

UNIX III 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.



Built from the ground up with mold makers in mind.

Ergonomically redesigned for comfort over long periods of use, the Unix III features an adjustable removable base for easy application to any size job. A wide travel range of the X-Y stages, allows you to work on large areas without having to reposition the part.

The Unix III is the only machine of its kind offering high grade automated control, laser movement synchronization, laser-marking technology, and a state-of-the-art teach-in program providing automatic driving of the most complex 3D geometries.

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
Focal Length:	7.4 (others available)		Temperature controlled load control
Power Adjustment:	Via Voltage or PWM Feature	Supply Voltage:	380 volts, 3-phase, 50/60Hz
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.

