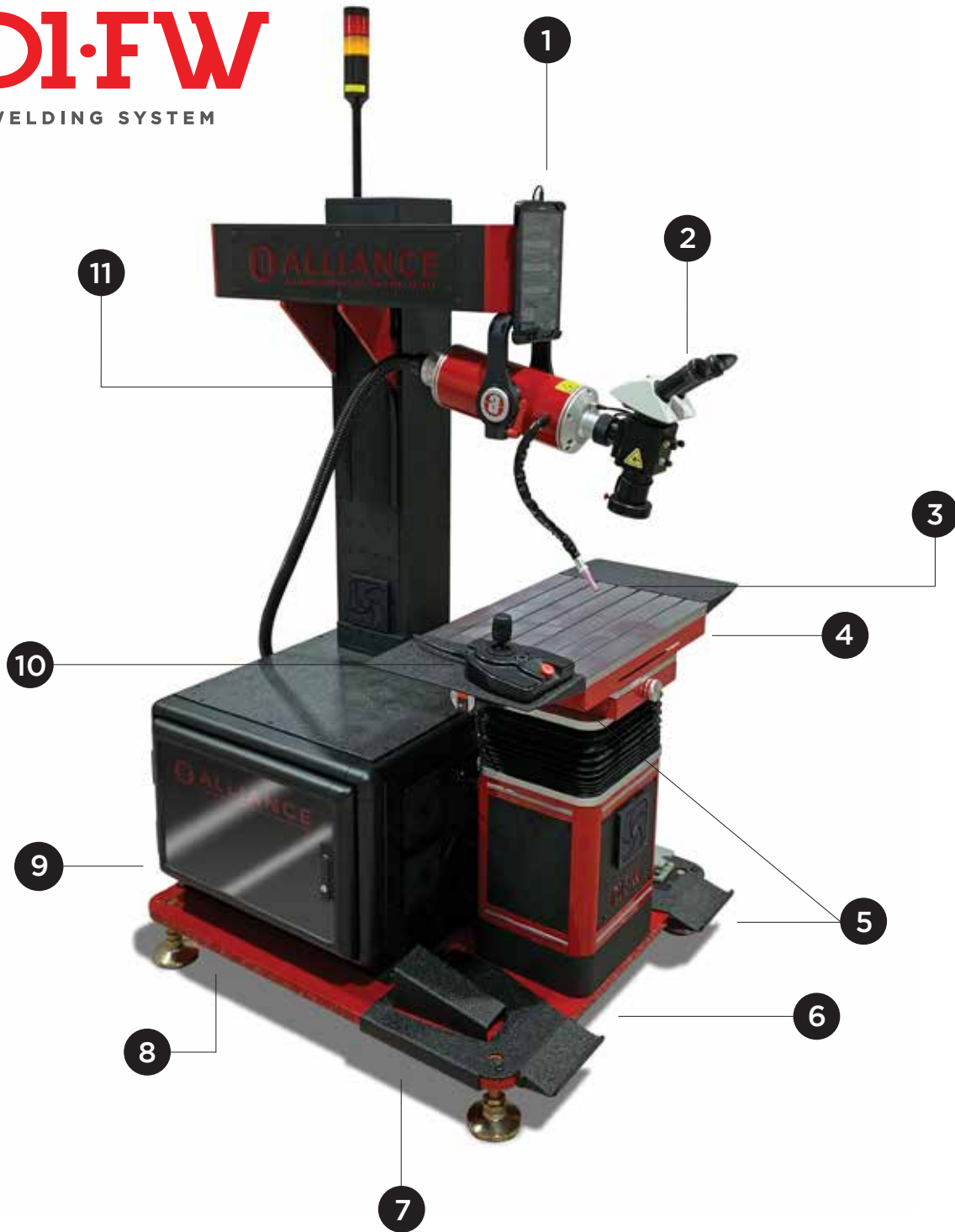


a IDL-FW

LASER WELDING SYSTEM

FIBER TECHNOLOGY INTELLIGENTLY DESIGNED FOR THE MOLDING INDUSTRY.



- 1** INTEGRATED TOUCHPAD FOR SETTING AND STORING ALL PROCESS PARAMETERS
- 2** LEICA MICROSCOPE - WITH CROSS HAIRS FOR FOCAL AIMING PRECISION AND REAL-TIME VIEWING
- 3** ASSIST GAS NOZZLE SYSTEM FOR CLEANER WELDS
- 4** MOTORIZED XYZ T-SLOT TABLE
- 5** JOYSTICK AND FOOT PEDAL FIRING METHODS
- 6** ACCOMODATES PALLET JACK FOR PORTABILITY
- 7** 300-600 W SOLID STATE LASER POWER SYSTEM
- 8** 220V SINGLE PHASE POWER REQUIREMENT
- 9** NO CHILLER NECESSARY
- 10** PROGRESSIVE JOYSTICK WITH COMPLETE XYZ MOVEMENT CONTROL AND 2 SPEED RANGES
- 11** TILT AND ROTATION ADJUSTMENTS FOR ERGONMIC POSITIONING AND PART FLEXIBILITY

INTELLIGENTLY DESIGNED FOR THE MOLDING INDUSTRY

The ID1FW-Fiber fixed workstation is a pure, hands-on, compact, flexible laser welding machine. Every part of the FW is easily adjustable to allow users the versatility and flexibility needed to meet the demands of smaller jobs.

Utilizing the advances of Fiber laser compared to older laser technology the ID1-FW requires little to no maintenance, which means less downtime resulting in greater efficiency. The FW features a smaller footprint that will fit almost any shop space and has unique head position configurations for greater job flexibility, as well as a full-range processing selection for numerous shop applications.

MACHINE BENEFITS:

- Compact footprint
- Attached XYZ motorized T-Slot worktable
- Ideal for inserts and smaller jobs
- Very little wear on parts
- Energy efficient
- 3-axis joystick control

FIBER LASER BENEFITS:

Fiber lasers are the most efficient and easiest lasers to maintain available. They use diodes coupled with fibers to replace the YAG crystal and lamp assembly that typically wears down parts. These types of lasers are extremely LOW maintenance, have higher power versatility, and a greater wall plug efficiency.

MATERIAL APPLICATION:

Most tool steels including: copper based materials, Aluminum, Gold, Silver, Titanium, stainless steels, some exotic materials, etc.

IDI-FW

LASER WELDING SYSTEM

TECHNICAL SPECS:

	300 Watt	450 Watt	600 Watt
PRODUCT NAME:	FW FIBER LASER WELDER		
LASER SAFETY:	CLASS 4 STANDARD		
BEAM SOURCE:	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® 20x STEREO MICROSCOPE *		
ILLUMINATION:	INTEGRATED LED RING LIGHT		
MOTORIZED X-AXIS TABLE TRAVEL:		9.5"	
MOTORIZED Y-AXIS TABLE TRAVEL:		4.5"	
MOTORIZED Z-AXIS TABLE TRAVEL:		6.0"	
JOYSTICK:	3-AXIS HAUL EFFECT WITH LASER TRIGGER		

* - OPTIONS AVAILABLE



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