

Manufacture the Future: Your Partner from First 3D-Printed Ceramic Part to Industrial Production

As the global leader in the field of industrial ceramic 3D printing, Lithoz has been providing technology for innovators to push the boundaries of manufacturing since its founding in 2011. Working towards growing ceramic 3D printing into a reliable technology for industrial production, many innovators now use Lithoz 3D printing solutions for the production of high-performance parts and to reach new levels of efficiency and digitalization throughout their production workflow.



Fig. 1
View into the Lithoz Innovation Lab

With 10 years of experience in the industry, Lithoz provides ceramic 3D printing solutions for businesses in many different

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fields, ranging from new players to those working with CIM and other traditional manufacturing processes.

Dr Johannes Benedikt, CTO and co-founder of Lithoz, describes the company as “providing customers with a product roadmap for implementing ceramic 3D printing, sup-

porting them all the way from first-part design to large-scale industrial production.” With a broad range of products available, including production-grade machines and multi-material printers, Lithoz has made great waves in the ceramic industry. The company’s industrial CeraFab System 3D printer range has already enabled the serial production of high-performance ceramic components with far greater freedom in design, enabling the manufacture of complex and highly accurate parts.

For the 10-year anniversary of its founding, Lithoz has made this technology more accessible than ever, even for those who already work with ceramics. As Dr Benedikt explained, Lithoz “thinks it is important to give all manufacturers access to 3D printing” and with its new CeraFab Lab L30, an easy-to-use 3D printer for the rapid, affordable and sustainable production of ceramic parts, the company has achieved this goal. Companies can develop and fine-tune a product using the CeraFab Lab L30 before using the production-grade CeraFab System 3D printers to print their products

Lithoz GmbH
1060 Vienna
Austria

www.lithoz.com

in higher volumes. In this way, Lithoz covers the entire range of manufacturing via ceramic 3D printing, all the way from initial first part to serial production. Lithoz has big plans to further support manufacturers beyond technological solutions, however. In order to enable customers to fully utilise its ceramic 3D printing technology, the company has recently opened the Lithoz Innovation Lab. This new space allows customers to train and learn more when it comes to ceramics and 3D printing so that businesses can industrialise their production in the most efficient way possible. On

the other side, Lithoz is also expanding its material and machine production capability after acquiring a secondary site of 1250 m² in Vienna.

These new spaces, along with in-person and remote training sessions led by experienced engineers, will enable innovators to get the most out of this technology.

By partnering with more companies and establishing bases both in China and America as well as in Europe, Lithoz is strengthening their global presence so as to better support key innovators worldwide and drive the international growth of ceramic 3D printing.



Fig. 2
Highly-precise alumina nozzle manufactured via 3D printing

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