

Welder Job Description



Job Title: Welder
Department: Welding
Reports To: Welding Supervisor
Effective Date: March 1, 2022

Under the general direction of the Welding Supervisor, while demonstrating a commitment to quality, efficiency and accuracy, the Welder sets up, adjusts and operates a variety of MIG and/or TIG welding equipment to weld ferrous and non-ferrous metals to produce parts and products to attain specifications and precise standards. Considerable judgment is required to select, adjust and utilize appropriate tools, products and/or materials to accomplish specified objectives.

Duties/Responsibilities:

- Ability to read and interpret welding blueprints, drawings specifications, manuals and processes, including quality.
- Examine welds and ensure that they meet standards and/or specifications.
- Cleaning and preparing pieces for welding, ensuring all equipment is serviceable, and no safety problems exist before operation.
- Set up components and/or jigs for welding according to specifications (e.g. cut material with a power saw to match measurements).
- Under limited supervision and minimal technical guidance, apply hand-eye coordination to achieve the desired weld using manual or semi-automatic welding equipment in various positions (vertical, horizontal, or overhead). Determine and operate the appropriate welding equipment or method based on requirements such as GTAW.
- Inspects completed weld to determine the structural integrity.
- Uses, cleans and safeguards inspection measurement and testing equipment (IMTE), such as calipers to accomplish actual results to identify and investigate any discrepancies and determines and takes action required to remedy the problem.
- Ensure welds are formed, raw material into complete welds, or sub-welds for production by taking multiple parts and assembling them into the welding jig, and then MIG welds these parts together.
- Operate manual or semi-automatic flame-cutting equipment.
- Operate brazing and soldering equipment.
- Operate angle grinders to prepare the parts that must be welded, and align components using calipers, rulers, and clamp pieces.
- Operate set-up welding machines previously to fabricate or repair metal parts and products.
- Operate previously set-up brazing or soldering machines to bond metal or to fill holes, indentations and seams of metal.
- Maintain a clean and safe work area complying with corporate and Manitoba Safety and Health Legislations.
- Performs such other duties as assigned by supervisor.

Required Skills/Abilities:

- Strong problem skills.
- Advanced mathematical skills.
- Clear communication skills (understanding written and verbal cues)
- Strong organizational and time management skills.
- Ability to comply with company rules and regulations.
- Able to work safely and responsibly.
- Team Player

Education and Experience:

- Successful completion of Champ Industries Welding Test.
- Successful completion of Grade 12.
- CWB certification.

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- Must be experienced and have full knowledge of the operation of oxygen and acetylene cutting equipment and the safety knowledge required.
- Previous MIG/TIG welding experience in a manufacturing setting.
- Forklift training and/or experience is an asset.
- Experience using ERP systems.
- Know and understand the WHMIS labelling system.

Physical Requirements:

- Standing for extended periods.
- Repetitive tasks
- Manual dexterity
- Attention to detail
- Hand-eye co-ordination
- Able to lift 50lbs.
- Physically able to twist and bend frequently.

Working Conditions:

- 40-hour workweek, with the potential of Overtime.
- Fast-paced manufacturing environment
- Extremely hot materials and intense light
- High noise levels.
- Fumes, vapors, and gases.
- Personal Protective Equipment (PPE) is required

Employee Name

Employee Signature

Date