



TURNING COMPLEX WELDING INTO CONSISTENT, HIGH-QUALITY PRODUCTION

Manufacturers face increasing pressure to deliver consistent weld quality, improve throughput, and overcome skilled labor shortages—all while maintaining safety and controlling costs. Manual welding and outdated systems often create variability, bottlenecks, and production risk.

As a full-service system integrator, MWES designs and delivers custom welding automation solutions that improve consistency, increase productivity, and enhance workplace safety. From collaborative welding carts to custom robotic welding systems, our solutions are engineered to fit your application and perform on the factory floor.

Why Choose MWES?

- ◆ **Proven Welding Expertise** – Delivering robotic and automated welding systems across industries
- ◆ **Custom-Engineered Solutions** – No cookie-cutter cells; every system is designed around your part, process, and production needs
- ◆ **Full-Service System Integrator** – In-house engineering, fabrication, programming, installation, and support.
- ◆ **24/7 Service & Support** – Ongoing support to keep your welding automation performing at its best.

WHY AUTOMATE WELDING WITH MWES?

► REDUCE LABOR COSTS

Automate repetitive and labor-intensive welding tasks to offset skilled labor shortages and allow welders to focus on higher-value work.

► IMPROVE WELD QUALITY & CONSISTENCY

Robotic and automated welding systems deliver precise, repeatable welds that reduce rework and scrap.

► ENHANCE WORKPLACE SAFETY

Minimize operator exposure to heat, fumes, heavy parts, and hazardous welding environments.

► INTEGRATE SEAMLESSLY

Welding automation designed to work with your existing equipment, material handling, and software platforms.

► INCREASE UPTIME & THROUGHPUT

Engineered for high-duty cycles and reliable performance, MWES systems keep production running efficiently.

ROBOTIC WELDING SOLUTIONS

MWES delivers a comprehensive range of welding automation solutions designed to meet the demands of modern manufacturing. From flexible cobot systems to fully custom robotic weld cells, our technologies are engineered to improve quality, productivity, and safety across a wide range of welding applications.



WELDING AUTOMATION SOLUTIONS & TECHNOLOGIES

EASYARC™ COBOT WELDING CARTS

- Mobile, collaborative welding carts designed for quick deployment, ease of use, and flexible production—ideal for high-mix, low-volume applications where space, safety, and adaptability matter.

LASER WELDING CELL

- High-precision laser welding solutions delivering minimal heat input, reduced distortion, and superior cosmetic welds for thin materials and tight tolerances.

MIG WELDING CELL

- Robotic MIG welding systems engineered for repeatability, speed, and consistent penetration across a wide range of materials and part configurations.

EASYARC™ SOFTWARE

- Intuitive, operator-friendly software that simplifies robotic welding programming—enabling faster setup, reduced training time, and consistent weld quality.

CUSTOM WELD CELLS

- Fully engineered welding cells integrating robotics, fixturing, positioners, safety, and controls to support complex geometries, large weldments, and high-throughput production.

WELDING POSITIONERS

- Servo-controlled, multi-axis positioners that optimize part orientation, improve weld access, and increase arc-on time—ideal for large or complex assemblies.

AUTOMATED WELD INSPECTION

- Integrated vision and sensing solutions that verify weld quality and process consistency while supporting traceability and quality requirements.

WELD UPGRADES & RETROFITS

- Modernization of existing welding equipment to improve performance, enhance safety, add robotics, or integrate new controls—extending system life and ROI.

CUSTOM WELDING AUTOMATION ENGINEERED FOR REAL-WORLD MANUFACTURING

MWES delivers end-to-end welding automation solutions designed to improve quality, reliability, and ROI. By combining deep welding expertise with custom system integration, we help manufacturers modernize operations and stay competitive.

LET'S BUILD WHAT'S NEXT

Contact MWES to discuss how advanced welding automation can improve your production.



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