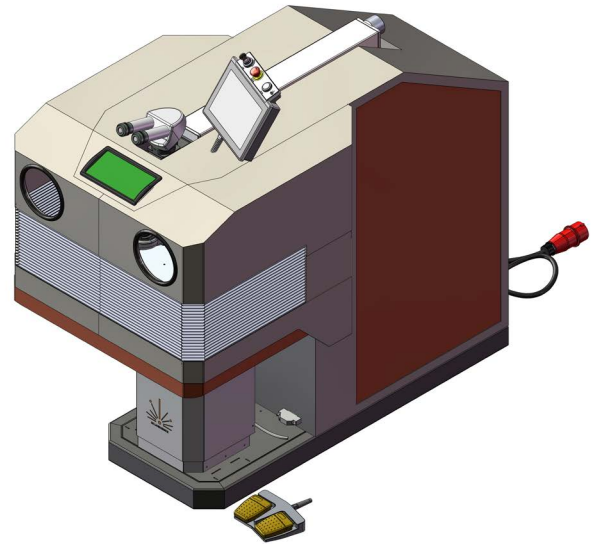


Highlights

- 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

	Type: F120	Type: F160	Type: F200	Type: F300
Lasertyp	Yb: YAG (Fiber)	Yb: YAG (Fiber)	Yb: YAG (Fiber)	Yb: YAG (Fiber)
max. mittlere Leistung	120 W	160 W	200 W	300 W
Pulsspitzenleistung	6 kW	7,5 kW	9 kW	13 kW
max. Pulsenergie	60 J	80 J	100 J	1500 J
Pulsdauer	0,1 – 20 ms	0,1 – 20 ms	0,1 – 20 ms	0,1 – 20 ms
Pulsfrequenz	0,1 – 100 Hz	0,1 – 100 Hz	0,1 – 100 Hz	0,1 – 100 Hz
Spotdurchmesser	0,05 – 2,0 mm	0,05 – 2,0 mm	0,05 – 2,0 mm	0,05 – 2,0 mm
Netzspannung (V/Ph/Hz)	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50

Laser system

- Laser resonator including resonator mechanics
- Laser rod
- Cavity
- Resonator mirror
- Safety shutter
- Beam expansion, motorized
- Power supply including mains fuse
- Main 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

Linear system

- 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

wORLD of LASER



**Welcome to our partner network
Let's deliver better laser welding side by side!**

HEADQUARTERS

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