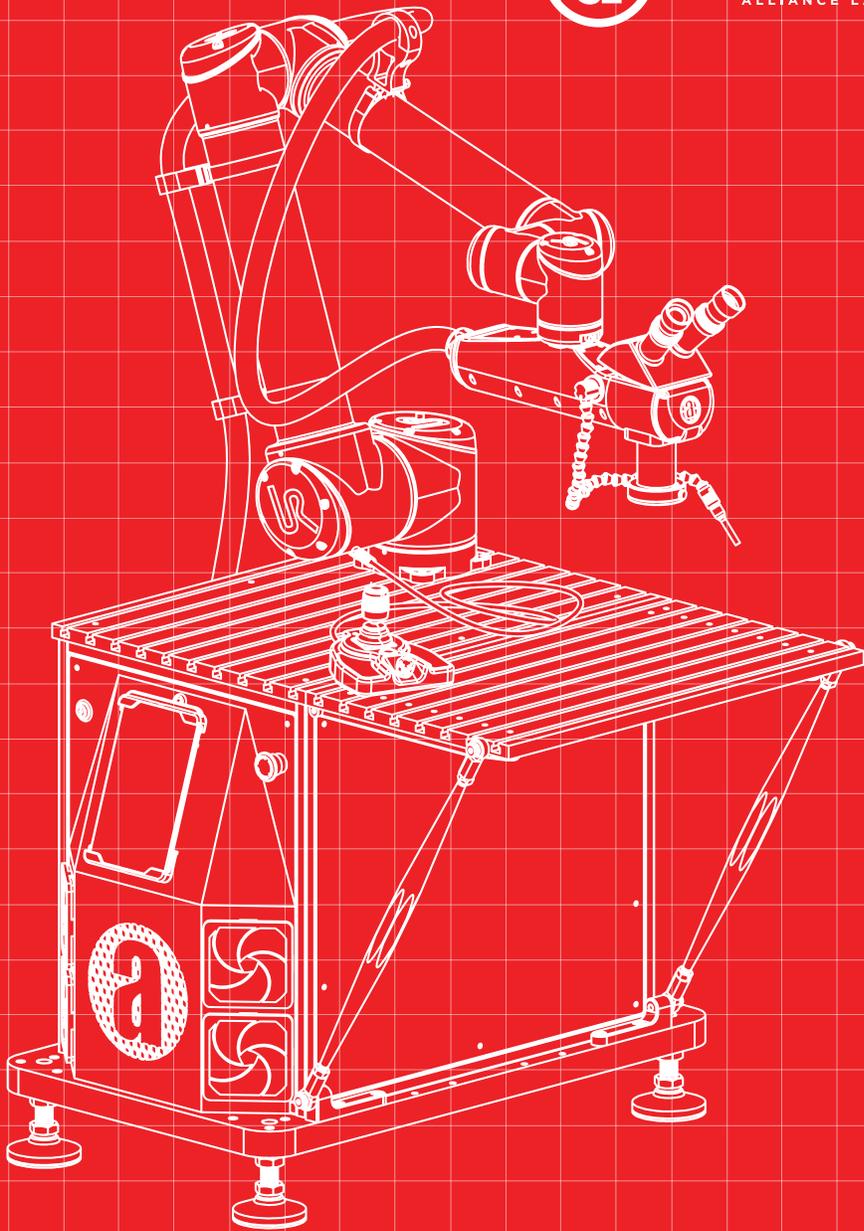




ALLIANCE

ALLIANCE LASER SALES, INC.



a1D1UR

ROBOTIC LASER WELDING SYSTEM

ID·UR

ROBOTIC LASER WELDING SYSTEM



- 1** INTEGRATED TOUCHPAD FOR SETTING AND STORING PROCESS PARAMETERS
- 2** 20x LEICA MICROSCOPE WITH CROSSHAIRS FOR FOCAL CLARITY AND AIMING PRECISION
- 3** UNIVERSAL ROBOT™ CO-BOT
- 4** TILT AND ROTATION ADJUSTMENTS FOR ERGONMIC POSITIONING AND PART FLEXIBILITY
- 5** SHIELD GAS NOZZLE SYSTEM FOR CLEANER WELDS
- 6** ACCOMODATES PALLET JACK FOR PORTABILITY
- 7** 220V SINGLE PHASE POWER REQUIREMENT
- 8** 300-600 W SOLID STATE LASER POWER SYSTEM
- 9** AIR COOL POWER SUPPLY
- 10** PROGRESSIVE JOYSTICK WITH COMPLETE 6 AXIS MOVEMENT CONTROL, 2 SPEED RANGES AND MULTIFUNCTION SWITCH
- 11** UNIVERSAL ROBOT™ PROGRAMMING PENDANT
- 12** LEVELING FEET FOR STABILITY

INTELLIGENTLY DESIGNED FOR MANUFACTURING FLEXIBILITY

Automation is a key component of manufacturing, and that need is only going to continue to grow. Laser welding is now a proven technology when it comes to tool repair and production application. We figured it was time to marry the two technologies into the first ever, Robotic driven, laser welding system for mold repair, repetitive welds, and light automation.

The all-new American-Made ID1-UR is a laser welding system engineered to handle every project that comes your way. Built utilizing a Universal Robot™ UR10e co-bot to control the 6 axis either by joystick control, UR pendant, or automated programming; production laser welding applications have never been easier, and you can use the same system for all of your tool repair needs.

The ID1-UR comes standard with 300 watts of fiber laser power allowing you the ability to weld virtually any and all tooling steels including; Aluminum, MoldMax, and Copper without the need for a chiller, or costly maintenance worries.

<p>MACHINE BENEFITS:</p> <ul style="list-style-type: none"> • Very versatile and easy to use • Low maintenance fiber laser • Outstanding control • Very little wear on parts • Teach planes for production welding • Flexibility to work on complex jobs 	<p>FIBER LASER BENEFITS:</p> <p>Fiber lasers are the most efficient easiest to maintain laser made today. They use diodes coupled with fibers to replace the YAG crystal and lamp assembly that typically wear down. These laser types have extended service life, higher power versatility, and greater wall plug efficiency.</p>
	<p>MATERIAL APPLICATION:</p> <p>Most tool steels, Copper based materials, Aluminum, Gold, Silver, Titanium, Stainless Steels, some exotic materials, etc.</p>

aID-1UR

ROBOTIC LASER WELDING SYSTEM

TECHNICAL SPECS:

	300 Watt	450 Watt	600 Watt
PRODUCT NAME:	ID - 1 UR ROBOTIC LASER WELDING SYSTEM		
LASER SAFETY:	CLASS 4 STANDARD		
BEAM SOURCE:	IPG FSS - FIBER LASER		
WAVELENGTH:	1070 nm		
MAX PULSE ENERGY:	30 Joules	45 Joules	60 Joules
MAX AVG POWER:	300 Watt	450 Watt	600 Watt
ENERGY ADJ MODE:	10 - 100%		
VOLTAGE:	220 V Single Phase		
PULSE WIDTH:	0.1 - 20 ms		
MODES:	PULSED / CW		
PULSE FREQUENCY:	1 - 50 Hz *		
FOCAL LENGTH:	200 mm STANDARD *		
SPOT SIZE:	0.002" - 0.060"		
MICROSCOPE TYPE:	LEICA® 10x STEREO MICROSCOPE *		
ILLUMINATION:	INTEGRATED LED RING LIGHT		
ROBOT:	UNIVERSAL ROBOT™		
JOYSTICK:	3-AXIS HAUL EFFECT WITH MULTIFUNCTION SWITCH		

* - OPTIONS AVAILABLE



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