

CREATING VALUE WITH **CERAMICS ADDITIVE** **MANUFACTURING**

Dr. Johannes Homa



Welcome to Lithoz.

We are ceramic 3D printing.

Your Trusted Partner in Ceramic 3D Printing LITHOZ



Global market & innovation leader for ceramic 3D printing

We offer a full solution of **3D printers, materials, software, and customized solutions.**



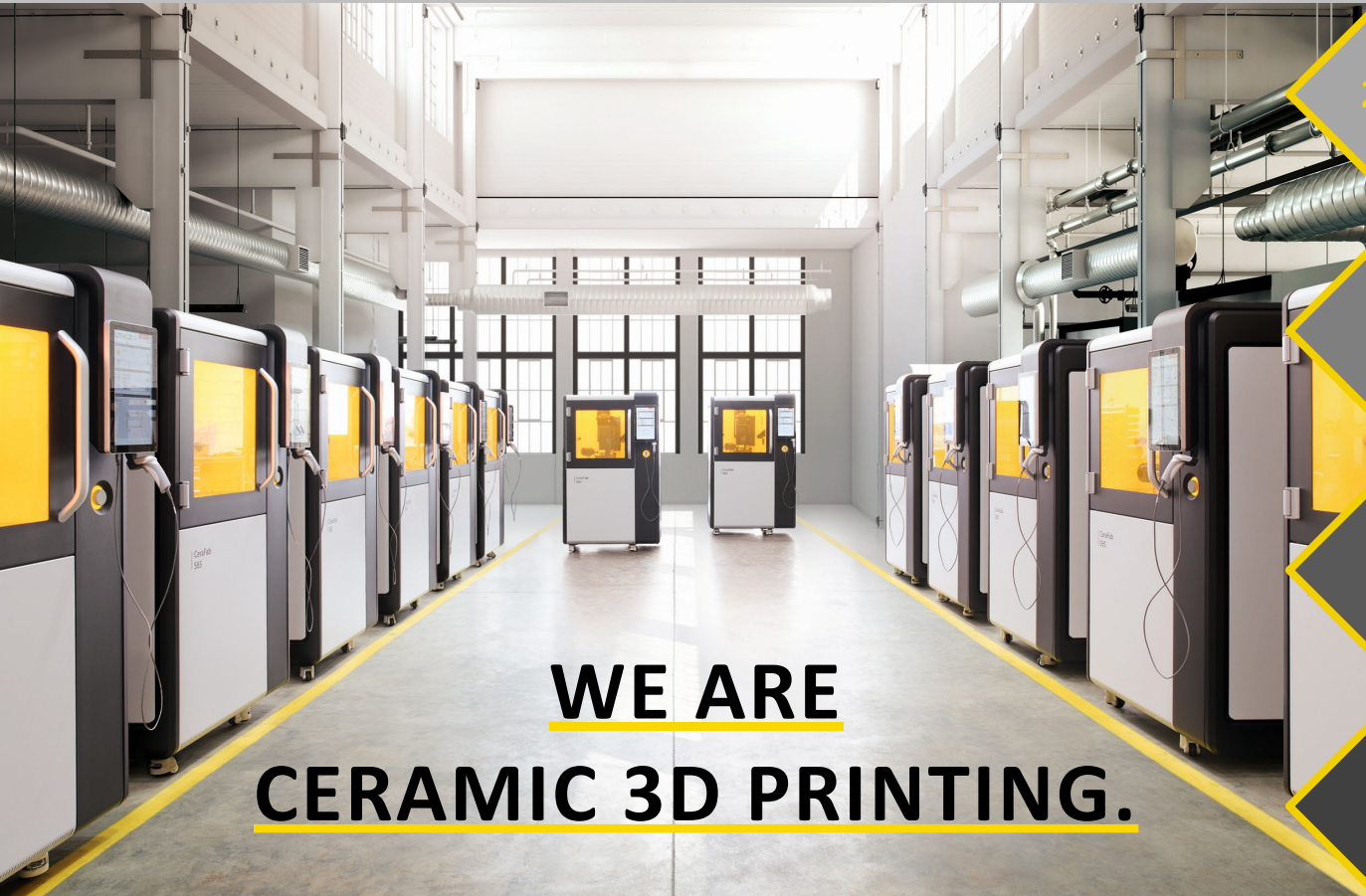
140+ employees
4 locations (Austria, USA and China)

Quality management system ISO 9001:2015



150+ machines worldwide
25 % of customers with 2 or more machines

We Pioneered Ceramic 3D Mass Production



**N.1 Customer:
25 Printers Soon in Operation**



24 / 7 Production Run

2M+ Parts / Year

**WE ARE
CERAMIC 3D PRINTING.**

**LCM = The
Industrial Standard in
Ceramic 3D Printing**

„3D printing is not about replacing well established processes – it’s about creating added value and new possibilities.“

- Dr. Martin Schwentenwein, CSO Lithoz -

Industrial Applications

Casting Cores

Silica-based



Aviation

Heat Exchanger

Aluminium nitride



Semiconductor

Socket Filter

Alumina



Chemical

Bioresorbable Bone Replacement

Hydroxy apatite



Medical

Dental Veneers and Crowns

Lithium disilicate



Dental

Multimaterial Applications

Low Temperature Co-Fired Ceramics

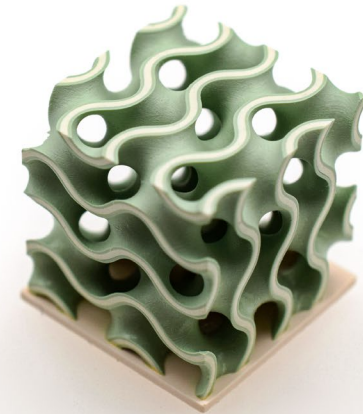
Pure copper & glass ceramics



Electronics

2K Gyroid

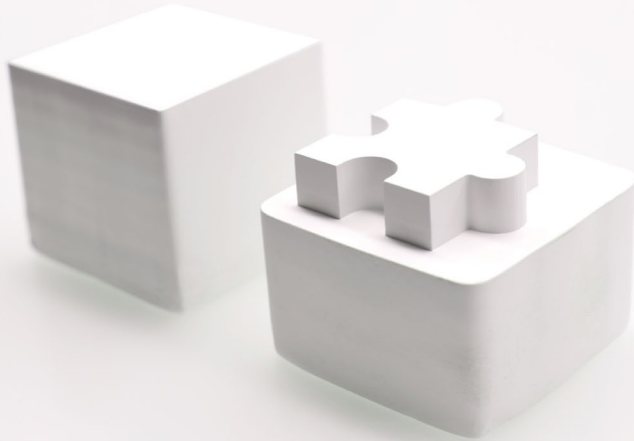
Alumina & green colored alumina



Energy

New Technologies

Laser-induced slipcasting / LIS
Big parts, thick walls, full density



Layer-wise Slurry Deposition / LSD
Alumina & green colored alumina



Any challenge. One source.

The background features a collage of various 3D-printed ceramic components. In the top left is a yellow circular part with radial spokes. In the top right is a blue part with a wavy, fin-like edge. On the left side is a grey turbine-like part with many curved blades. In the center is a large, light-colored fan-like part with many thin, curved blades. On the right is a circular part with concentric rings and the word 'LITHOZ' in the center. At the bottom left is a blue part with a complex, porous, lattice-like structure. At the bottom center is a copper-colored part with a triangular, star-like pattern. At the bottom right is a yellow part with a series of vertical ridges.

LITHOZ®

„All answers to our urgent questions of today, from sustainability to climate change, will somehow contain a 3D-printed ceramic as part of the solution.“

- Dr. Johannes Benedikt, CTO at Lithoz -