



EASYARC™ HW LASER WELDING SYSTEM



HIGH-PERFORMANCE LASER WELDING IN A COMPACT, SKID-MOUNTED PACKAGE

The EasyArc™ HW Laser Weld Cell is a compact, fully enclosed robotic welding system designed for high-precision laser welding applications. Pre-engineered for performance and safety, this all-in-one solution streamlines production by reducing cycle time, enhancing weld quality, and lowering labor costs—all while improving operator safety. With a single-station operator interface and integrated controls, it delivers unmatched efficiency and ease of use.

Why Choose EasyArc?

- ◆ **Laser Welding Expertise** – Work with experienced integrators who understand your parts, processes, and productivity goals.
- ◆ **Pre-Tested Solutions** – See your parts welded in real-time before deployment.
- ◆ **Trusted Support** – 24/7 tech hotline and ongoing technical service
- ◆ **Proven Performance** – Backed by MWES's EasyArc™ platform reliability

KEY FEATURES:

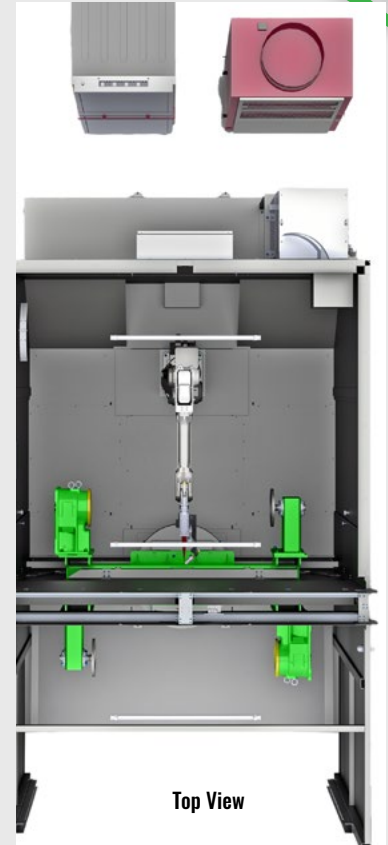
- ▶ **INTEGRATED LASER WELDING PACKAGE**
Supports conduction and keyhole welding with configurable optics, beam monitoring, and dedicated chiller skid.
- ▶ **CERTIFIED LASER SAFETY**
Class 1 laser-safe enclosure meets ANSI, RIA, UL and CSA standards—no extra guarding required.
- ▶ **HIGH-THROUGHPUT IN A SMALL FOOTPRINT**
Handles parts up to 1,100 lb per side with a 1,524 mm span—maximizing output in minimal floor space.
- ▶ **OPERATOR-FRIENDLY CONTROLS**
Full-color teach pendant and central control panel simplify diagnostics and programming.
- ▶ **IMPROVE WELD QUALITY & CONSISTENCY**
Delivers repeatable, high-quality welds in a variety of production environments.
- ▶ **COORDINATED MOTION FOR WELD ACCESS & QUALITY**
Servo-driven positioners rotate parts into optimal angles for better weld penetration and consistency.
- ▶ **PRE-ASSEMBLED FOR FAST SETUP**
Ships fully assembled and pre-wired; connect power and start welding.

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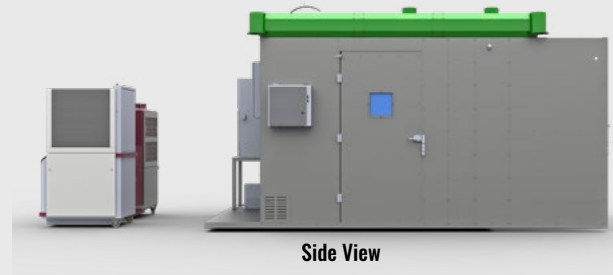


STANDARD SYSTEM SPECIFICATIONS

- ◆ **ABB® 8 kg Industrial Robot** — engineered for precision laser welding
- ◆ **MWES Custom Cell Controller** — with resume, part shifting, and integrated help features
- ◆ **High-Speed Servo Indexing Positioner** — for fast part turnover and cycle time reduction
- ◆ **Outboard Axis Servo Positioner** — 500 kg (1,100 lb) load capacity per side
- ◆ **Swing Diameter:** 965 mm (38 in)
- ◆ **Span Between Headstock & Tailstock:** 1,524 mm (60 in)
- ◆ **Laser Power Options:** 4kW, 6kW, or 8kW fiber laser (per application)
- ◆ **Class 1 Laser-Safe Full Enclosure** — compliant with ANSI Z136.1
- ◆ **Hybrid Cold & Hot Wire Feed Integration** — support for filler wire welding
- ◆ **Integrated Fume Hood** — with optional fume extraction system
- ◆ **Fully Pre-Wired & Pre-Assembled** — ready for fast installation
- ◆ **1-Year Warranty Included**



Top View



Side View

DIMENSIONAL & SHIPPING DETAILS

- ◆ **System Footprint (L×W×H):** 204 × 114 × 90 in (5,182 × 2,896 × 2,286 mm)
- ◆ **Shipping Weight:** 7,400 lb (3,357 kg)
- ◆ **Forklift-Friendly Design** for easy relocation & site integration

The EasyArc HW Laser Weld Cell delivers high-precision laser welding in a fully integrated, skid-mounted package—engineered for fast setup, consistent quality, and safe operation. Designed and built by MWES, this compact system is ideal for manufacturers looking to boost productivity, reduce labor costs, and automate with confidence.

Visit www.mwes.com or contact us to learn how EasyArc can transform your welding process.



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