

SL-50 V-3



Application: The SL-50 laser welder is an upgrade to, and based on, the very successful ALS-35S model laser welder. For use in production and repair of jewelry, fine welding of small mechanical parts.

- A new generation in laser welding for high demands in continuous operational environments.
- Robust power supply perfectly designed and appropriate for welding silver, copper, and 24kt gold.
- Especially suitable for production due to its max. averaged performance of 120 watt and a pulse frequency of 25 cycles per second.
- Processing time is reduced to a minimum especially when welding seams.
- The optional microbeam diameter can be reduced to a mere 0.05mm. This is especially beneficial for very delicate work pieces.
- Work chamber with removable bottom gives additional flexibility for welding larger pieces.



SL-50 V-3 Technical Data	
Laser Crystal	Nd: YAG 1064 nm
Laser Power	10 KW 120 W
Pulse Energy	0.15 - 95 Joule
Pulse Duration	0.5 - 20 ms
Spot Diameter	0.2 - 2.0 mm motorized
Pulse Frequency	0.5 - 25 Hz Single - Continuous
Pulse Shaping	Yes - Standard
Microscope	Leica - Stereo - 10 x
Cooling	Air & Water
Gas & Air Inlets	Yes
Electrical Connection	200 - 240 V / 50 - 60 Hz / 16 amp
Dimensions (H x W x D)	1350 mm x 550 mm x 800 mm
Weight	appx. 270 lbs.