

CeraFab Lab L30

LITHOZ®

We are ceramic 3D printing.

Your entry into ceramic 3D printing



The CeraFab Lab L30 offers the market-leading LCM technology condensed to its most compact form - the perfect size for limited research budgets.

The compact Lithoz LCM printer for limited research budgets:

- The compact LCM printer with full function
- Ideal dimensions for laboratories
- Easy maneuverability in tight spaces
- Perfect for material development
- Build prototypes and first small-series

Quality and precision in every detail:

- Lateral resolution of 40 μm
- Reliable Lithoz long-lasting quality
- Investment in a reliable and trusted solutions
- First-class Lithoz support for your project
- Economical innovation thanks to minimal material waste

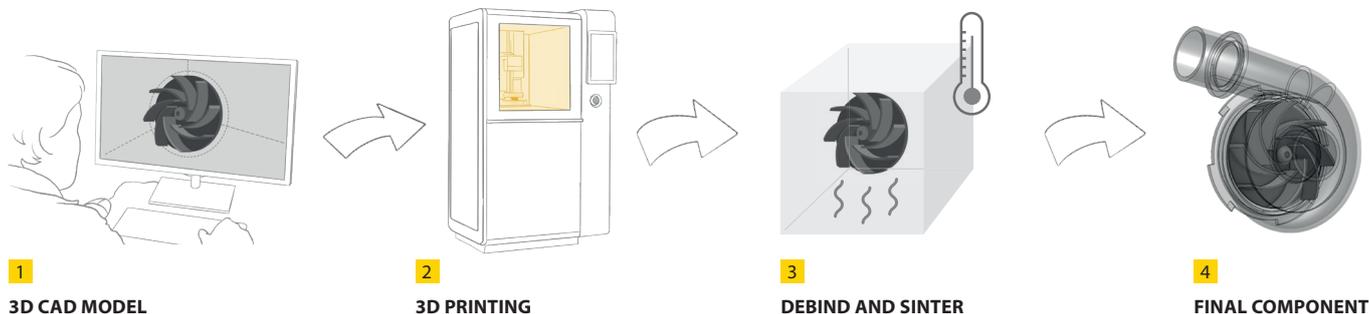
Global market leader in ceramic 3D printing.

Find out more
about the
CeraFab Lab L30



Compact budget, full function

THE LCM PROCESS



1
3D CAD MODEL

2
3D PRINTING

3
DEBIND AND SINTER

4
FINAL COMPONENT

The Process Explained

- 1** Job preparation using the intuitive Lithoz software. The digital CAD model is then transferred to the 3D printer.
- 2** Ceramic slurry is quickly and easily loaded into the machine, then automatically dosed into the vat. The build platform is dipped into the slurry and then selectively exposed to light from below, curing the layer. This process is repeated to build a full part, without applying any mechanical pressure on it.
- 3** The printed 'green body' undergoes thermal post-processing via debinding and sintering.
- 4** The high-performance and fully dense ceramic part is now ready.

Easy to Use, Easy to Operate

The compact CeraFab Lab L30 operates with the ease of an entry-level machine, utilizing advanced DLP mask exposure to build complex ceramic 3D-printed green parts. The intuitive interface of the machine facilitates easy operating and handling. Material can be quickly and easily loaded into the machine, while the vat's quick locking system means it can be switched out and a change of material completed in just a few minutes. Specially designed for labs and R&D, its slim footprint and affordable price make the LCM key technology accessible for limited budgets.



Ensure Minimal Material Waste

The CeraFab Lab L30 ensures that you will increase your efficiency and save material costs by making the entire process cost-effective and economical. By using light exposure from below, you are ready to print with as little material as 15 ml. The nature of the upside-down building process means that any leftover material surrounding the finished parts doesn't need removing and can later be reused.



| TECHNICAL SPECIFICATIONS | |
|---------------------------------|---|
| Lateral resolution (µm) | 40 |
| Build volume X x Y x Z (mm) | 76 x 43 x 170 |
| Slice thickness (µm) | 25 – 100 |
| Data format | .stl (binary) |
| Light source | LED |
| Build speed | Up to 100 layers per hour |
| Size L x W x H (m) | 0.75 x 0.55 x 1.60 |
| Weight (kg / lbs) | 150 / 330.7 |
| Electrical connection available | 230 V, 16 A (US: 120 V / 60 Hz, 15 A) |
| Software | Data preparation software included, upgrade to CeraAccess module possible |
| Optional upgrade | UHC (Ultra-High Contrast System) |

Ask for financing offers

Lithoz materials are produced in a Clean Room Environment



Contact us

Lithoz GmbH
Mollardgasse 85a/2/64-69 | 1060 Vienna • Austria
Email: sales@lithoz.com | Phone: +43 1 9346612 200

Watch the complete printing process on YouTube

