Additive Manufacturing 3.0

3D Metal Printing

The Selective Laser Melting (SLM) process allows production of complex components from metal powder in one single production step. Only finest metal powder is used to guarantee highest printing quality and resolution. The 3D CAD model is splitted into single layers which are printed layer by layer. Very complex components with cavities, undercuts etc. – which cannot be produced by traditional processing methods – can now be produced by SLM (e.g. moulds, lightweight construction).

LaserJob Rapid.3D – Your JobShop for 3D Metal Printing

LaserJob Rapid.3D has started 3D Metal Printing in 2017 and became a specialist for very complex structures with wall thicknesses of 80–100 µm and minimal support constructions. The max. printing volume has a diameter and height of each 100 mm. Only Stainless Steel (1.4404) and Tool Steel (1.2709) are used due to its ideal properties for 3D printing. We manufacture prototypes and small series and offer CAD construction support and surface finishing with a delivery time of 7–10 working days.

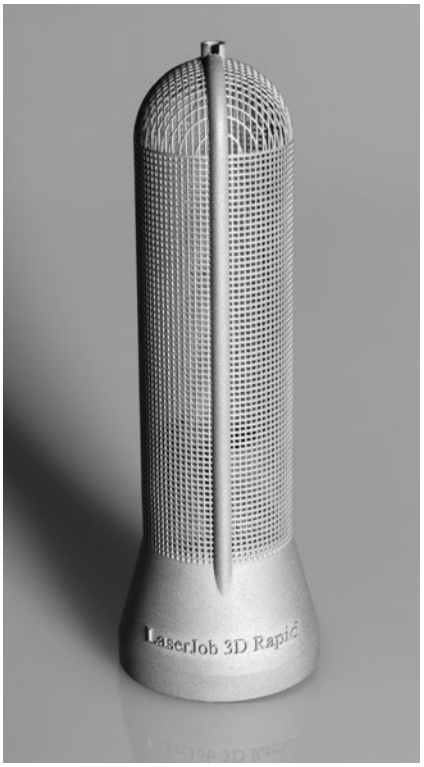
CAD Construction

A successful 3D Metal Printing Process requires an ideal planning of the CAD construction. Ideally, we need the 3D drawing of the component in STL- or STP-format. If this is not possible, you can send us the drawing in a 2D format. We will gladly support you in every phase of the formation process of your component from the 3D data preparation right up to the construction process.

Surface Finishing

All pieces which are produced using a 3D Metal Printing method show a characteristic surface, which can be traces of each single layer. To present you the piece according to your requirements, we offer post processing like polishing, glass-bead- or corundum blasting. Further processing like polishing or coating are offered through our business partners.

Our strenghts – Your advantages:
- Production of prototypes and small series
- Complex component geometries and filigree structures
- Support with the 3D data preparation
- Support of surface finishing processes
- Short delivery time



Microphone – rain cover for microphone

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Laser Micro Material Processing

In addition to the 3D Metal Printing process we offer the classical laser material processing, like laser cutting, laser welding, laser drilling, laser labeling and laser ablation. The specialty of LaserJob is the treatment of very thin metallic foils of 0.010 mm with small tolerances of ± 0,005 mm as well as material thicknesses up to 2 mm. For more information check www.laserjob.de

Service

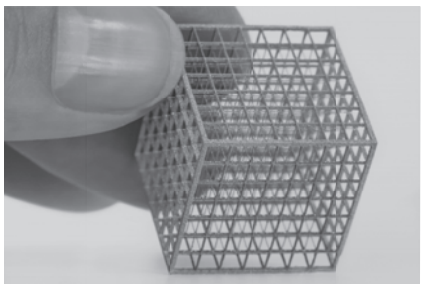
LaserJob Rapid.3D supports you with a highly qualified and motivated team. Precise coordination with your requirements and project flexibility are trademarks of our service. We can deliver our products from single pieces up to series production within 7–10 days after order entry.

Wir offer additional
- Prototyping- and sample production
- Surface finshing
- CAD construction
- Data storage
- Inspection sheet or initial sample test report
- Complete execution

Order Process
For a complete and fast order processing, please send us the drawing of the parts with tolerances in a format: STP, STL, IGES, DXF, DWG. To guarantee fast handling of your order, send the purchase order via

- e-Mail: **mail@laserjob.de**
- fax: **+49 (0) 8141 52778-60**
- post

We are ISO 9001:2015 certified



Cube in stable lightweight construction

LaserJob data sheets
1.0 SMD stencil
1.1 NanoWork®-stencil
1.2 PatchWork®-stencil
1.3 Tensioning system LJ 745
1.4 Frames and tensioning systems
1.5 Repair and Re-balling stencil
1.6 Wafer bumping-stencil
1.7 LTCC Via fill-stencil
2.0 Laser Material Processing
3.0 Additive Manufacturing

Auch in Deutsch erhältlich.

As of 02/2019