

Tool and Die Makers

51-4111.00



Description: Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Die Machinist, Die Repair Laborer, Die Repair Technician (Die Repair Tech)

Job Zone

Title: 3 - Medium Preparation Needed

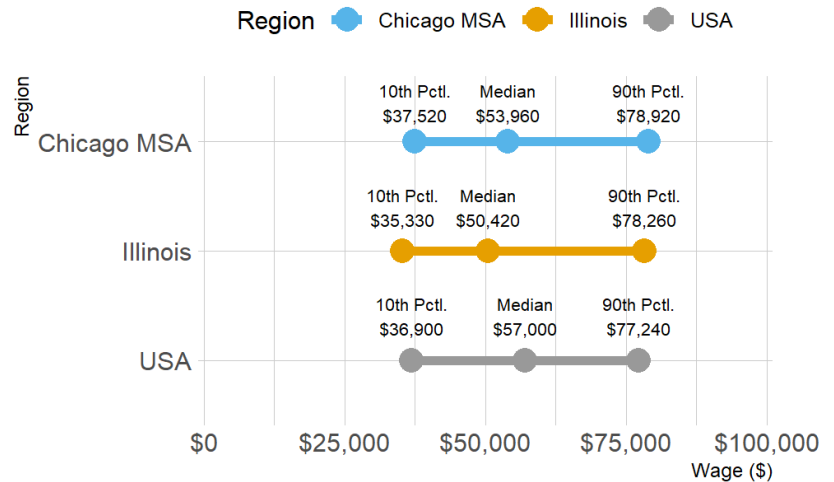
Education: Require training in vocational schools, related on-the-job experience, or an associate's degree.

Experience: Previous work-related skill, knowledge, or experience is required.

Training: One or two years of training involving both on-the-job experience and informal training with experienced workers needed. A recognized apprenticeship program may be associated with these occupations.

Hot Technologies: Autodesk AutoCAD, Autodesk Inventor, Bentley MicroStation, Cimatron CimatronE Master, Dassault Systemes CATIA, Dassault Systemes SolidWorks

Region	Employment	Location Quotient	Median Wage
Chicago MSA	3,340	1.75	\$53,960
Illinois	5,100	2.01	\$50,420
USA	63,630	—	\$57,000



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Verify dimensions, alignments, and clearances of finished parts for conformance to specifications, using measuring instruments such as calipers, gauge blocks, micrometers, or dial indicators.

Hourly or more

91

Set up and operate conventional or computer numerically controlled machine tools such as lathes, milling machines, or grinders to cut, bore, grind, or otherwise shape parts to prescribed dimensions and finishes.

Several times daily

87

Study blueprints, sketches, models, or specifications to plan sequences of operations for fabricating tools, dies, or assemblies.

Daily

84

Visualize and compute dimensions, sizes, shapes, and tolerances of assemblies, based on specifications.

Daily

84

Inspect finished dies for smoothness, contour conformity, and defects.

Daily

82