

Welders, Cutters, Solderers, and Brazers

51-4121.00



Description: Use hand-welding, flame-cutting, hand-soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Other Resources:

[ONET Link](#)
[MyNextMove Link](#)

Sample of Reported Job Titles: Aluminum Welder, Assembly Line Brazer, Brazer

Job Zone

Title: 2 - Some Preparation Needed

Education: Usually require a high school diploma.

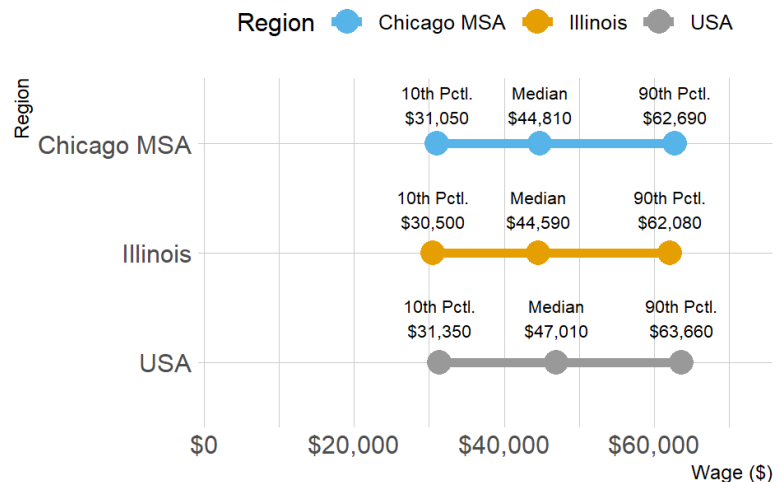
Experience: Some previous work-related skill, knowledge, or experience is needed.

Training: A few months to one year of working with experienced employees needed. A recognized apprenticeship program may be associated with these occupations.

Core Certifications: Certified Welder, Certified Associate Welding Inspector, Certified Welding Supervisor, Certified Radiographic Interpreter

Hot Technologies: Enterprise resource planning ERP software, EZ Pipe, IBM Notes, Microsoft Office Suite, Oracle software

Region	Employment	Location Quotient	Median Wage
Chicago MSA	9,160	0.77	\$44,810
Illinois	16,450	1.04	\$44,590
USA	397,600	–	\$47,010



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Weld components in flat, vertical, or overhead positions.

Hourly or more

92

Operate safety equipment and use safe work habits.

Hourly or more

91

Examine workpieces for defects and measure workpieces with straightedges or templates to ensure conformance with specifications.

Daily

88

Recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment.

Hourly or more

87

Weld separately or in combination, using aluminum, stainless steel, cast iron, and other alloys.

Hourly or more

87