

FLEXX WORKSTATION

Alliance Laser Sales, the premier dealer for laser welding machines and accessories in the United States, has formed a new partnership with Vision GmbH, the world leader in laser engineering. Vision GmbH supplies some of the biggest names in the laser welding industry with everything from laser crystals to wires, and now we are proud to bring their superior product to you.

Offering unmatched service and support, as well as custom solutions tailored to our customers needs, Alliance Laser Sales is looking to introduce the United States to the latest and greatest that the world has to offer.



WORKING PLATFORM

Workpiece Weight:	220lbs, center (882lbs optional)
Holding Plate:	T-slot plate 14.5in x 31.4in
Workpiece Motion:	Motor-operated via joystick
Traverse Rate:	Adjustable via joystick
Inert Gas:	3 inputs & microprocessor controlled delay (1 input is standard)

The LWI IV FLEXX Workstation is the gold standard of laser welding machines. Whether you need a laser welding machine for standard solutions or individually specialized configuration, single component or series production, this machine will meet all of your mold repair needs.

LASER INFORMATION

Beam Source:	Nd:YAG	Pulse Frequency:	Single pulse upto 20 Hz
Pump Source:	Flash-Lamp	Pulse Fill Mode:	10 - 100%
Wavelength:	1064 nm	PWM:	1 - 100%
Operating Mode:	Pulsed Laser System	Pulse Forming:	Freely programmable (option)
Max. Avg. Output:	120W (200W)	Energy Meter:	Integrated
Max. Power:	80 Joules (100 J)	Microscope:	Leica Top 20x Eyepieces
Max. Peak Power:	10 kW	Cooling 120W:	Enclosed water / air heat exchanger
Spot Diameter:	200um - .09 Motor Powered	Cooling 200W:	Water / water heat exchanger with Temperature controlled load control
Focal Length:	7.4 (others available)	Supply Voltage:	380 volts, 3-phase, 50/60Hz
Power Adjustment:	Via Voltage or PWM Feature		
Pulse Length:	0.5 - 20 ms		

All systems feature microprocessor-controlled functions and are equipped with an automatic self-diagnostic system. All systems have CAN and RS 234 interfaces.