



TIG Welder I – 2nd Shift Job Description

Manager: Tube & Duct Assembly Business Leader
Department: Tube & Duct Assembly

Pay Family: Hourly
Shift: 2nd Shift

Job Summary:

TIG welders are responsible for the fabrication and welding of aerospace tubular, sheet metal and casting engine components.

TIG Welders certify to AWS D17.1 Aerospace Specification as required to manual weld aviation hardware from 0.020" to 0.300" thickness, in all positions comprised of stainless steel, Inconel, cobalt, and aluminum alloys.

Duties and Responsibilities:

- Set-up and layout jobs using blueprints, diagrams and fixtures following welding procedures to TIG weld in all positions including the use of rotary turntables for manual welding.
- Inspects, maintains and logs preventative maintenance on equipment needed for welding and fabricating.
- Sets up machines according to work instructions to trim, size, form, inspect, and GTAW (TIG weld) material to meet fabrication drawing requirements.
- Drawing review and compliance for final dimensions, weld note callouts, base material and filler material selection.
- Solvent cleaning, trimming, sizing and polishing to prepare weld joints for welding
- Tack welding, fabrication of shop aids and fixtures to assist fabrication and welding
- Videoscope inspection for root side weld defects.
Visual weld inspection using fillet weld gauges, calipers, micrometers, height gauges and final weld fixtures.
- Weld inspection for weld size, face and root reinforcement, cracks, inclusions and porosity.
- Lean Manufacturing, general housekeeping, work in a teaming environment, 5S.
- Daily compliance to customer drawings and specifications to maintain aerospace Quality Standards.
- Complies with internal quality system and regulatory requirements

This job description is not meant to be an all-inclusive statement for every duty and responsibility that will ever be required of an employee in the job.



- Maintains qualification for welding certifications.
- Cleans work area, tools, and equipment at end of shift.
- Follows all business policies and procedures.
- Performs other duties as assigned.

Qualifications / Requirements:

- Ability to pass TIG welding assessment and become certified on required alloy/joint combinations
- Good attention to detail and eye/hand coordination skills.
- Uses mathematical and reading skills.
- Interprets specifications, blueprints, and work instructions.
- Near vision of Jaeger #2 at 12" and far vision of 20/30 or better in either eye, with or without corrective lenses.
- Ability to read/write/speak English
- Legal authorization to work in the US

Desired Characteristics:

- Excellent attendance and punctuality history.
- Makes decisions based on experience and available data.
- Requires minimal supervision to plan and schedule workload according to production schedule to meet manufacturing needs.
- Strives to meet or exceed job requirements.

Work Environment:

- May be exposed to noise, dust, fumes, airborne particles, smoke (Not over OSHA Permissible Exposure Levels).
- Safety training and equipment are provided by MPP in accordance with applicable law, industry standards and company policy.
- Occasionally lifts 25 – 45lbs.

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