

Robotic Welding Programmer - Manufacturing

Location: Walker Manufacturing - Fort Collins, CO

Position Overview:

Robotic Welding Programmers at Walker Manufacturing are responsible for developing, maintaining, optimizing, and troubleshooting robotic welding programs and related production processes. This role is hands-on and plays a critical part in ensuring robotic welding systems produce consistent, high-quality parts while supporting safe, efficient, and reliable production.

The Robotic Welding Programmer works closely with production, welding, maintenance, engineering, and other manufacturing teams to identify issues, implement controlled corrective actions, improve processes, and support the continued development of robotic welding capabilities.

Key Responsibilities:

- Sets a positive example through strong work ethic, attention to detail, safety, and commitment to quality
- Develop, modify, maintain, and optimize robotic welding programs used in production
- Troubleshoot robotic welding issues and identify root causes impacting quality, repeatability, uptime, or cycle time
- Determine whether issues are related to programming, TCP, torch position, fixtures, part location, consumables, welding parameters, alignment, or equipment condition
- Make controlled and verified program adjustments to improve weld quality, repeatability, and cycle time
- Test and verify robotic welding programs after modifications to ensure quality and process consistency
- Support robot, torch, TCP, positioner, fixture, and tooling alignment
- Maintain accurate robot programs, backups, revisions, and documentation
- Provide technical support to robotic welding operators, cell technicians, and production leaders
- Work with welding and manufacturing teams to maintain consistent welding processes and approved standards
- Identify opportunities to improve quality, productivity, reliability, uptime, and operator effectiveness
- Support continuous improvement and development of robotic welding processes, capabilities, and best practices
- Collaborate with maintenance, engineering, tooling, and production teams to resolve equipment or process-related issues
- Maintain a clean, safe, and organized work area in accordance with company standards

Qualifications:

- Welding experience or formal welding training required
- Strong understanding of welding processes and robotic welding applications
- Experience with industrial robots and robotic programming
- Strong mechanical aptitude and understanding of fixtures, tooling, and part location
- Experience with robot and torch alignment, TCP verification, and positioners
- Strong understanding of robot positioning, TCP, torch orientation, and travel paths
- Ability to recognize weld defects and understand how programming, setup, tooling, and weld parameters impact quality
- Strong troubleshooting and problem-solving skills
- Ability to read engineering drawings and welding documentation

- Strong computer skills and ability to learn robotic programming systems
- Strong organizational skills and attention to detail
- Ability to work independently and collaboratively across teams

Preferred Qualifications:

- 3 to 5 years of experience with robotic welding or industrial robotics
- Experience with Panasonic robotic welding systems preferred
- Experience with metal fabrication, fixtures, tooling, or manufacturing processes
- Experience supporting continuous improvement in a manufacturing environment
- Experience with SolidWorks or similar CAD software preferred

Personal Attributes:

- Self-motivated and accountable
- Detail-oriented with a strong commitment to quality and safety
- Hands-on and solution-oriented
- Strong analytical and troubleshooting mindset
- Effective communicator and team member
- Willing to train and develop others
- Committed to continuous improvement and reliable production

Why Work at Walker Manufacturing?

At Walker, we take pride in building premium lawn mowers known worldwide for quality and performance. As part of our team, you will enjoy a supportive work environment, steady year-round employment, and opportunities to grow with a company that values craftsmanship, teamwork, and reliability.