

Job Profile and Description: **Welder**

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A welder or welder operator is a tradesman who specializes in welding materials together. The materials to be joined mostly will be steel but on occasion they may have aluminum or other metals. Different types of welding includes Stick, Mig, and Tig. We use each of these types depending on the project.

Duties and Responsibilities

- Welding spare parts in various directions: flat, horizontal, vertical or overhead, etc.;
- Clamping, holding, tack-welding, heat-bending, bolting, or grinding spare parts as necessary to satisfy the technical requirements and create a welded final product
- Operating other accessory equipments and performing some tasks necessary for welding metal, such as fusing metal segments, using gas tungsten arc, metal arc, flux-cored arc, plasma arc, and other types of welding arcs;
- Control the processes of fitting, burning and welding to avoid problems in relation to overheat, distortion, expansion or shrink of spare parts
- Examining finish products and spare parts and comparing them with samples to check whether the specifications are met
- Being in charge of preparing and setting up necessary tools and equipments for welding job such as screen, shielded metal arc, gas metal arc or other welding equipments
- Arranging and assuring the welded parts to be arranged in order before being assembled into final products; using such tools as square, caliper or ruler for this task.
- Follow all safe work practices.
- Obtain parts and materials.
- Access area to be welded by climbing ladder if needed.
- Use disc grinder to smooth out, weld, or grind parts prior to welding.
- Operate manual and automated welding units and equipment by depositing metal from electrode to work piece and joins edges of work piece.
- Maintain length of arc and speed of movement to form specified depth of fusion and bead.
- Weld in flat and vertical planes (all position welding).
- Examine weld for bead size and other specifications.
- Grind or clean weld joint of work piece.
- Repair improperly welded pieces and fill holes.
- Position and clamp work pieces together or assemble them in a jig fixture.
- Tack assemblies together.
- Assemble component parts using hand and small power tools.
- May change hoses, fittings, air valves, suspension parts, etc.
- Clean up work area daily.
- Do any additional tasks that are asked or needed to be completed.

Skills and Specifications

- Attention to details
- Good dexterity
- Technical knowledge about the materials being joined
- Blueprints / Drawings / Plans
- Strong planning, problem solving and troubleshooting skills
- Accept responsibility for the work performed
- Visualize what the finished product should look like

Physical Requirements

- Must be able to stand and/or be on their feet 10-12 hours / day
- Must be able to lift 50lbs as needed
- Must be able to go up and down on ladder, steps, or other lifts as needed
- Must be able to work in outdoor weather and/or unregulated temperatures for 10-12 hours / day

Education and Qualifications

- 3+ years of work experience in Welding.
- Current Certification from American Welders Society (AWS) or Technical School a plus unless specified by the customer
- D1.1 Certification is desired (includes any size material to be used in vertical, horizontal and overhead welding).
- Preferable work experience with Steel

Tool List - Required

Tool Box	Welding Helmet	Welding Gloves	Welding Hammer (chipping hammer)
Needle nose pliers	Adjustable Wrench	Ball Peen Hammer	Scribe
25' Tape Measure	Try Square (12")	Chisel	Torch Lighter (Striker)
Tip Cleaners			