

MIG Welder Job Description

Duties and Responsibilities:

- Measure and mark work pieces using straightedges, rules, and calipers
- Cut and smoothen metal components using plasma cutters, portable grinders, lathe, and milling machines
- Read and interpret blueprints and production drawings in order to lay out a welding project
- Operate forklifts/cranes and use them in conveying work materials to welding site
- Collaborate with project managers and welding supervisors to ensure smooth work operations
- Guide and direct the activities of inexperienced/trainee welders
- Maintain welding safety guidelines and regulations to ensure a risk-free work environment
- Carry out welding according to set dimensions to meet general test requirements
- Organize and clean welding equipment on a regular basis
- Monitor inventory level of materials to notify supervisor of stock shortage
- Bore holes through metal workpieces using drill press
- Weld materials in flat, horizontal, vertical, and overhead positions
- Adjust gas gauges to set the flow rate of shield gas
- Conduct hydrostatic, x-ray, and tolerance tests to assess weld quality and conformance to specification
- Use measuring instruments such as micrometers and calipers to inspect angles, grooves or gap allowances
- Apply knowledge of metallurgy and geometry in selecting welding equipment and configuration.

MIG Welder Requirements – Skills, Knowledge, and Abilities

- Education and Training: To become an MIG welder, you require a high school diploma and several years of training at vocational institution.

You can also learn from experienced welders as a welding apprentice. Certifications from recognized welding associations such as American Welding Society are usually required by most employers

- Physical Dexterity: MIG welders are able to operate various welding implements to achieve high quality welds
- Stamina: They are able to withstand long hours of welding in rigorous and extreme conditions
- Attention to Detail: They perform welding operations in accordance with set specifications and configuration
- Pre-employment tests: To qualify for admission into an apprenticeship program, or to be hired as an MIG welder, you may be required to pass a job test. Find out the [assessment test](#) you may need to take to get into this career and how to make top scores.