

ALFlak MAX

An especially
long reach



Learn more in our
product data sheet

With its laser arm almost 2.80 m long, the **ALFlak MAX** offers a large range and a swivel radius of 1.90 m. As a service provider or mold maker, you get even more flexibility for your applications.

Whether pressing tools, large molds or machine components – simply drive the ALFlak Max with its self-propelled caterpillar track to the workpiece, align the laser arm to the welding point and start welding. Welding seams up to

340 mm in length are possible without removing. A rotatable laser head, the unique optional tilt/swivel lens and various focusing lenses ensure that you can reach (almost) every part of the workpiece with the laser beam.

The ALFlak Max is available in two versions: with a self-propelled caterpillar track or a model that can be moved manually with a forklift.

Nd:YAG-LASER POWER (WATT)

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. Adjustment of the laser parameters additionally via multifunctional foot switch. WINLaserNC software via external 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)	320 x 330 x 370 mm
Lowest working point	510 mm
Highest working point	1870 mm
Arm deflection	2700 mm

EXTERNAL DIMENSIONS

W x D x H (base unit incl. chassis)	1200 x 1200 x 1300 mm
Weight	With caterpillar track approx. 910 kg, without approx. 610 kg

EXTERNAL CONNECTIONS

Electrical connection	3 x 400 V / 50 - 60 Hz / 3 x 16 A
External cooling	Prepared

OPTIONS

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