

CeraFab System S320

LITHOZ®

We are ceramic 3D printing.

The highest possible productivity for mid-sized parts.



The S320 has the largest build platform of any CeraFab System LCM 3D printer. With its 4K projection system, it is the ideal choice for scaling up to the serial production of highly complex mid-sized ceramic parts.

- Five times larger build platform than S65
- Focus on high volume production of mid-sized components
- Same external dimensions as S65
- Pinpoint-precise dosage for minimal material waste
- Built-in twin chamber heating system, ensuring seamless temperature control
- First-class Lithoz support for your project
- Premium 4K projection system for resolutions of up to 60 μm across 246 x 130 mm build platform
- Slice thickness from 20 - 200 μm
- Rapid build speed of up to 150 layers / hour
- Wavelength 405 nm (UV light)
- Smart CeraControl software for synchronized mass production across various locations
- Automatic double dispensers (2 x 650 g) for extended overnight print runs

Global market leader in ceramic 3D printing.

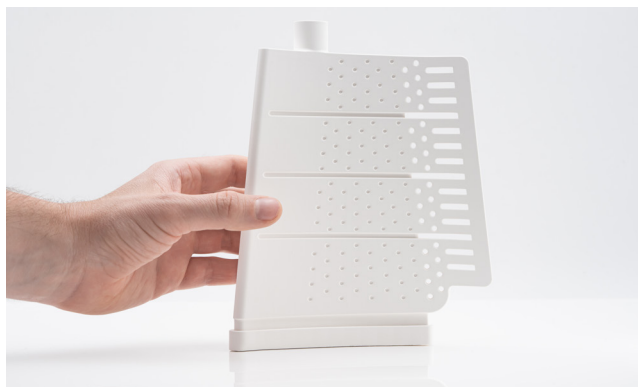
Find out more
about the
CeraFab System S320



Same LCM quality. 5x bigger platform.

Industry-proven LCM Quality

When it comes to absolute accuracy, complex structures and uncompromising quality, LCM technology is your clear first choice. The **S320** was specifically engineered for the **efficient series production of mid-sized ceramic components** at high-capacity output. With a **five times larger build platform than on the S65**, this is the specialist for printing as many larger components as possible per print job.



Casting core with a height of 193 mm

One Printer, Two Talents: Productivity Meets Size

Thanks to a **build volume of 246 x 130 x 320 mm**, the CeraFab S320 offers the maximum number of parts per print job. But it's not only about productivity – this machine can also manufacture the largest size parts of any CeraFab 3D printer. For example, three units of the **15" (380 mm) ALD ring** shown below were printed in a total of **18 single segments** for the semiconductor industry.



LCM-printed ALD ring with 15" diameter printed by Alumina Systems

A New Generation of Projection Systems

The S320 is equipped with a **4K projection system** – a big leap forward when it comes to perfecting the resolution of the S320's fivefold larger LCM build platform. With this premium equipment, you can trust in the S320 to provide **unparalleled flexibility and precision** across the entire printing surface. With its clear focus on scaling up to **mid-sized ceramic part production**, the S320 functions as a perfect complement to the ultra-precise CeraFab System S65.

Full Process Control for Your Productivity Boost

Maximizing productivity requires a solution that steers you clear from any unforeseen interruptions. To secure smooth serial production runs at minimal material consumption on its fivefold enlarged platform, the CeraFab S320 provides a couple of built-in solutions, empowering users to keep full control over all crucial parameters at any time. **Two automatic dispensers** secure nonstop overnight print runs, while **twin chamber heaters** care for the seamless levelling of temperature and the **smart CeraControl software** synchronizes this performance over up to 100 single printers.

TECHNICAL SPECIFICATIONS	CERAFAB SYSTEM S25	CERAFAB SYSTEM S65	CERAFAB SYSTEM S320
Lateral resolution (µm)	25	40	60
Build volume X x Y x Z (mm)	64 x 40 x 320	102 x 64 x 320	246 x 130 x 320
Slice thickness (µm)	10 – 100	10 – 200	20 – 200
Process chamber heating		Optional	Standard
Ultra-High Contrast (UHC) system		Optional	Standard
Data format	.stl		
Build speed (layers / h)	Up to 150		
Size L x W x H (m)	1.05 x 0.85 x 1.78 (incl. control unit)		
Weight (kg / lbs)	400 / 881		



Contact us

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

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