

JOB DESCRIPTION

JOB TITLE: **Robotic Welding Specialist 1 & 2** **DEPT:** Welding
REPORTS TO: Business Unit Supervisor **STATUS:** Hourly / nonexempt

Robot Welding Specialist 1

JOB SUMMARY: To operate, program, maintain and trouble shoot welding robots for all phases of production.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Work in a safe manner and report unsafe conditions to supervisor.
- Review new product designs to determine fixturing and programming issues.
- From welding designs, set parameters and program robot to safely execute the correct welds, maximizing quality and throughput.
- Run test welds to determine accuracy and quality
- Oversee the operation of the robot and troubleshoot and correct problems as they occur.
- Operate robots, train others and observe robots in operation to maintain safety, quality, and throughput.
- Work periodically on alternate shifts and/or weekends to ensure full utilization of the robots.
- Perform upkeep of programming and maintenance of robot and fixtures.
- Communicate with other shifts and departments to aid in maintaining part quality to acceptable standards.
- Keep work area, tools, material and equipment clean and orderly.
- Follow Douglas Dynamics' rules regarding work and conduct.

OTHER RESPONSIBILITIES:

- Operate fork truck to assist in material handling needs for the robotic cells to keep robots running smoothly without stoppage or interruption to maximize run time.
- Track use of consumables and report to appropriate person as needed
- Assist with fixture design, development and maintenance.
- Work in other department (Welding, Fabrication, Tooling, etc.) when not operating welding robot.
- Perform other duties as assigned.

REQUIREMENTS:

Education: High school diploma/GED or one year of equivalent work experience. Strong basic math skills. Able to read and interpret welding and design drawings. Formal robotic programming/trainer experience a plus.

PHYSICAL REQUIREMENTS

- Vision; near, distance, color, peripheral and depth perception.
- Able to stand and walk.
- Able to reach above shoulders and outward.
- Able to bend, squat and crawl.
- Able to lift and carry up to 50 pounds with good body mechanics.

- Ability to wear Personal Protective Equipment: eyewear, hearing protection, respirator and steeled toes boots with metatarsals.

WORK ENVIRONMENT

- Temperatures; Low 40 – 60; high temperature over 90.
- Noise level > 85 db

Experience: Demonstrate a full understanding and knowledge of MIG welding with ability to establish weld settings to optimize weld quality and meet standards. Understanding of mechanical, electrical, pneumatic and/or hydraulic operations of robots and fixtures.

Communication: Ability to communicate clearly with other departments regarding part requirements, quality issues and production schedules. Able to train and interact with robot operators in basic operation of loading/unloading fixtures.

Robot Welding Specialist 2

ESSENTIAL DUTIES, RESPONSIBILITIES, REQUIREMENTS, AND EXPERIENCE:

- All duties, responsibilities, requirements, and experience listed for a Robotic Welding Specialist 1.
- Review new product designs to determine fixturing and programming issues.
- From welding designs, set parameters and program robot to safely execute the correct welds, maximizing quality and throughput.
- Assist with fixture design, development and maintenance.