



**Position Title:**

**Welder**

**Position summary:** Use manual and/or robotic welding equipment to properly weld steel or aluminum components.

**Tasks:**

- Clamp, hold, tack-weld, heat-bend, grind and/or bolt component parts to obtain required configurations and positions for welding.
- Remove rough spots from work pieces, using portable grinders, hand files, or scrapers.
- Chip or grind off excess weld, slag, or spatter, using hand scrapers or power chippers, portable grinders, or arc-cutting equipment.
- Weld components in flat, vertical, or overhead positions.
- Operate safety equipment, and use safe work habits.
- Operate manual or semi-automatic welding equipment to fuse metal segments, using processes such as gas tungsten arc, gas metal arc, flux-cored arc, plasma arc, shielded metal arc, resistance welding, and submerged arc welding.
- Melt and apply solder along adjoining edges of work pieces to solder joints, using soldering irons, gas torches, or electric-ultrasonic equipment.
- Heat soldering irons or work pieces to specified temperatures for soldering, using gas flames or electric current.
- Clean work pieces to remove dirt and excess acid, using chemical solutions, files, wire brushes, or grinders.
- Examine seams for defects, and rework defective joints or broken parts.
- Melt and separate brazed or soldered joints to remove and straighten damaged or misaligned components, using hand torches, irons or furnaces.
- Melt and apply solder to fill holes, indentations, and seams of fabricated metal products, using soldering equipment.
- Assist with fabrication of manufacturing equipment
- Complete Process documentation (route cards, work orders, reporting production
- Maintain clean work area

**Skills:**

- Active Listening - Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
- Mathematics - Using mathematics to solve problems.
- Equipment Selection - Determining the kind of tools and equipment needed to do a job.
- Time Management - Managing one's own time and the time of others.
- Reading Comprehension - Understanding written sentences and paragraphs in work related documents.
- Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Quality Control Analysis - Conducting tests and inspections of products, services, or processes to evaluate quality or performance.
- Learning Strategies - Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
- Monitoring - Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

**Attributes:**

- Arm-Hand Steadiness - The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- Near Vision - The ability to see details at close range (within a few feet of the observer).
- Manual Dexterity - The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.
- Control Precision - The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.
- Multi limb Coordination - The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.



- Finger Dexterity - The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- Arm-Hand Steadiness - The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- Oral Comprehension - The ability to listen to and understand information and ideas presented through spoken words and sentences.
- Oral Expression - The ability to communicate information and ideas in speaking so others will understand.

**Experience And Education:**

High School Diploma (or GED or High School Equivalence Certificate)

3+ years experience