

ALFlak Max

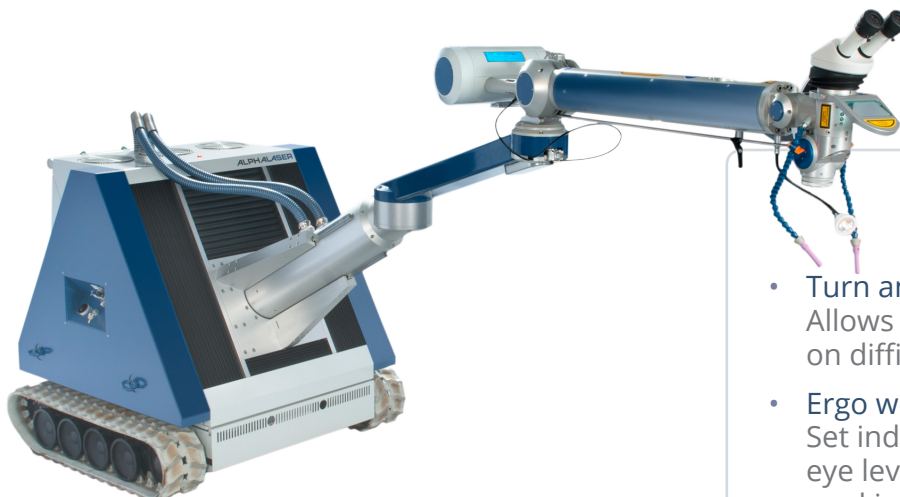
The long ranged mobile laser

With a long arm of about 2,8 meters, the ALFlak Max gives you an increase movement area and more flexibility for your welding and contour overlays.

The self-propelled tracked chassis allows you to drive the machine directly to the the welding spot.

On site, it is very easy to reach the most difficult and challenging working points, even with three-dimensional work pieces. Thanks to the fast positioning function, you can also easily fix the laser arm exactly where you need it to be.

You can produce 340 mm welding joints without any break, even on hard to reach welding spots.



The unique UCC feature (User Coordinate Controller) makes welding significantly easier on slanted surfaces thanks to the Teach-in function.

Options

- **Turn and tilt objective**
Allows for a flexible work, even on difficult work positions
- **Ergo wedge**
Set individually the required eye level for an ergonomic working position
- **Rotating axis**
Rotates the work piece
- **Video system**
To watch and show the welding processes

Technical data

Dimensions	Base part	Approx. 1200 x 1200 x 1100 mm
Weight	Tracked chassis included	Approx. 910 kg
Laser	Average power	250 W
	Peak pulse power	9 kW
	Pulse energy	90 J
	Pulse frequency	Single pulse – 100 Hz
	Pulse duration	0.5 ms – 20 ms
	Welding spot diameter-Ø	0.2 – 2.0 mm
	Focusing optic	Leica binoculars with oculars suitable for wearers of glasses
	Pulse form	The power range of the laser pulse can be configured
Work range	X, Y, Z	4600 x 3940 x 2030 mm
Moving range	X, Y, Z	340 x 320 x 420 mm
	Lowest working point in mm	80,5 mm
	Highest working point in mm	2010 mm
Electrical connection	Three phases	3 x 400 V, 50-60 Hz, 3 x 16 A
Versions	Available in two different versions	Mobile version with the self-propelled tracked chassis
		Stationary version with a base built for a forklift transport

