

LITHOZ®

Manufacture the future.

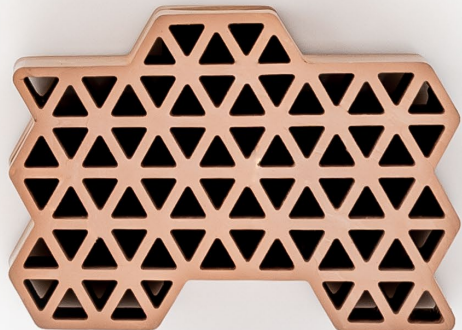
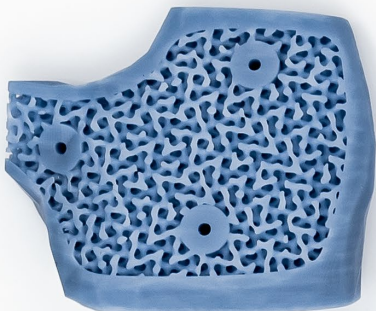
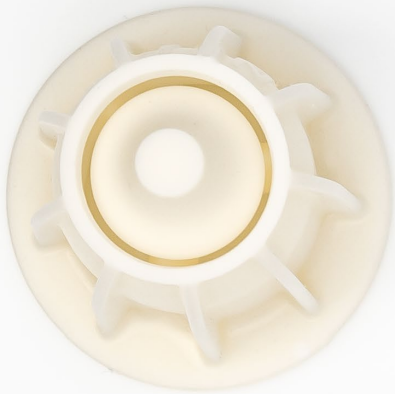


GLOBAL
MARKET LEADER
IN CERAMIC
3D PRINTING

We are ceramic 3D printing.



www.lithoz.com





Dr. Johannes Benedikt, CTO and Dr. Johannes Homa, CEO

Let's rewrite the rules of ceramics. Together.

At Lithoz, we develop 3D printers and materials for the LCM process, with our expert material scientists, engineers and process developers working together to continuously advance and individually optimize the world's leading ceramic 3D printing system to perfectly match our customer's needs. Both printers and materials surpass the high standards of quality needed for industrial, medical and dental applications.

Using strict development processes, detailed documentation and active exchanges of information with renowned research institutes such as FGK -Glas/Keramik- and the Fraunhofer IKTS, our materials are trusted by top manufacturers worldwide and are produced under a ISO 9001:2015 certified quality management in clean room environment.

The passion of our team, their endurance and their dedication to absolute precision is what enables us to push the limits of ceramic innovation ever further. They characterize the one central promise of Lithoz as a company: to always deliver the best possible quality for ceramic 3D printing and to be an active partner to our customers.

Medical

Zygomatic Implant

Hydroxy Apatite



Dental

Veneer and Crown

Lithium Disilicate



Semiconductors

Heat Exchanger

Aluminium Nitride





Aviation

Casting Core

Silica-based



Electronics

Low Temperature Co-Fired Ceramics

Pure Copper & Glass Ceramics



Aerospace

Nozzle

Silicon Nitride

Empower your serial production.



CeraFab System S65

The CeraFab System S65 is the flexible all-rounder that can handle any project. For digital mass production with absolute precision.

Build platform: 102 x 64 mm
Resolution: 40 µm



FIND OUT MORE
ABOUT OUR
PRINTERS



CeraFab S65 Medical

Driving innovation in healthcare.

Precisely tailored to the demanding conditions in medicine and dentistry, the S65 Medical translates high requirements into impressive results.

Build platform: 102 x 64 mm
Resolution: 40 µm



CeraFab S25

Printing superior microstructures.

The LCM printer for when the key difference lies in the greatest possible level of detail.

Build platform: 64 x 40 mm
Resolution: 25 µm



CeraFab S230

Think big – redefine the limits.

The LCM printer for when the size of the printed parts matters. Its maximized build platform also allows for more parts per print job.

Build platform: 192 x 120 mm
Resolution: 75 µm



CeraFab Lab L30

Compact budget, full function.

Specifically designed for research and development, the CeraFab Lab L30 is your ideal entry into ceramic 3D printing.

Build platform: 76 x 43 mm
Resolution: 50 µm



CeraFab Multi 2M30

For innovators, by innovators.

The Lithoz CeraFab Multi 2M30 is a technological cornerstone for a whole new dimension of multi-material 3D printing. Its open system enables the development of multi-functional parts.

Build platform: 76 x 43 mm
Resolution: 35 µm



CeraMax Vario V900

Your research tool to rethink slipcasting.

Thanks to water-based suspensions, the CeraMax Vario V900 stays close to slipcasting. With the flexibility of 3D printing, it offers the perfect platform for new impulses in ceramic materials research - also for dark ceramics.

Build platform: up to 250 x 250 mm

Material production in a clean room environment.



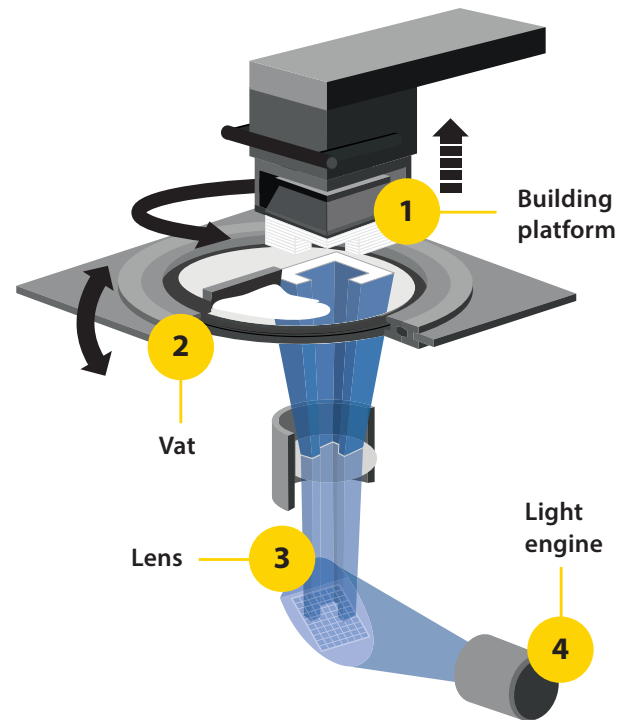
LCM Technology

Lithography-based Ceramic Manufacturing

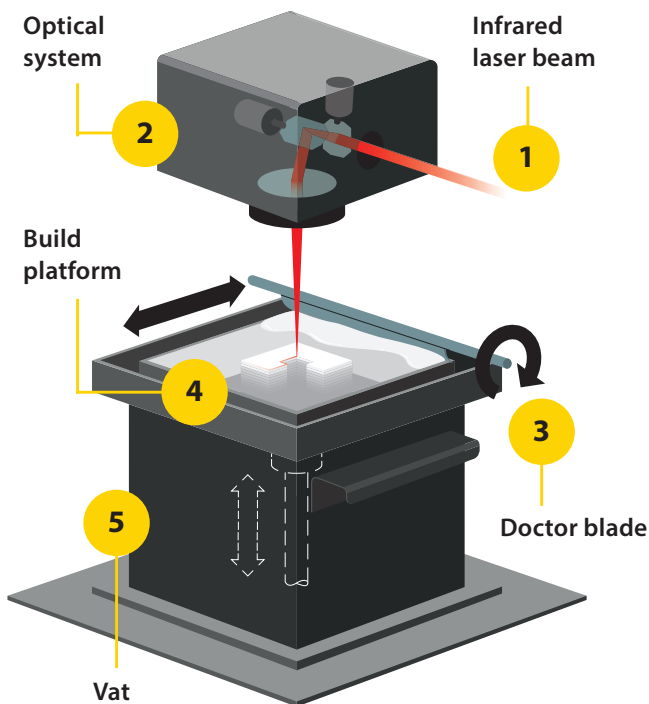
Lithoz's LCM technology makes it possible to produce even the most complex of geometries and miniaturized structures, enabling designs which are unachievable using conventional ceramic processes.

When it comes to absolute accuracy, high resolutions and complex structures, LCM technology is your clear first choice.

The powerful LCM process, developed by Lithoz, has already enabled the production of numerous innovative applications that meet or exceed the mechanical performance and reproducibility of ceramic components made via conventional methods.



MORE ON
LCM TECHNOLOGY



LIS Technology

Laser-Induced Slipcasting

For the first time, Lithoz's LIS technology is offering ceramic material researchers an ideal platform for coupling the water-based suspensions already familiar from slipcasting with the dynamic developments of 3D printing.

The materials already in use can be straightforwardly adopted, and the large ceramic parts with solid wall thicknesses can be selectively cured by means of laser drying. With LIS technology, materials that are difficult to process with other 3D printing methods, such as SSiC or UHTCs, can be used without any restriction.

MORE ON
LIS TECHNOLOGY

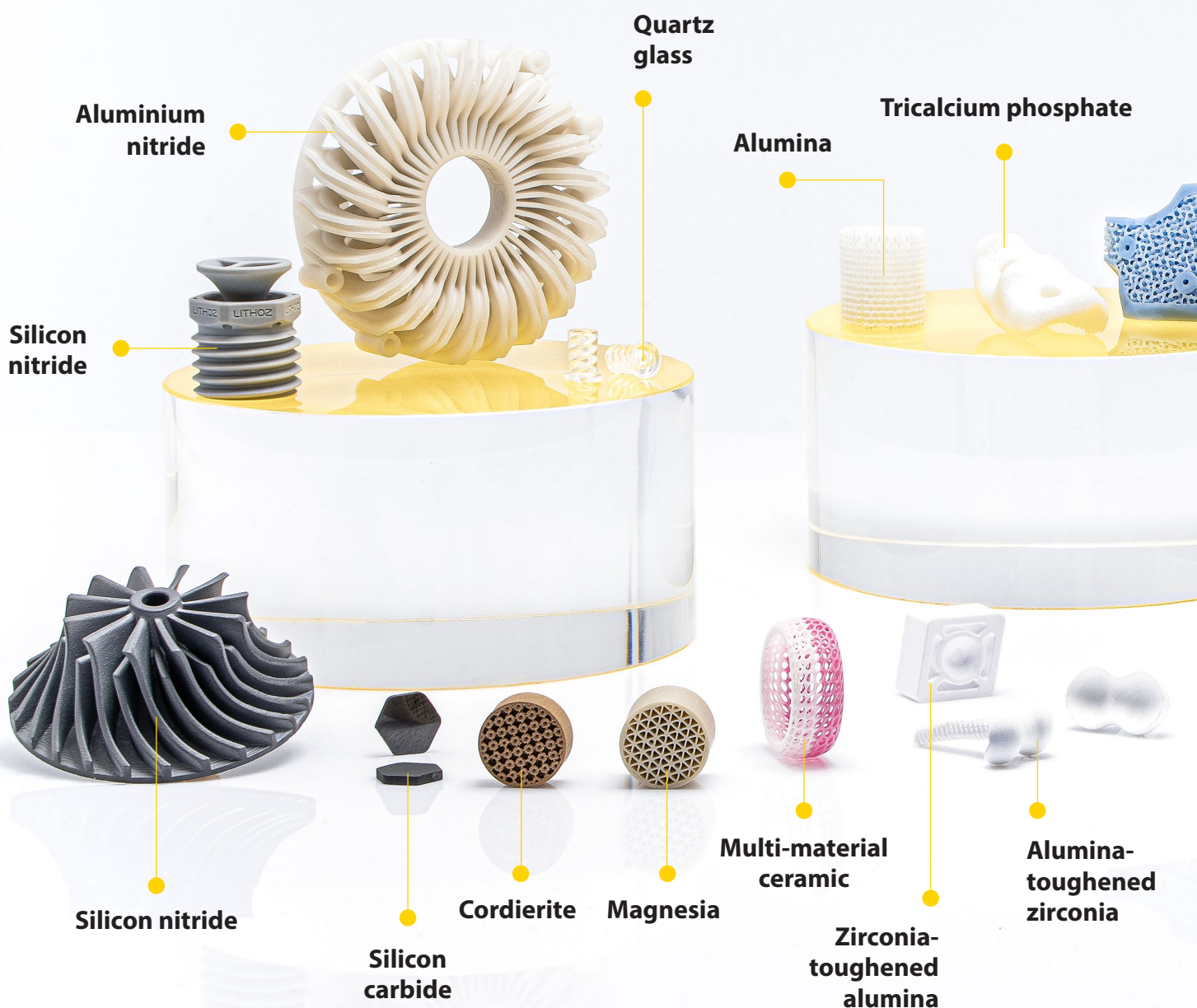


Materialize your vision.

From industrial applications for mass production to single prototypes or advanced research projects. From flexible allround-materials used in many different applications to special ceramics breaking the boundaries of the previously unimaginable. From bioresorbable medical ceramics over silica-based casting cores and ceramic materials to withstand even the harshest conditions.

Lithoz's materials have been tested to meet and exceed conventionally produced ceramics. We have developed, and commercialized a vast range of 3D-printable ceramics that will all meet the desired properties.

Tell us your challenge and let's find the ceramic material perfectly fitting to your application.





FIND OUT MORE
ABOUT OUR
MATERIALS



Lithoz Offices

- Austria
- China
- United States & Canada

Sales Partners

- Armenia
- Australia
- Brazil
- Czech Republic
- India
- Israel
- Japan
- Poland
- South Korea
- Spain
- Turkey

