

TIG Welder Job Description

- Oversee the selection and procurement of materials and equipment required for TIG welding
- Measure and align workpieces using straightedges, clamps, and calipers
- Fill ducts with water/air and submerge in water to identify pipe leakage
- Assist plumbers, HVAC, and manufacturing engineers during construction
- Ensure compliance with established health/safety policies and regulations
- Carry out grinding and thermal cutting operations to obtain various textures and sizes for metal parts
- Oversee the set-up of TIG welding equipment
- Operate power and hand tools such as arc welders, buffing machine, and scrapers
- Maintain good working knowledge of the welding characteristics of metals such as stainless steel, aluminum, and titanium
- Read and interpret welding blueprints, schematics, and codes
- Carry out preventative maintenance and repair of piping systems and metal structures
- Ensure welding operations meet set specifications and construction requirements
- Oversee the training and mentoring of new and trainee TIG welders
- Perform TIG welding on materials such as fiberglass, iron, plastic, and copper
- Conduct radiographic and bend tests to verify the quality of weld.