



## Laser Weld System

### URW - 2LF

Industrial Cobot Laser Welding System for shop jobs and quick production welding projects. Complete system with table and clamp kit.



THG Automation has created the URW-2LF single-phase industrial COBOT laser welding solution for operations needing automated laser welding at an affordable price.

This solution is great for manufacturing operations requiring high-quality, consistent results across a wide range of materials and thickness - perfect for aerospace, food grade, and fine heat input welding applications.

Using the LightWeld 1500 XR power source, you can weld a wide range of materials. This system can also be used to clean before welding or after the welding process.

**Simple to Teach, Elevated Function, Easy to Weld.**



#### Welding Simulation

Turn the welding process on or off at any point during program execution.



#### Teach Button

Teach waypoints from the welding torch adapter to make setting up programs quicker.

**Fusion Weld:** Fusion weld up to 3 ga aluminum, 4 ga steel, 6 ga titanium & nickel alloys, & 12ga copper. Seams to easily replay for multipass welding.

**Copy And Pattern Welding:** Move, copy, or pattern welds.

**Stitch Weld:** Set two points, weldlength, & the number of welds for a series of stitch welds.

**Starter Kit:** Includes contact tips & tools.

**Siegmund Weld Table & Fixture Kit:** Comes with each table.

**FREE** software updates.

### Add-On Options:

**Dual Table Kit:** Increased work area, double the Siegmund tools, and two station operation.

**Up to six rotational or linear positioners.**

**Universal Robot UR20 for longer reach.**

**Wire feeder:** soft and hard wire feeding in steel, stainless, nickel alloys, aluminum, copper

**Modular System:** The system easily grows with your needs by purchasing additional features as you need them.

**Weaving:** Set weave pitch, length, angle, dwell left & right.

**Pendant Armor:** Screen & teach pendant protector.

**Robot Protector:** Arm spatter guard system.

**Three year limited warranty** on system.

**Cleaning Mode:** Clean weld pre- or post-weld with cleaning mode.

# Laser Weld System

THG has created a full line of modular systems tailor-made for every customers' production needs. The Laser Weld System brings all of IPG's capabilities to your fingertips for Agile Production at its best.



## Specifications

Input	200-240 single-phase power
Wobble Size	Up to 5mm
Table Dimensions L x W x H	36in x 48in x 32in
Spot Size	15 Microns

The robots run from 120 volts to 240 volts.

### IPG Laser features:

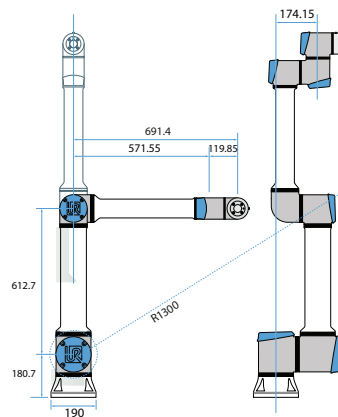
- Up to 1500 w on single-phase power
- Cleaning function

### Fixture kit per table:

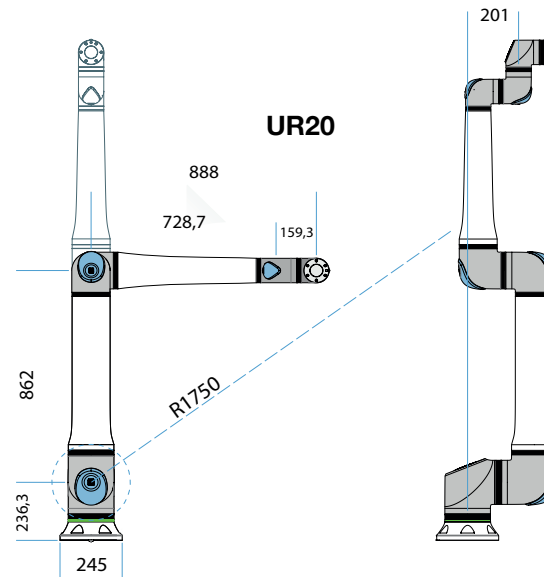
8 X Professional Screw Clamp  
(Nitrided) 24 X Short Fast Clamping Bolt (Burnished) 16 X 5" Universal Stop (Nitrided) 8 X Stop and Clamping Square (12" Tall) (Nitrided) Table Maintenance Set

- World-class welding processes for perfect welds
- Welds carbon steel, stainless steel, aluminum, and other metals

UR10e



UR20



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