

CeraFab Multi 2M30

Multi-material 3D Printer

LITHOZ®

We are ceramic 3D printing.



Unlock new possibilities by combining properties:

- Dense | porous
- Bioresorbable | bioinert
- Hard | ductile
- Magnetic | non-magnetic
- Transparent | opaque
- Conductive | insulating

Making multi-material 3D printing work for you:

- Innovative material combinations, unachievable using conventional technologies, allow for two materials between and within layers, advanced composites and more
- Open system for the development of own materials
- Automated cleaning step between material changes, with option to integrate own processes and software further expanding your range of capabilities

The Innovation Platform for Your Next-generation Parts

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 next-generation multi-functional parts by the combined processing of different materials, such as ceramics, metals and polymers, and their properties in one single component.

Global market leader in ceramic 3D printing.

Find out more
about the
CeraFab Multi 2M30



CeraFab Multi 2M30

For innovators, by innovators

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High Precision in Every Detail

The innovative **ready to use system** consists of two vats, enhancing the speed, precision and effectiveness of a clean material switch between and within layers. It also includes a fully automated cleaning step to avoid cross contamination during material changes.

Innovation Meets Efficiency

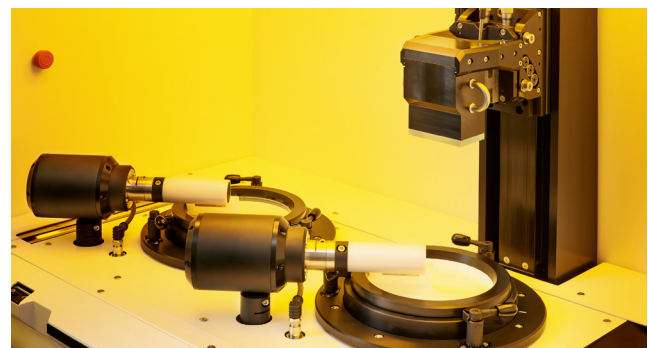
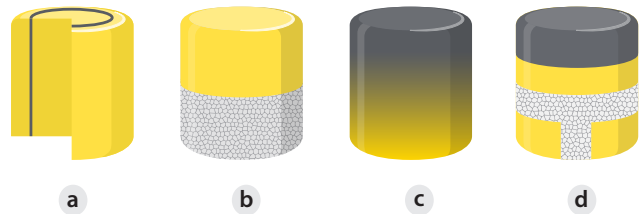
Innovative technology means that very little slurry is required for a full run and no material recovery operations or pumping systems are required to keep the slurry circulating, making this process very attractive in terms of cost and resource efficiency.

A New Dimension of Functionally Graded Materials

Powerful CeraFab Control software allows for several material combinations, both between and within layers. Special types of advanced composites with varying compositions and/or microstructures, known as functionally graded materials (FGMs) and functionally graded structures (FGSs), can be produced, as well as complex multi-material geometries unachievable using any other 3D printing technology. These new possibilities pave the way for further innovation in industrial, medical and dental applications.

Possible Material Combinations for Multifunctional Applications:

- a Two materials in one layer
- b A dense material with a secondary porous material
- c Two or multi-phase materials with gradual variation in material composition
- d Gradual variations in both density and material



TECHNICAL SPECIFICATIONS	
Lateral resolution:	40 µm (635 dpi)
Layer thickness:	10 – 100 µm
Build volume:	76 x 43 x 170 mm (x/y/z)
Data format:	.stl (binary)
Number of vats:	2
Light source:	LED
Build speed:	Up to 100 layers per hour
Size (L x W x H):	1,8 x 0,85 x 1,78 m
Weight:	560 kg
Electrical connection:	230 V, 16 A (USA: 120V / 60Hz, 15A)
Additional features:	Cleaning station included
Optional add-ons:	Software, CeraAccess, CeraTune

Lithoz materials are produced in
Clean Room Environment

Shape the Future of Ceramics

Two separate vats mean ceramics can be combined with other ceramics, polymers or metals. This technology can process any sinterable powder and the open material system makes it easy to develop customized materials and combinations thereof, opening the door to complete freedom in material design. Customers can specifically optimize parameters using open software technology.



Contact us

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Watch the complete
printing process on
YouTube

