

## Region 2 Advanced Manufacturing Occupation Descriptions

Occupation	Job Description
General Production Worker	Entry level position assisting other workers. Duties may include supplying or holding materials or tools, and cleaning work area and equipment.
Assembler	Assembles products and the parts that go into them. Uses tools, machines, and their hands to make a variety of finished products.
Material Handler, Warehouse Utility	Manually and mechanically, utilizing powered industrial vehicles, moves freight, stock, or other materials or performs other general labor. Includes documentation of inventory transactions.
Shipping and Receiving, Warehouse Coordinator	Tracks and handles shipping and receiving of raw materials and finished products including packaging shipments and order fulfillment. Manually and mechanically, utilizing powered industrial vehicle, to move freight, stock, or other materials. Includes documentation of inventory transactions.
Fabricator	Creates components from raw materials turning them into finished products utilizing a variety of machines and manually operated tools.
Machine Operator	Set up and operate a variety of machine tools to produce precision parts and instruments. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.
Welder 1	Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. These positions may require welding certifications both internal and external.
Process Operator	Operates computer controlled machines or robotics maintaining a process flow of product throughout the system. Responsible for manually checking equipment throughout the process to ensure machines are performing specific tasks as required. Completing quality production checks to ensure specifications are maintained for each product being produced.
Quality Inspector	Inspect, test, sort, sample, or weigh raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.
Maintenance Technician	Lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment, and systems applying principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, and physics. Ability to work independently recognizing the potential of equipment failure and the importance of predictive and preventative maintenance.
Welder 2	Increased skills from Welder 1 with additional work experience in the job along with higher level certifications both internal and/or external.

Tool and Die Maker	Creatively analyze specifications and be able to troubleshoot non-conformities. Set up, program and operate machine and hand tools, lay out metal stock, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.
Engineering Technician	Develop tools, implement designs, or integrate machinery, equipment, or computer technologies to ensure effective manufacturing processes.
Drafter	Use software to convert the designs of engineers into technical drawings and plans. Workers may specialize in electrical or mechanical drafting and use technical drawings to help design a variety of machines, tools and parts.
First Line Supervisor, Group Lead	Supervise and coordinate the activities of production personnel in a safe and efficient manner utilizing strong communication skills to direct and motivate the workforce in compliance with company and legislative guidelines.
Engineer (Mechanical, Electrical, Chemical)	Design, integrate, or improve manufacturing systems or related processes. May work with commercial or industrial designers to refine product designs to increase productivity and decrease costs.
Manager	Plan, direct, and coordinate the operations of the organization. Duties and responsibilities include formulating policies, managing daily operations by planning the use of capital and human resources. Requires strong communication and leadership skills.