



Contacts

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MEDTECH

3D micro
PRINT



Company

3D MicroPrint GmbH manufactures high-precision micro metal components by using Micro-Laser-Sinter technology. For more than 10 years, the company has offered a full service from engineering, product design, prototype development to serial production of your unique application. In addition, 3D MicroPrint sells his own developed 3D printing system with the MLS technology.

Products and technologies

Their Micro Laser Sintering process aims to produce high-resolution micro components in the micrometer range. This type of additive manufacturing using L-PBF base technology, improved for real micro powders with less than $5\mu\text{m}$ grain size. The part is successively built-up layer by layer out of metal powder, with a micro laser beam fusing the individual powder particles into the desired shape. This process is used to produce customised 3D components. With the "Print-as-One" process, 3D MicroPrint GmbH can profitably produce complex geometries with minimal wall thickness of less than $50\mu\text{m}$ in a single operation for movable mechanisms, without the need of assembling from individual parts.

Strengths

3D MicroPrint GmbH offers engineering and designs services for 3D manufacturing, printing services for micro metal parts from prototypes to large scale series production and his own MLS machines. The company has more than 10 years of production and technology expertise in the market for all industries worldwide, in particular in the fields of medicine and robotics, automotive, aerospace, watches and jewellery, energy technology, fluid technology and electrical engineering. The uniqueness of the company lies in the ability of the manufacturing process to design and produce highly complex components for customers in the very small micro range as print as one. They have been ISO 9001 certified since 2016 and manufacture to ISO 13485 / MDR guidelines.

Target clients

The 3D microprinting process is primarily used in the fields of medical implants and instruments, robotics, optics and medical sensors. The company also has customers in the aerospace, automotive, defence, energy, electronics and other sectors.



Trade Horizons
GLOBAL BUSINESS GROWTH

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