MWES
MIDWEST ENGINEERED SYSTEMS

EASYARC™ SOFTWARE

WELDING AUTOMATION WITHOUT THE LEARNING CURVE

EasyArc™ software is designed to eliminate the need for welders to learn complex robot code. Acting as an intuitive layer between the operator and the robot's teach pendant, EasyArc™ allows users to create production-ready welding programs through a clean, user-friendly interface—without writing or viewing code.

With a clean, guided interface and physical teach buttons on the robot, EasyArc™ enables fast setup, consistent results, and confident operation—whether you're automating your first weld or scaling production.

Why EasyArc™ Software?

- ◆ **Designed for welders and operators—not programmers**
- ◆ **Reduces training time and programming errors**
- ◆ **Improves productivity without increasing complexity**
- ◆ **Proven, production-ready software developed by MWES**

EasyArc™ turns robotic welding into a practical, repeatable shop-floor tool—so your team can focus on welding, not programming.
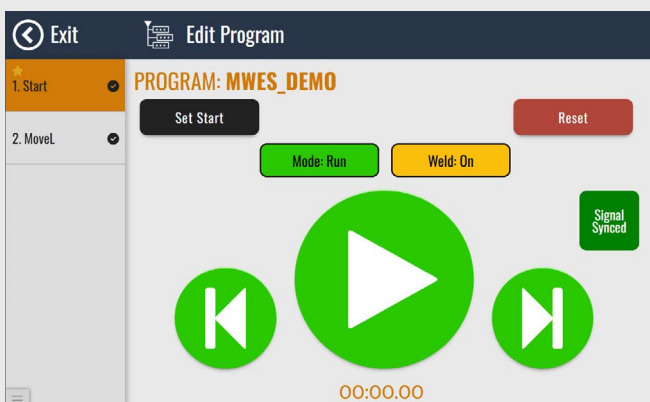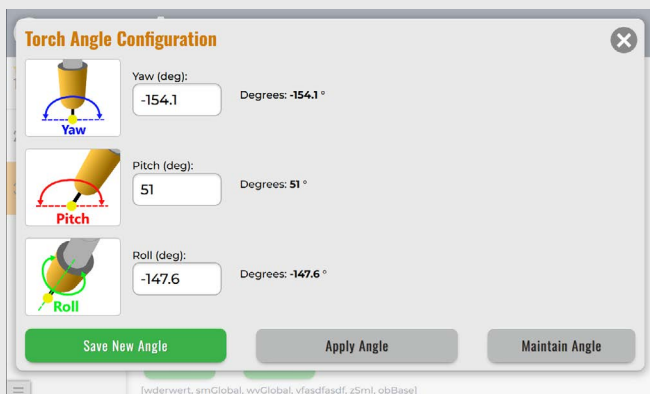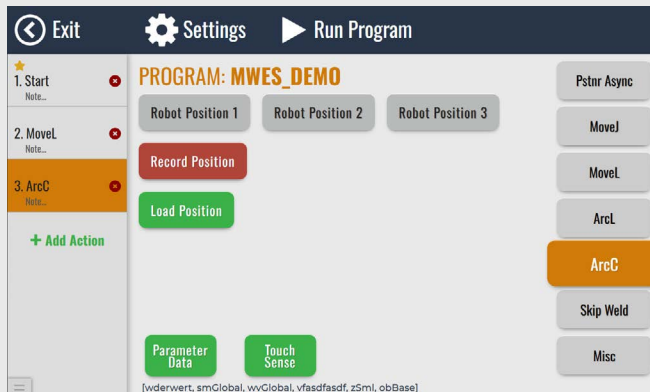
KEY FEATURES & BENEFITS:

▶ **NO ROBOT CODE REQUIRED**
Program welds visually—no RAPID or scripting knowledge needed.

▶ **BUILT FOR THE SHOP FLOOR**
Welders teach positions, adjust parameters, and run production directly from the pendant.

▶ **FASTER SETUP & CHANGEOVER**
Teach once, reuse programs, and shift parts easily across the weld table.

▶ **CONSISTENT, REPEATABLE RESULTS**
Lock in torch angles, weld parameters, and motion paths for uniform quality.

▶ **SCALES WITH YOUR AUTOMATION**
Supports auxiliary axes, positioners, grouped programs, and advanced weld control.

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EASYARC™ SOFTWARE

BUILT FOR REAL-WORLD WELDING ENVIRONMENTS

The intuitive, screen-guided interface allows operators to teach weld paths, adjust parameters, and manage production directly from the robot pendant—without writing or viewing code. Each screen is designed to simplify setup, reduce errors, and keep programming focused on the weld.

COMMON APPLICATIONS

▸ **WELD PROGRAMMING—SIMPLIFIED**
Create linear, circular, and skip welds with guided actions. Define weave patterns, weld speeds, and parameters without ever viewing robot code.

▸ **AUXILIARY AXIS & POSITIONER CONTROL**
Coordinate up to *four auxiliary axes* within EasyArc™ programs—allowing parts to rotate and reposition automatically for optimal weld access.

▸ **TORCH CLEANING**
Teach torch cleaning routines directly in the app for consistent maintenance, reduced downtime, and improved weld quality without writing code.

▸ **TOUCH SENSING**
Easily integrate touch sensing into weld programs to automatically compensate for part variation by applying precise offset adjustments to the taught path.

▸ **FRAME OFFSET TEACHING**
Teach base frames inside the application to quickly relocate programs and enable flexible part positioning.

▸ **GROUP PROGRAMS & PART PATTERN TEACHING**
Chain multiple programs together and run the same weld sequence across multiple part locations—ideal for batch production and high-mix environments.

▸ **TORCH ANGLE ADJUSTMENT**
Fine-tune torch angles manually and lock them in to maintain consistent orientation throughout the weld.

▸ **SKIP WELDING**
Program skip weld patterns and accurately without added complexity.

▸ **RAME OFFSET TEACHING**
Teach work object offset frames directly in the app to establish the base reference for each part. Enables faster changeovers and more flexible part positioning.