

AL 500

With an average power of 500 W, the AL 500 is the most powerful of our ALs.

With this high performance laser extremely fast and efficient welding is possible since wires with large diameters can be used.

With the AL 500 we recommend the ALFlak movement system or alternatively our table AL-T 500.



mobile repair welding



combination AL with ALT 500

Technical data	AL 500
Laser	
Average power	500 W
Peak pulse power	15 kW
Pulse energy	100 J
Pulse duration	0,5 – 20 ms
Pulse frequency	-100Hz (under observation)
Welding spot diameter	0,5 – 2,5 mm
Focusing optics	150 mm
Pulse shaping	Adjustable power-shaping within a laser pulse
Control	User-specific operable with up to 124 data records á 5 parameters interface for external controls
Viewing systems	Leica binoculars with oculars suitable for wears of glasses
Supply unit	
Dimensions LxWxH	1060 x 570 x 1000
Weight	180 kg
Laser beam source	
With focusing unit (length x ø)	800 x 120 mm
Weight	25 kg
Electrical connection	3 x 400 V / 50-60 Hz / 3 x 32A
Options	<ul style="list-style-type: none"> - Turn and tilt optics - Telescope available in 3 versions - Tilttable turntable with chuck for horizontal to vertical rotation - TV systems for demonstrating and observing the welding process - LAfet programmable laser wire feeder - External chiller necessary