



WELDLOGIC
FORMING & WELDING SOLUTIONS

WELDING SOLUTIONS
FOR ADVANCED
MANUFACTURING

HVAC / INDUSTRIAL LASER BOX & TUBE AUTOMATED WELD SYSTEM

Faster Welds. Less Heat. Zero Distortion.



▶ **CLICK HERE TO
SEE IT IN ACTION**



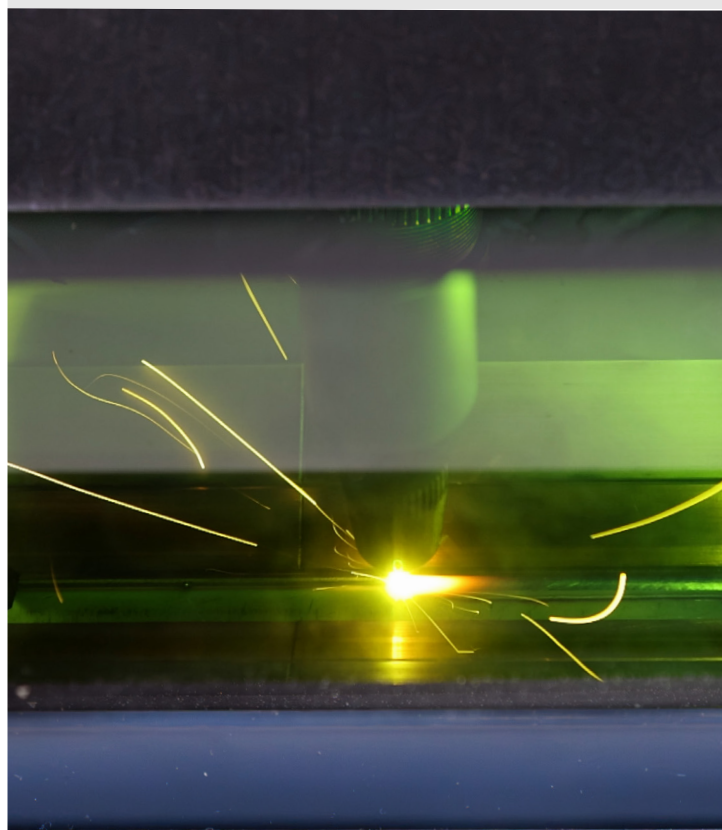
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Plasma | TIG | Laser | MIG | Sub-Arc



Automated Laser Welding for Box & Tube Applications ▼

The Weldlogic Laser Automatic Box & Tube Weld System delivers faster welding speeds, minimal heat input, and clean, distortion-free corner and butt seam welds on all weldable alloys. Designed for HVAC and industrial fabrication environments, this system handles both box welding and tube seam welding on a single platform — with changeovers under 2 minutes.

Easy Load, Easy Weld ▼

Weldlogic Engineering developed a straightforward load-and-weld solution controlled entirely by the AWS Laser Advanced Welding System — storing unlimited weld recipes with $\pm 1\%$ repeatability, shift after shift, in any operator's hands.

No fusion wire required — the laser can radius the corner directly, producing a clean inner bead with no post-weld cleanup and no consumable costs.

Benefits ▼

- Low-skill operator — no experienced welders required
- Weld recipes repeat to $\pm 1\%$ — AC Servo driven with closed-loop wattage control
- Low consumables — fusion welding eliminates wire in most applications
- Low heat input — no distortion, clean inner bead
- No post-weld cleanup
- Quick changeover in under 2 minutes

Features ▼

- Unlimited recipe storage — AWS Laser Advanced Welding System
- 2-Axis motor driven box cradle
- Dual gas with sensors
- Wobble head with camera and crosshair
- Safety enclosure with vacuum and filtration
- Designed for box welding and tube seam welding

Nearly 50 Years of Forming & Welding Solutions

Weldlogic has been designing, manufacturing rolling, and welding solutions for nearly 50 years— We validate all our forming and welding applications, thru our application lab. Contact us for a solution!



