

PRECISION TO PERFECTION



LLT.micro

High Precision Laser Processing

LLT
APPLIKATION



- Largest field of application: **Cutting, Welding, Drilling & Ablating**
- Up to **two processing heads** in one machine
- **3D**-processing with up to **seven axes**
- Combination of **Fiber- and Femtosecond Laser**

The **LLT.micro** machines are some of the most accurate laser processing systems on the market. Thanks to air-bearing precision positioning systems with direct drives, the machines not only achieve the highest accuracies but also impressive dynamics.

Specification	LLT.micro
Applications	Cutting, Welding, Drilling, Ablating
Machine Frame	Granite
Process Area (X x Y x Z)	Up to 500 mm x 500 mm x 400 mm
Positioning Accuracy	Up to $\pm 3 \mu\text{m}$
Laser	Fiber Laser / Femtosecond Laser (combined); up to three wavelengths
Optical Processing System	Fixed optics / Scanner (combined); Drilling optics
Processable Parts	2D-, 3D-, Tubular Parts Metals, Polymers, Ceramics, Glass, Polycrystalline diamonds
Ergonomics	Automatic door Special software for laser welding: Teaching of weld paths in live image, Modulation of laser power Vision system for component recognition and position correction Pneumatic component fixing



Customizing:

All systems can be modified according to customer-specific requirements.



Service:

We are there for you - In case of a malfunction via remote service or on site in the shortest possible time.



Training:

The variable training concept enables your employees to work productively with the machine within a very short time.

