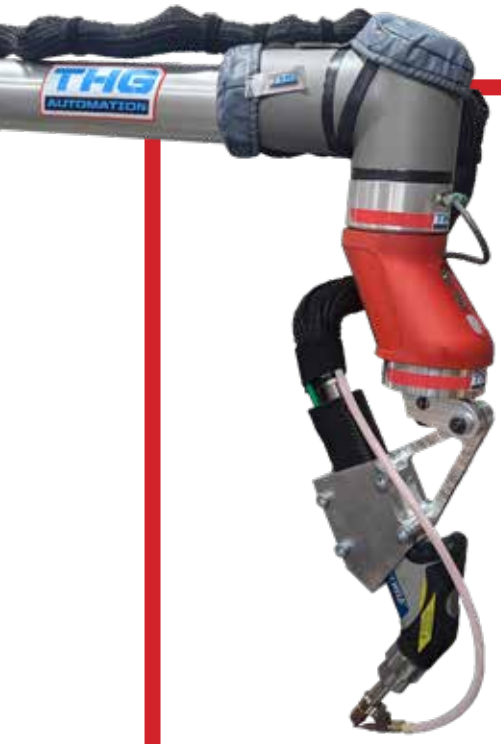
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URW-2LF

IPG Laser Weld System

THG Automation has created the URW-2LF, a laser welding solution that takes a lightweld IPG torch and turns it into a cobot laser welding system. Using our same easy-to-use interface, our laser solution takes the jitters out of your welds and makes them consistent. Easily teach the robot and get back to just adding parts.

Laser brings precision to welding. Now you don't need the hands of a surgeon to get beautiful consistent welds.

High speed, low heat input, and a small HAZ makes laser welding thick, thin, reflective materials, and materials with dissimilar thicknesses far less challenging for all skill levels.

Pre-weld cleaning remove oxides, rust, paint, oil, or grease from surfaces to be welded. Post-weld cleaning removes soot and weld-related debris.

- Robot repeatability
- Built-in Safety Interlocks
- High speed - low heat input
- Cold & hot wire feed available
- Spot size at 15 microns
- Adjustable wobble up to 5mm
- Peak power up to 2000w
- Weld cleaning function
- Positioner compatible

We are always adding more options-
Give us a call if you don't see what you're looking for!

