

# ALFlak

Self-propelled, robust,  
programmable

## Nd:YAG-LASER POWER (WATT)

200 300 500



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

## LASER (technical values see p. 58/59)

### Display and operation

**ALFlak 200, 300:** Display with keypad. Adjustment of the laser parameters additionally via multifunctional foot switch. WINLaserNC software via external PC.  
**ALFlak 500:** Display with touch function. Adjustment of the laser parameters additionally via multifunctional foot switch. WINLaserNC software via integrated PC.

## OBSERVATION OPTIC

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

## WORK AREA

Movement speed (X, Y, Z)	0 to 25 mm/s
Movement range (X, Y, Z)	340 x 330 x 370 mm
Lowest working point	200 mm
Highest working point	1500 mm
Arm deflection	1500 mm

## EXTERNAL DIMENSIONS

W x D x H (base unit incl. chassis)	1200 x 1200 x 1100 mm
Weight	With caterpillar track approx. 850 kg, without approx. 550 kg

## EXTERNAL CONNECTIONS

Electrical connection	<b>ALFlak 200, 300:</b> 3 x 400 V / 50 - 60 Hz / 3 x 16 A <b>ALFlak 500:</b> 3 x 400 V / 50 - 60 Hz / 3 x 32 A
External cooling	<b>ALFlak 200, 300:</b> Prepared <b>ALFlak 500:</b> Cooling required

## OPTIONS

Turn-tilt-objective // function micro welding (not available for ALFlak 500) // rotating axis with chuck, tiltable, for horizontal to vertical rotation // Camera system for demonstrating and observing the welding // Ergo wedge // AL-DV programmable laser wire feeder



Learn more in our  
product data sheet

The **ALFlak** flexible laser system for deposition and contour welding has you optimally equipped. Whether you want to make repairs and modifications or produce in series, you can effortlessly process sheet metal, aluminum, stainless steel and sectional steel.

Choose the laser source that fits your requirement: You can choose Nd:YAG 200 and 300 W laser sources, which we recommend for applications in the mould and tool application.

The model with 500 W is ideal for the maintenance and repair of spindles and shafts.

The **ALFlak's** laser arm projects great distance to effortlessly reach its welding position, even in deep or complex molds. Welding seams up to 340 mm are possible. Your bonus: you can carry out your welding task without permanent relocation.