

At Formnext, Lithoz launches the CeraFab System S320 - an LCM printer with fivefold enlarged build platform

- At Formnext 2024, Lithoz will unveil the brand-new CeraFab System S320 as the latest addition to their broad range of industrial ceramic 3D printers
- The new LCM printer has a five times larger build platform than the industry-proven CeraFab System S65 and focuses on the high-capacity LCM printing of mid-sized parts
- Showcase of mid-sized S320-printed parts on display: filters, casting cores and semicon components
- On display: first-ever implanted ceramic subperiosteal jaw implant 3D-printed by Lithoz

25th September 2024: Vienna, Austria. At the upcoming Formnext, Lithoz will premiere the latest and biggest addition to their range of ceramic 3D printers – the **CeraFab System S320**. This powerful machine's **build platform and build volume are five times larger than of the industry-proven CeraFab System S65**, making it perfectly suited to the efficient industrial production of **mid-size technical ceramic parts**. Both LCM machines share identical external dimensions.

The CeraFab System S320 offers the **maximum number of parts per print job** thanks to having the largest build platform of any Lithoz LCM printer. With its 245 x 130 x 320 mm offered, a **resolution of 60 µm and a 4K projection system**, the new printer has a clear focus on the industrial **serial production of mid-size ceramic parts** - perfectly **complimenting the ultra-precise CeraFab System S65**.

Flanking the printer premiere, visitors will be able to examine a showcase of impressive ceramic applications printed on the S320, including single segments of a 15" (380mm) diameter alumina gas distribution ring from Alumina Systems as used in the semiconductor manufacturing industry. The ring performs more effectively than those produced via conventional methods thanks to the design freedom of LCM technology, which enabled an exceptionally lightweight and thin-walled structure. Other **mid-sized highlight parts to watch** are intricate **casting cores** for the construction of ever more efficient turbine blades or **industrial filter devices**.

The continuous advancements made in ceramic 3D printing for medicine and dentistry this year will be underpinned by the exclusive chance to see a duplicate of a 3D-printed subperiosteal jaw implant. Printed by Lithoz from zirconia, the device was successfully implanted for the first time ever in surgical history earlier this year.

Visit Lithoz at Stand 11.1 C49.

Lithoz is the world and technology leader for high-performance ceramic materials and 3D printers. Founded in 2011, *Lithoz* is committed to breaking the boundaries of ceramic production and supporting customers in expanding the manufacturing opportunities for the ceramic industry. The company has an export share of almost 100%, more than 150 employees and, since 2017, a subsidiary in the USA. Since 2016, *Lithoz* has also been ISO 9001-2015 certified.

Lithoz Contact: Alice Elt +43 660 1563231 / aelt@lithoz.com