

Walker Manufacturing
Tool Design Engineer – Engineering Department
Location: Walker Manufacturing – Fort Collins, CO

Position Overview:

Walker's Tooling Design Engineer designs and supports fabricating fixtures and tooling. The primary focus is on manual and robotic welding tools. This position also occasionally contributes to tooling projects in other departments. The Tool Design Engineer serves as a key partner and liaison between the Design Engineering and Manufacturing teams, focusing on empowering innovation through design engineering while protecting manufacturability and efficiency. Tool Design Engineers bridge the gap between engineering and production by creating practical, durable, and efficient tools that enhance manufacturing quality and productivity. Progression includes mastering fixture design, robotic integration, and continuous improvement of tooling systems.

Key Responsibilities:

- Design and develop new weld fixtures and tooling to meet production and welding process requirements. Fabricate tools and fixtures from start to finish using machining, fabrication, and welding techniques.
- Collaborate with manufacturing and R&D teams to ensure fixture functionality and operator safety.
- Mentor and support tool makers, sharing best practices in design, fabrication, and tooling development.
- Assist in robotic weld cell programming and initial process optimization.
- Participate in the Production Part Approval Process (PPAP), validating new parts and verifying tooling performance.
- Develop and maintain a preventative maintenance schedule for tooling identifying key wear parts to ensure quality and longevity.
- Maintain detailed records and CAD models for new tooling designs and revisions. Troubleshoot and improve existing tooling and fixtures to reduce downtime and improve consistency.

Qualifications:

- Hands-on experience in metal fabrication, welding, and machining.
- Proficiency in SolidWorks CAD or similar design software.
- Strong understanding of welding processes and fixture design principles.

- Experience with robotic welding systems and automation integration is highly preferred.
- Ability to interpret engineering drawings, GD&T, and manufacturing documentation.
- Excellent problem-solving and troubleshooting skills.
- Ability to work both independently and collaboratively in a team environment.
- Strong attention to detail and commitment to producing high-quality work.

Personal Attributes:

- Reliable and punctual with a strong work ethic.
- Positive attitude and willingness to contribute to team success.
- Flexible and willing to assist wherever needed within the department.
- Commitment to craftsmanship, innovation, and continuous improvement.

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'll enjoy a supportive work environment, steady year-round employment, and opportunities to grow with a company that values craftsmanship, teamwork, and reliability.