

ALM

The number 1. mobile laser

Nd:YAG-LASER POWER (WATT)

200 250 300



The system meets the high safety requirements of performance level d.

LASER (technical values see p. 58/59)

Display and operation

Display with keypad. Laser parameters can also be set using a multifunctional footswitch, motor controls can be set through a touch screen or optional external operating unit.

OBSERVATION OPTIC

Leica microscope attachment with eyepieces for glasses wearers, 10 x, optional 16 x

WORK AREA

The processing head can be freely positioned in the space and additionally moved using a joystick

Movement speed (X, Y, Z)	0 to 25 mm/s
Movement range (X, Y, Z)	120 x 110 x 800 mm
Lowest working point	530 mm
Highest working point	1590 mm
Arm deflection	1300 mm

EXTERNAL DIMENSIONS

W x D x H	730 x 1410 x 1585 mm
Weight	320 kg

EXTERNAL CONNECTIONS

Electrical connection	3 x 400 V / 50 - 60 Hz / 3 x 16 A
External cooling	ALM 200: Optional ALM 250, 300: Prepared

OPTIONS

Turn-tilt-objective // rotating axis with chuck with chuck, tiltable, for horizontal to vertical rotation // external operating unit // Camera system for demonstrating and observing the welding // Ergo wedge



Find out more in our product video

We recommend the **ALM** to users who want to carry out welding tasks flexibly and quickly – whether on large or small workpieces – and for whom high peak power is important.

The ALM is ready to use within minutes. The rotatable laser arm can be positioned quickly and fixed in the desired working position using electro-hydraulic brakes. You can choose to weld manually using a

joystick, semi-automatically or using an external control unit with a pulse function.

The laser system has a powerful and application-optimized PLC with new functions. E.g. the user coordinate control, which is programmable in the range 50 x 50 mm.

With the ALM you gain internal and external mobility.