
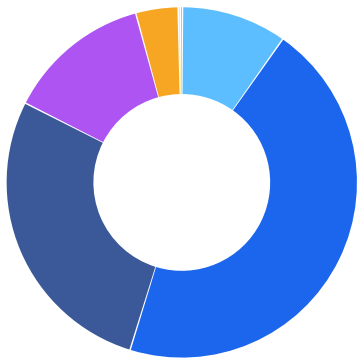
		% of Jobs
🔵	Less than high school diploma	9.7%
🔵	High school diploma or equivalent	45.0%
🔵	Some college, no degree	27.7%
🟣	Associate's degree	13.3%
🟠	Bachelor's degree	3.9%
🟡	Master's degree	0.2%
🟢	Doctoral or professional degree	0.2%

Occupational Programs

1 Program

Of the programs that can train for this job, 1 has produced completions in the last 5 years.

1 Completion (2019)

The completions from all regional institutions for all degree types.

20 Openings (2019)

The average number of openings for an occupation in the region is 51.

CIP Code	Top Programs	Completions (2019)
48.0501	Machine Tool Technology/Machinist	1

Top Schools	Completions (2019)
South Texas College	1

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

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.

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.

Cost of Living Data

Emsi's cost of living data is based on the Cost of Living Index published by the Council for Community and Economic Research (C2ER).

Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.