

Welder Fabricator

Purpose: Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Essential Job Duties/Responsibilities:

- Operate safety equipment and use safe work habits.
- Weld components in flat, vertical, or overhead positions.
- Clamp, hold, tack-weld, heat-bend, grind or bolt component parts to obtain required configurations and positions for welding.
- Detect faulty operation of equipment or defective materials and notify supervisors.
- Monitor the fitting, burning, and welding processes to avoid overheating of parts or warping, shrinking, distortion, or expansion of material.
- Examine workpieces for defects and measure workpieces with straightedges or templates to ensure conformance with specifications.
- Recognize, set up, and operate hand and power tools common to the welding trade.
- Lay out, position, align, and secure parts and assemblies prior to assembly, using straightedges, combination squares, calipers, and rulers.
- Chip or grind off excess weld, slag, or spatter, using hand scrapers and/or portable grinders.
- Analyze engineering drawings, blueprints, specifications, sketches, work orders, and material safety data sheets to plan layout, assembly, and welding operations.
- Weld separately or in combination, using aluminum, stainless steel, and other alloys.
- Determine required equipment and welding methods, applying knowledge of metallurgy, geometry, and welding techniques.
- Mark or tag material with proper job number, piece marks, and other identifying marks as required.
- Prepare all material surfaces to be welded, ensuring that there is no loose or thick scale, slag, rust, moisture, grease, or other foreign matter.
- Remove rough spots from workpieces, using portable grinders, hand files, or scrapers.
- Clean or degrease parts.
- Repair products by dismantling, straightening and reassembling parts, using hand tools.
- Fill holes, and increase the size of metal parts.
- Dismantle metal assemblies using thermal-cutting equipment such as flame-cutting torches or plasma-arc equipment.
- Assemble mechanical components according to specifications using proper tools and verifying conformance of parts.

- Identify and communicate with project team regarding build issues and documentation.
- **Mechanical** - Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- **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.
- May prepare equipment for customer shipment.
- Clean, maintain and organize work area and all equipment.
- Performs other duties and responsibilities as assigned.

Desirable Job Duties/Responsibilities

- Read and analyze mechanical and electrical prints/bills of material to plan equipment build.
- May debug assemblies and machines by identifying and correcting problems affecting proper operation.
- May prepare equipment for customer shipment.

Essential Qualifications:

- A high school diploma/GED and a minimum of three years relevant experience.
- Manufacturing experience required.
- Use of MIG & TIG Welder on steel, aluminum and stainless
- Ability and willingness to multi-task and learn new responsibilities.
- Possess the written, verbal, and communication skills necessary to work both independently and cooperatively.
- Ability to read mechanical drawings/prints
- Read and comprehend oral and written procedures.
- Possess basic math skills such as addition, subtraction, division, and multiplication.
- Regularly and reliably work the scheduled hours. Willingness to work overtime when workload requires.
- Comply with safety policy and OSHA Standards.
- Physical requirements include the ability to:
 - read fine print with or without the use of corrective lenses;
 - work with odors (solder/paint/solvent/manufacturing odor);
 - lift and carry heavy (up to 45 lbs) and/or awkward items;
 - stand or sit for the full shift and have full range of motion (including but not limited to bending and lifting) required to perform the job functions;
 - maintain steady hand-eye coordination;
 - reach in all directions and in potentially awkward positions.

Desirable Qualifications:

- Basic PC skills in windows environment.
- Past Experience in machine fabrication and assembly
- Forklift experience

Other Information:

This is a first shift position, working eight-hour shifts Monday through Friday. Pay is dependent upon experience.

To Apply:

Please submit a complete résumé and cover letter to:

Northfield Automation Systems, Inc.

ATTN: Human Resources

1325 Armstrong Road

Northfield, MN 55057

You may also choose to send your application materials via email to

hr@northfieldautomation.com or via fax to 507-645-5521.