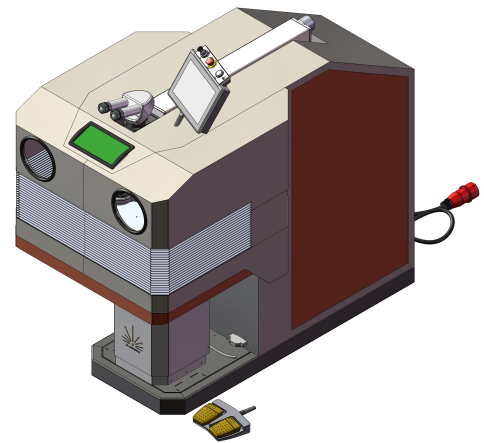


LASER CAB *The universal laser solution*

Highlights

- x/y and z-axes
- Touch display for parameter settings
- Ergonomic design
- The z-axis of the table can bear loads of up to 250 kg
- Up to 5-axis control
- Crane loading possible
- Large selection of accessories and extensions
- Integrated smoke extraction
- Autoweld for automated laser welding
- Enclosed laser



Technical details

	Typ: 120 W	Typ: 160 W	Typ: 200 W	Typ: 300 W
Laser type	Nd: YAG	Nd: YAG	Nd: YAG	Nd: YAG
Max. average power	120 W	160 W	200 W	300 W
Pulse peak power Max.	6 kW	7,5 kW	9 kW	13 kW
Pulse energy	60 J	80 J	100 J	150 J
Pulse duration	0,4 - 20 ms	0,4 - 20 ms	0,4 - 20 ms	0,4 - 20 ms
Pulse frequency	1 - 20 Hz (100 Hz)	1 - 20 Hz (100 Hz)	1 - 20 Hz (100 Hz)	1 - 20 Hz (100 Hz)
Focusing diameter	0,2 - 2,0 mm	0,2 - 2,0 mm	0,2 - 2,0 mm	0,2 - 2,0 mm
Mains voltage (V/Ph/Hz)	400/3/50	400/3/50	400/3/50	400/3/50
Price (net)	59.300 Euro	63.200 Euro	68.850 Euro	88.500 Euro

Lasersystem

Laser resonator including resonator mechanics • Laser rod • Cavity • Resonator mirror • Safety shutter • Beam expansion, motorized • Power supply including mains fuse • Mains isolator switch • Emergency stop switch • Motor protection switch •

Low-voltage power supply 24 VDC • Interface with hardware monitoring function • Lamp switch • Industrial controller for setting and displaying power, pulse duration, pulse repetition frequency with external trigger via foot switch • Capacitor bank • Cooling systems depending on power class: water/air or water/water.

Processing optics

Variable beam expansion • Beam deflection • Safety glass • LCD aperture protection • Binocular 10x • Focusing lens

Linearsystem

Z-axis for mounting the machining table, motor-controlled • Stroke 300 mm • X-Y machining table, motor-adjustable

Hole pattern plate 500 x 410 mm • 250 kg load capacity • Operation via hand control • LED lighting • Protective gas supply controlled directly via solenoid valve • Sturdy curved frame construction for mounting components • Powder-coated sheet steel cladding

Dimensions and weight

Dimensions: Width 750 mm x Height 1300 mm x Length 1403 mm • Weight: 450 kg net