

PRECISION TO PERFECTION

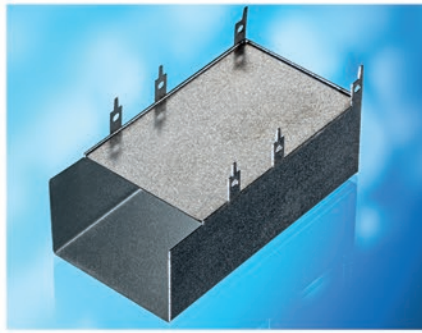
25 YEARS  
KNOW-HOW



# Laser Job Shop

Contract Manufacturing For Laser Micromachining

**LLT**  
APPLIKATION



- Machinery of more than **20 laser systems**
- **Fiber- , Ultra-Short Pulse Laser** or Nd:YAG
- Design & manufacturing of **customized fixtures and devices**
- **Manual** and fully **automated** production
- „**Extended workbench**“: Ramp-up, Batch production, Production peaks

Contract manufacturing with state-of-the-art laser technology is one of the main businesses of LLT Applikation. Whether prototypes, single units or large series, we provide the equipment and the know-how to manufacture your products in quality and on time. If required, we already support you developing the production-ready design of your components.

Portfolio	Laser Job Shop
Component Dimensions	<b>2D:</b> up to 500 mm * 500 mm <b>3D:</b> up to 200 mm * 300 mm * 300 mm <b>Tube:</b> Length: up to 5 m, Ø: 0,3 mm - 16 mm  Material thickness: 5 µm - 3 mm  Further dimensions on request
Applications	Cutting, Welding, Drilling, Ablating Tube cutting: Radial and Off-Axis
Materials	Metals, Stainless steel, Nitinol, Titanium, Phynox, Platinum-Iridium, Cobalt-Chrome, Magnesium, Brass, Copper, PEEK, Polymers, Ceramics, Glass, Polycrystalline diamonds, Semiconductor materials (e. g. Silicon), PCB materials (e. g. FR4), Further materials on request
Production Batch	Prototypes & single parts Small & high volume batch
Positioning Accuracy	Up to ± 3 µm
Machinery & Equipment	20 laser systems (Fiber & Femtosecond) Application laboratory Fixed optics or scanner 2D & 3D microscopy Grey room area Cleaning laboratory
Services	Customized fixtures and devices Material sourcing and post-treatment



**Certified:**

The quality management of our contract manufacturing is certified according to DIN EN ISO 9001:2015.



**Sourcing & storage:**

Our warehouse stocks a wide range of materials and special materials for 2D, 3D or tubular precision products.



**Post-treatment:**

With chemical, mechanical or laser treatment we offer several methods to get the perfect finish of laser manufactured precision products.



**LLT Applikation GmbH** | Am Vogelherd 51 | 98693 Ilmenau | Germany  
 +49 3677 46 33 0 | Info@LLT-Applikation.de | www.LLT-Applikation.de/en

