

New Generation ALM 200 - 250

www.Lawitex.de
info@Lawitex.de

- More floor clearance for pallet truck access
- Laser control up to 100 Hz
- CWS Laser power supply
- Laser control with larger display
- Motor control with touch display

The unique mobile one

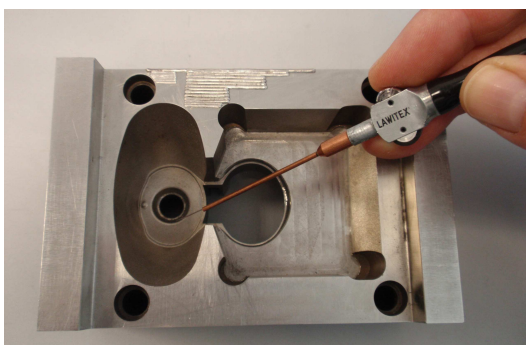
The ALM welding laser unit opens up new application areas for joining and repair welding. Whether on site at the customer's plant or in-house, this unit allows unprecedented mobility. It is especially suitable for working on large moulds, dies, housings and machine parts of all sizes. The laser arm can be positioned flexibly with millimetre accuracy. A turn-and-tilt processing head enables working on any point of the workpiece, even in deep cavities. During welding, the arm can be moved with a joystick, semi-auto-matically, or under remote control. The optional swivelling optics support alignment of the laser beam on the workpiece, thus assuring an ergonomically favourable working position even with complex cavity shapes

From competent advice in the selection of the appropriate laser system, for your business, to quick response times by our fully trained technical support team.

Our team of application engineers will elaborate process parameters and complete solutions for the individual problems of our customers



ALM mobile welding



manual wire feeding

Technical Data	ALM 200 mobile	ALM 250 mobile
Laser		
Wavelength	1064 nm	1064 nm
Average power	200 W	250 W
Peak pulse power	9 kW	9 kW
Pulse energy	90 J	90 J
Pulse duration	0,5 – 20 ms	0,5 – 20 ms
Pulse frequency	single pulse up to 100 Hz	single pulse up to 100 Hz
Welding spot Ø	0,2 – 2 mm	0,2 – 2 mm
Focussing lens	150 mm	150 mm
Pulse shaping	Adjustable power-shaping within a laser pulse	
Control	User-specific operation with up to 128 parameter sets	
Viewing optics	Leica binocular with eyepieces for spectacle wearers, tiltable and rotatable	
Working range	Open system Motorised motion system Movement of the arm/processing head can be carried out manually or motor driven under joystick control x,y: 120 x 120 mm z: 1200 mm	
Lowest working position	450 mm	
Highest working position	1500 mm	
Arm travel	1300 mm	
Mechanical dimensions		
L x B x H	1410 x 730 x 1585 mm	1410 x 730 x 1585 mm
weight	approx. 320 kg	Approx. 320 kg
Electrical supply	3 x 400 V / 50-60 Hz / 3 x 16 A / 8 kW	
Cooling	Air cooled with internal cooling water circuit	
Options	<ul style="list-style-type: none"> - Turn- and – tilt optics - Tiltable turntable with chuck for horizontal to vertical rotation - Remote control - Camera-System - ErgoWedge - External chiller 	