



Flexible CNC laser machining centre

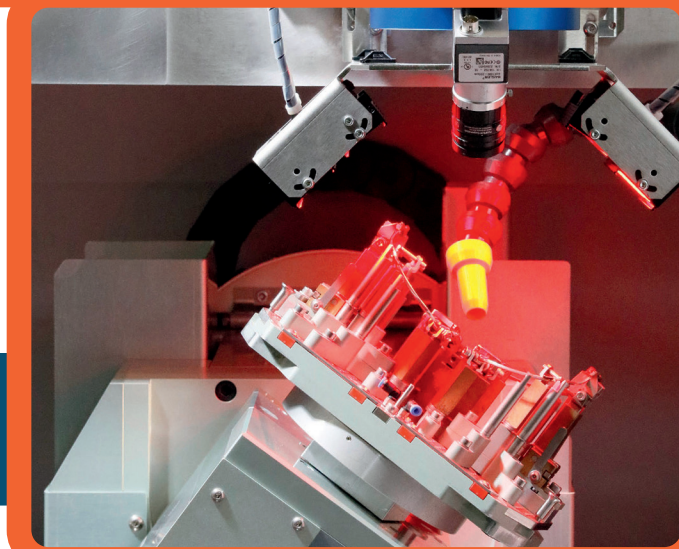
Micro welding with lasers with up to 7 axes

HIGHLIGHTS

- Freeform machining via 5-axis kinematics
- Axis of rotation with hollow shaft
- Maintenance-free direct drives
- High precision due to proven technology
- Use of lasers of varying outputs
- Automatic position detection of the workpieces via a camera in the beam path
- Automated loading opening for quick loading and unloading
- CAD/CAM system
- Optionally with proven galvo scanner or fixed optics
- Media supply prepared on workpiece carrier (compressed air, vacuum, process gas)
- Uncomplicated application support from our application technicians on site or via remote access
- Made in Germany on site in Pforzheim

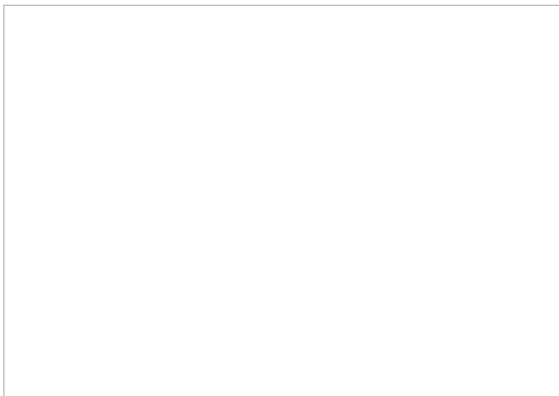
Technical data

CNC LASER MACHINING CENTRE



	Micro welding
[X/Y/Z axis]	500 / 300 / 200 mm
C/B axis	360° / +/- 96°
Rapid traverse	60 m/min
Path velocity	15 m/min
Repeatability	+/- 0.01 mm
Max. workpiece weight approx.	15 kg
Machine width approx.	1 600 mm
Machine depth approx.	1 300 mm
Machine height approx.	2 305 mm
Space requirement approx.	9 m ²
Net weight approx.	1 500 kg
Gross weight	1 900 kg
Connection	400 V 3 Ph 50/60 Hz (32 A)
Compressed air	6–7 bar, 200 l/min, ISO 8573:1:2010 (7:4:4)
Laser type	Ytterbium fibre laser
Wavelength	1 070 nm
Pulse duration	0.05–50 ms (inversely proportional to the peak pulse output)
Max. pulse energy	15 J
Max. peak pulse output	1.5 kW
Max. average output	150 W
Fixed optics, focus	150 mm
Scanner optics, focus	160 mm
Protective gas	Inert gas

Our sales partner:



**Your competent partner
for a secure connection**



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