



futuristic

Photo: Käppeli Schweißmechanik AG, Hünenberg

ALS

State of the art technology combined with an attractive design. The ALS 100 is a distinguished and individual device.

This laser is just as suitable for skill-demanding welding tasks as it is in industrial production of small batches

The large working chamber offers a very brightly illuminated working area, loaded via 2 side doors. For work with larger pieces, part of the floor can be dismantled.

The average power of 100 W makes a quick pulsing rate possible (up to 25 Hz), even if high energy settings are used. Thus work can be done quickly and excellent welding results will be achieved, through the homogenous amalgamation of the working materials.

The ALS 100S sets the benchmark in the class of compact welding lasers. With 95 J and 10 kW it offers a high power potential, which proves itself when welding demanding materials such as silver and copper.



Technical data

	ALS 100	ALS 100S
Laser		
Average power	100 W	100 W
Pulse energy	60 J	95 J
Peak pulse power	7 kW	10 kW
Pulse duration	0,5 – 20 ms	
Pulse frequency	Single pulse 25 Hz	
Welding spot diameter	0,2 – 2,0 mm, infinitely variable settings	
Pulse shaping	3 pre-set pulse shapes	
Program memory	39 parameter data records can be stores	

Viewing system

Leica binoculars with oculars suitable for wearers of glasses

Mechanical dimensions

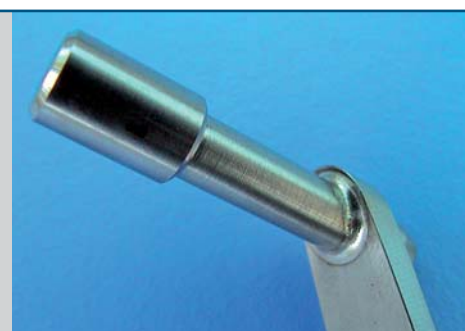
LxWxH in mm 800 x 570 x 1260
Weight approx. 70 kg

Electrical connection

200–240 V / 50–60 Hz / 16 A

Options

- > Ergo Wedge
- > Camera system
- > Micro-welding aperture for welding spot-Ø < 100µm
- > 50 Hz technology
- > Halogen dimmer
- > Illumination by LED ring



Positioning instrument
(Photo: Käppeli Schweißmechanik AG, Hünenberg)



Hip joint grate
(Photo: Käppeli Schweißmechanik AG, Hünenberg)