

The next generation of metal additive manufacturing



With our revolutionary technological approach Incus is taking metal 3D printing to the next level, offering excellent surface aesthetics for complex structures combined with cost efficiency, re-reproducibility, excellent mechanical properties and high manufacturing speed for part sizes up to 200g.

Our technology of Lithography Metal Manufacturing (LMM) is based on the concept of photopolymerization.

We open engineers the door to revolutionary geometrical freedom in designing parts with highly creative features such as internal twisted or spiral cavities, printed screws, helixes or similar complex shapes, which till now have practically been impossible to manufacture.

Products to become a part of your production

Incus offers a comprehensive modular package that can be tailored to meet your production needs including the printer, software, material, service package and technical support, as well as partnership for customized development.

Our solutions enable precise, high-quality production for complex parts across a wide range of industrial applications including aerospace, automotive, medical & dental, electronics, luxury jewelry, moulds and tooling.

- Our modular package approach allows our customers to create tailor-made products to meet their specific needs.
- In addition to the machine, packages can include proprietary software, material/feedstock, various service and support options and additional hardware, such as our cleaning stations.
- Our team of experts provides on-call support and additional services reaching from feasibility studies, over material development and sample part production to design consultancy for special part development.



Have a metal printing challenge?
Contact us to get started on the solution.

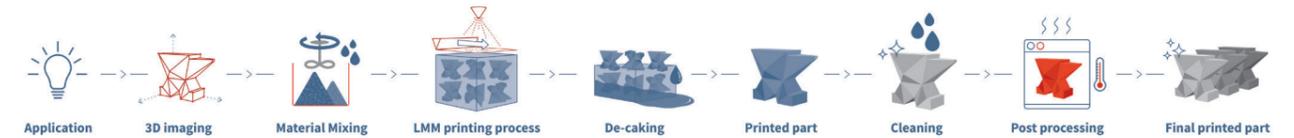
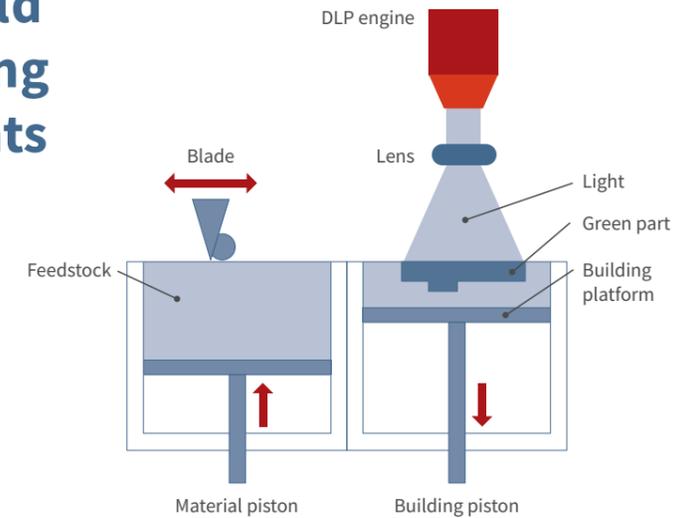
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A new technological world for additive manufacturing high-end metal components

Our Hammer Series metal 3D printers produce green parts based on the technology of a photoreactive metal-filled feedstock cured by a high-resolution projector.

This allows achieving high precision green parts equal to those produced with Metal Injection Moulding (MIM), while eliminating typical MIM geometrical related de-forming limitations.

For achieving final metallic structural strength and specific mechanical properties these green parts need to be processed in a de-binding and sintering process.



Advantages of working with the Incus technology:

- X/Y Tolerance field of +/- 17,5 µm or +/- 0,0001“
- Outstanding surface roughness achieving Ra 5 µm and below, thus highest available surface aesthetics
- Production of parts of high geometrical complexity with highest accuracy and high green part strength
- Wide range of possible materials and the option of printing non-flowable and non-weldable materials
- Easiest preparation of printing jobs, simple and quick set up, SMED change over technology
- No need for printing any support structures
- Stress-free sintering process results in excellent microstructure and highest mechanical properties
- Powder free, clean and safe working environment
- Broad research opportunities and applications
- Reduction of production costs and time

Our service-oriented approach

Our INCUS team of application engineers is built by creative industry experts with high expertise and a dynamic drive to bring new technologies and solutions to the market.

The team is solution-oriented and meets every challenge with a clear focus on continuous improvement. In addition to support with setup and material development, Incus also offers tailor-made trainings based on your specific needs.

