

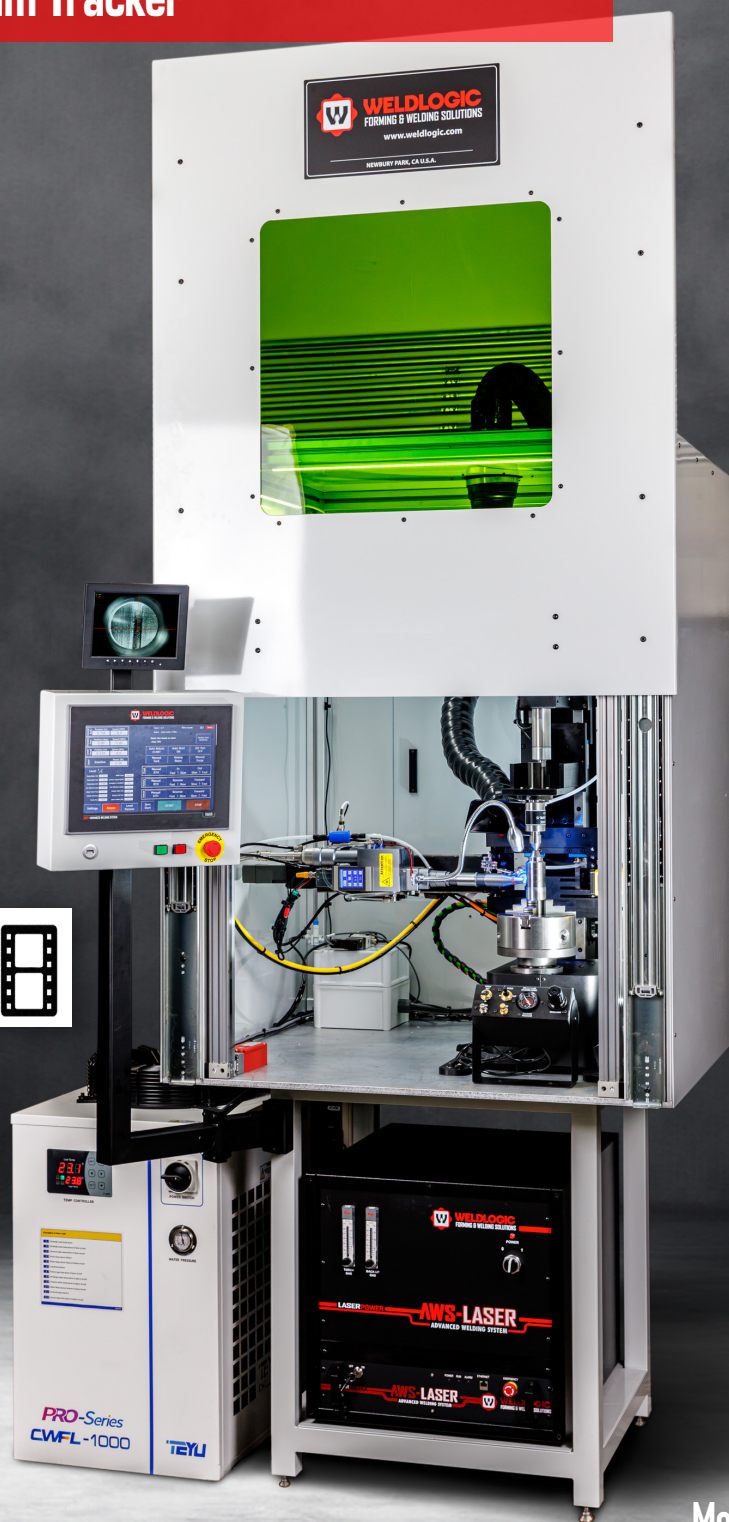


**WELDLOGIC**  
FORMING & WELDING SOLUTIONS

WELDING SOLUTIONS  
FOR ADVANCED  
MANUFACTURING

## High Production C.N.C. Laser Suppressor Welding Cell Includes Optional Seam Tracker

*Deep Penetration.  
Zero Warpage.  
Fully Automated.*



▶ **CLICK HERE TO  
SEE IT IN ACTION**



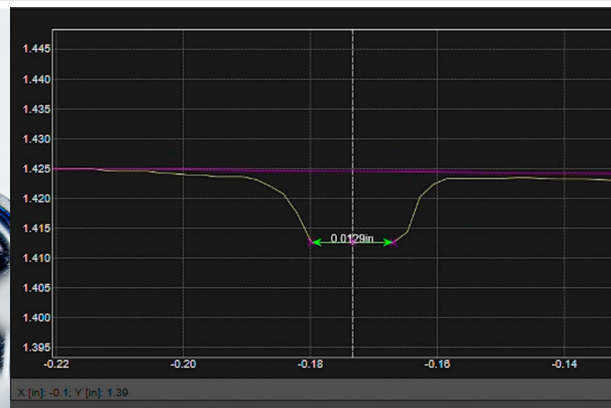
Plasma | TIG | Laser | MIG | Sub-Arc

More info on page 2 and 3 ▶▶

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### ▼ Fully Automated High-Precision Laser Welding

The Weldlogic AWS Vertical Circumferential Laser Weld Cell is a fully automated, Class 1 Laser Safe work cell engineered for high-precision, high-throughput circumferential seam welding on cylindrical, tubular, and can-style components. Vertically oriented to maximize floor space efficiency, this system delivers repeatable, low-heat-input welds on the most demanding hermetic seal, tube-to-flange, and precision assembly applications.

### Benefits ▼

- Laser Delivers Deep Penetration with minimal heat input compared to "all other welding processes".  
No-Warpage
- Programmable Weld Schedules that store and repeat the result using A.C. Servo drives and closed loop laser wattage that repeats to better than +/-1%
- Optional Seam Tracker enables machining tolerances and still keeps Laser Beam right in the sweet spot every time.
- Machine runs automatically enabling operator to perform assembly tasks or other operations.

### Vertical Orientation. Maximum Efficiency. ▼

The vertical design minimizes floor space while enabling superior access to the weld zone — delivering consistent, low-heat-input circumferential seams ideal for the tightest tolerance applications

### Fully Integrated. Zero Compromise. ▼

Built around a precision vertical welding lathe, fiber laser, and CNC controlled programming — the AWS Vertical Laser Weld Cell integrates automated part handling with feeders, loaders, and ejectors for a true lights-out capable production platform. Advanced features including seam tracking and beam oscillation ensure consistent weld quality on every part, every cycle.

### Features ▼

- C.N.C. Motion Control with Multi-Axis high speed Servo repositioning and welding
- High Efficiency Fiber Laser offers a decades of reliable Laser Power Delivery
- Laser Beam Oscillation to widen or narrow the welding bead to fit the weld joint
- Unlimited Memory to recall a weld program and switch over time less than 1 minute
- Platform accommodates a robot to perform loading and unloading of suppressors

## 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!



