

# AL-SERIES

With flexible equipment



Learn more in our product data sheet

Regarding power, laser source or equipment: the lasers of the **AL SERIES** are extremely flexible. Hence, the AL can be individually configured and perfectly adapted to changing tasks.

The devices of the AL SERIES are the perfect match for our worktables AL-T. However, they can also be integrated into existing machine structures.

You select the laser source depending on your requirements. Optionally, **Nd:YAG laser sources** with 100 - 300 W are available, which are characterized by a high pulse peak power. However, they can also be used to realize fine welds. It gets even finer with the optional, switchable fine welding option. This provides spot weld diameters < 0.1 mm for high-precision micro-welds.

## Nd:YAG-LASER POWER (WATT)

100 120 150



200 300



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

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

**Display and operation** Removable touch screen (for laser- and movement system)

## OBSERVATION OPTIC

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

## SUPPLY PART

**W x D x H (base unit)** 450 x 850 x 860 mm  
**Weight** **AL 100, 120:** 135 kg, **AL 150, 200, 300:** 150 kg

## LASER BEAM SOURCE

**With focusing unit (length x Ø)** **AL 100:** 820 x 120 mm,  
**AL 120, 150:** 990 x 120 mm  
**AL 200, 300:** 1100 x 120 mm  
**Weight** **AL 100:** 20 kg, **AL 120, 150:** 28 kg, **AL 200, 300:** 30 kg

## EXTERNAL CONNECTIONS

**Electrical connection** **AL 100, 120:** 200 - 240 V / 50 - 60 Hz / 16 A  
**AL 150, 200, 300:** 3 x 400 V / 50 - 60 Hz / 3 x 16 A

**External cooling** Optional

## OPTIONS

Turn-tilt-objective // function micro welding // 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