

W200 LASER STATION

The first all purpose laser welding platform

Alliance Laser Sales, the premier dealer for laser welding machines and accessories in the United States, has formed a new partnerships with many of the world leader in laser engineering. Vision GmbH and CST supply 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.



Specifically Engineered for the High Percision Mold Repair.

Its working principle is to take the advantages of laser deposit welding and uses the technology of collective and spot welding with high heat of laser. It can effectively treat the welding defects of tiny parts and conduct repair work. This technical advantage fills the gap that traditional argon-arc welding and cold welding can not reach for repairing the fine welded surfaces. Featuring the first completely adjustable 200 x 400 mm XY head with a 700 mm 2 travel slide, this is the machine for mold repair needs.

LASER INFORMATION

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| Beam Source: | Nd:YAG | Power Adjustment: | Via Voltage or PWM Feature |
| Pump Source: | Flash-Lamp | Pulse Length: | 0.5 - 20 ms |
| Wavelength: | 1064 nm | Pulse Frequency: | Single pulse upto 20 Hz |
| Operating Mode: | Pulsed Laser System | Pulse Fill Mode: | 10 - 100% |
| Max. Avg. Output: | 200W | PWM: | 1 - 100% |
| Max. Power: | 120 Joules | Pulse Forming: | Freely programmable (option) |
| Max. Peak Power: | 8 kW | Energy Meter: | Integrated |
| Spot Diameter: | 0.10-3mm | Microscope: | 10x Magnification |
| Focal Length: | 100mm | Cooling 200W: | Water / water heat exchanger with Temperature controlled load control |

All systems feature microprocessor-controlled funtions and are equipped with an automatic self-diagnostic system.

