

ALFlak 1200F

Complete machine



The **ALFlak 1200 F** is already a complete machine. The system is ideal for automated processes: either with the AL-DV automatic wire feed or with the powder nozzle for powder deposition welding. For even easier programming, the Mabotic scanner kit is available for scanning, programming and welding complex component geometries.

For powder deposition welding the powder nozzle **LASERHEAD-P** and the powder feeder **AL-PF** are needed. A heavy-duty rotary axis or a rotary axis for smaller parts round off the systems.

FIBER LASER POWER (WATT)

1200



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

LASER (technical values see p. 58/59)

Display and operation

Setting of the laser parameters via touch screen and multifunctional foot switch. Operation of WINLaserNC software via touch screen.

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	565 mm
Highest working point	1780 mm
Arm deflection	approx. 1400 mm

EXTERNAL DIMENSIONS

W x D x H (base unit incl. chassis)	1200 x 1030 x 1150 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	Water cooled laser modules: system can only be operated with an external cooling unit

OPTIONS

Water-cooled turn-tilt-objective // sealing air // cross jet // various rotary axes // ergo-wedge // camera system // automatic wire feeder AL-DV // powder nozzle