



INNOVATION THROUGH AUTOMATION



## Robot Welding Automation

Whether your parts are simple, have complex geometries or require heavy welding applications, MWES offers custom-built and standard turnkey robot welding systems for various capability ranges and weld processes. Our experience and in-house capabilities allow us to design, build and install custom robotic welding systems and our Easy-Arc welding solutions.

Advancements in robotics have made automation of even a few processes, a productive and cost-saving innovation that companies of any size can benefit from. Whether it's welding large steel trusses, structural framing, large cylinder assembly, framing for data center servers or small component welding, MWES has the solutions for projects large and small.

The Easy-Arc positioners allow robotic manipulators to move weldments in one or more axes giving the robot precise positioning for optimal welding. We provide positioners in **headstock/tailstock**, **skyhook** and **drop center** configurations.

Our AWS Certified Welding Inspectors (CWI) and Certified Robotic Arc Welding Technicians (CRAW-T) will ensure high-quality results for your welding automation system.

## WELDING SOLUTIONS

- Custom designed & built robot welding systems
- Portable Cobot weld carts
- Standard laser robot welding cells
- GMAW & GTAW robotic welding
- Automated welding positioners
- Heavy & light gauge welding
- Spot welding systems
- Welding fixtures
- Automated weld inspection
- Welding upgrades & retrofits



### MIDWEST ENGINEERED SYSTEMS INC.

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WHY PARTNER WITH

## Midwest Engineered Systems

Since 1991, MWES has provided automated manufacturing solutions that our customers and partners trust and depend on. We bring our world-class capabilities to any project with solutions that will bring about improved throughput and a return-on-investment.

No matter the industry, our dedicated staff of engineers are adept at understanding specialized and diverse processes from a variety of production environments, to deliver systems that are designed to solve the unique problems each customer is looking to solve.

### YOUR AUTOMATION Solutions

- Full Factory Automation
- Assembly Line Automation
- Robotic Welding
- AGV & AMR Integration
- AS/RS Buffer Systems
- Web Handling & Converting
- Case Packing Automation
- Robotic Palletizing & Depalletizing
- Food Handling & Forming
- Vial Filling Automation
- Robotic Press Brake
- Standard Machine Tending
- Robotic Bin Picking
- Robot Laser Cutting
- Custom Machines
- New Product Introduction
- Additive Manufacturing
- Proof of Principle Testing

INTELLIGENT

EXPERIENCED

DEDICATED

**WE ARE INNOVATION THROUGH AUTOMATION**

RESPONSIVE

EFFICIENT

SUPPORTIVE

TRUST US WITH YOUR DATA

## MWES is ITAR Compliant

We pride ourselves on our secure facilities, systems and processes that ensure our customer's and partner's trade secrets is our top priority.

WE HAVE YOUR BACK WITH 24/7

## Customer Service & Support

We offer prompt **24/7** service and support for all of our products and provide support for systems developed by other automation integrators.

- Technical support
- Preventative maintenance
- Replacement parts
- On-site system integration
- Operator, programmer & maintenance training
- Field service for most robot brands
- Productivity improvements
- System retrofits & upgrades
- HMIs – standard & custom
- System modernization
- Offline programming
- Entire automation system audits

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