

Mobile laser welder for material deposit welding

ALM 150

Technical Data

Manufacturer	ALPHA LASER GmbH Zeppelinstraße 1 D-82178 Puchheim
Measurement supply unit (L x W x H)	700 x 600 x 1400 mm
Weight	approx. 175 kg
Movable arm length	1200 mm
Electrical connection	380V / 50 Hz - 60 Hz / 16 A / 8 kW triple phase
air cooled	
Laser crystal / wavelength	Nd:YAG, 1064 nm
Average power	120 W
Pulse energy	100 mJ-100 J
Peak pulse power	12 kW
Pulse duration	0.5-20 ms
Pulse frequency	single pulse -15 Hz/continuous pulse
Range of setting	0.2 - 2.0 mm
Focal length	f 150 mm
Optical Viewing System	Stereo-Microscope / model Leica 14 fold magnification
Field of vision diameter	21 mm

The system consists of:

- Supply unit with laser unit and movable arm
- Processing head with optical viewing system Leica
- Focussing optic
- UV protection device
- Multifunctional-Footcontrol
- Protection gas supply

The processing head can be positioned freely in the room

