

# 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  $\mu\text{m}$
- 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

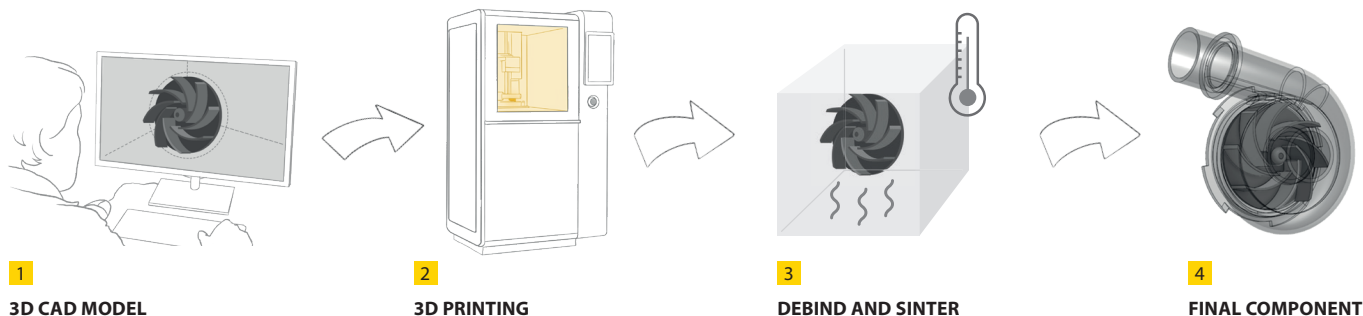
Global market leader in ceramic 3D printing.

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)	250 / 551
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



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Watch the complete printing process on YouTube

