

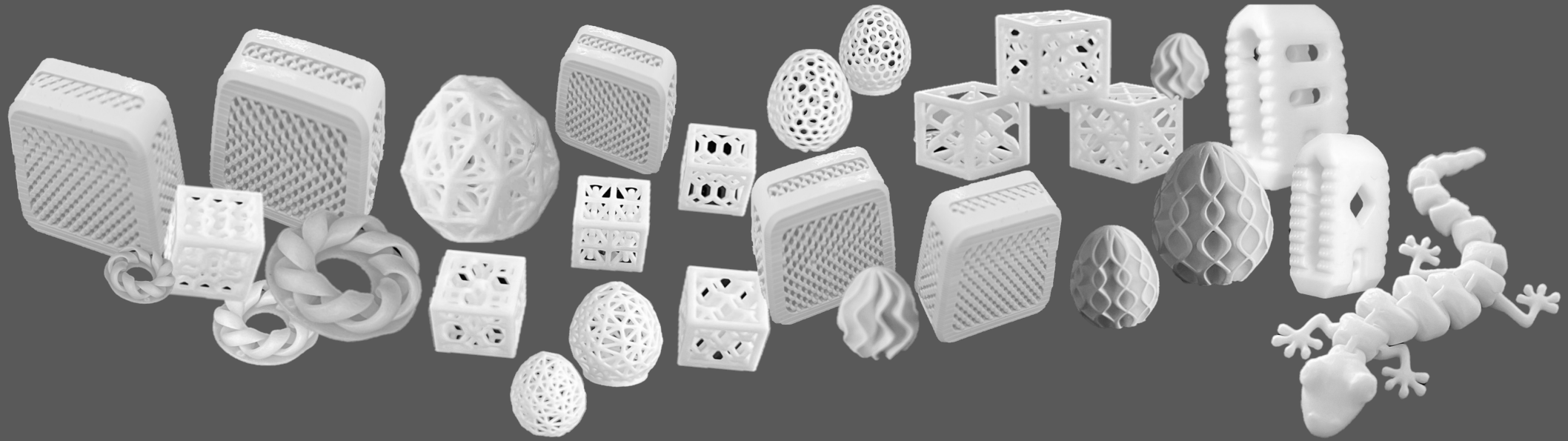


SiNAPTIC

BRYAN SCHEER, M.D., CEO

CREATING VALUE WITH CERAMICS ADDITIVE MANUFACTURING


CERAMICS EXPO PANEL DISCUSSION | MAY 3, 2023



Maximizing efficiency and improving product quality throughout the manufacturing process



State-of-the-art manufacturing facility
and headquarters in **Lafayette, Colorado**



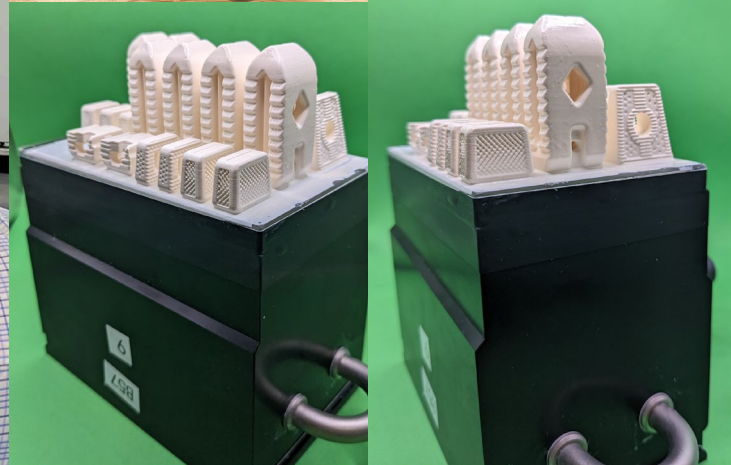
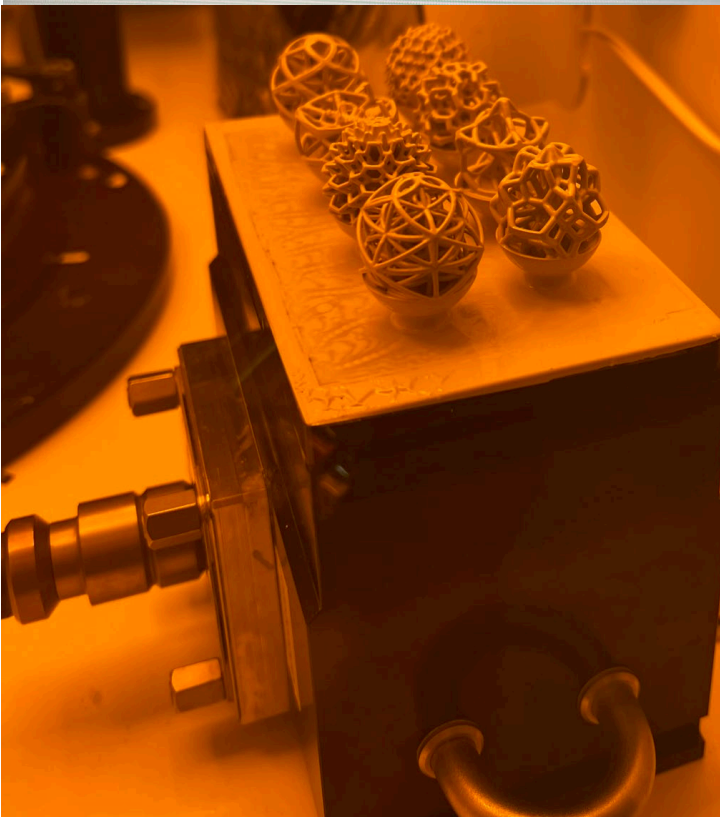
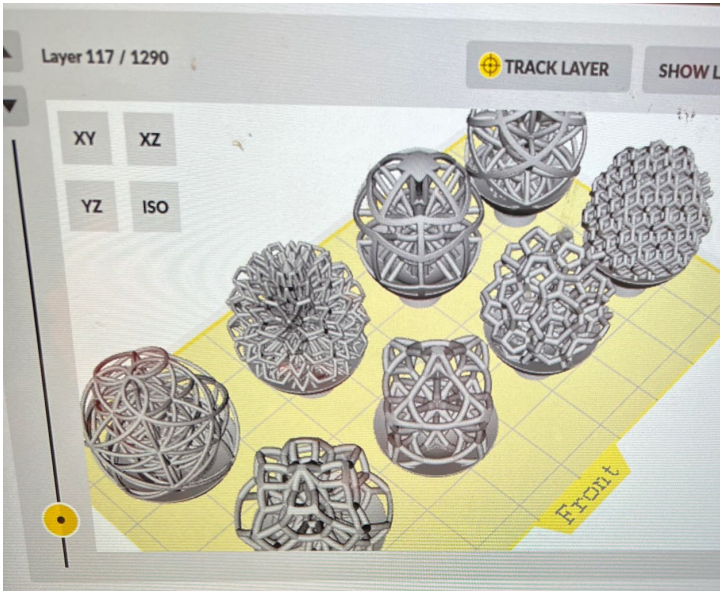
Research center with **seven Lithoz CeraFab S65 Medical printers, three ovens, and two furnaces.**



Best-in-class team of experts specializing in **research and development, strategy and commercialization** with a rigorous **quality control** process.



Serial production focusing on standardization, **scalability**, automation, lean and **just-in-time manufacturing.**





Benefits in Medicine

- Biocompatibility, anti-biofouling, superior medical imaging, dense and porous structure mimicking cortical-cancellous bone
- Limitations of traditional implants including higher than desired failure rates, an opportunity to develop a biomaterial that plays a more significant role in the healing process may help improve outcomes and thus, quality of life
- Enables cost efficient patient-specific device manufacturing
- Concentrated on healthcare economics, product reimbursement efforts, and surgical outcomes

Benefits in Industry

Photopolymerization technologies will be the primary means to AM technical ceramic parts⁵

- DLP technology is expected to become the most widely adopted, with 39% CAGR

Superior technology, innovation, and R&D, combined with:

- Experts in 3D printing & AM
- 3D printers/materials for ceramic applications
- Leaders in materials science research

Focusing on a “Powder to Product” methodology using many materials across several industries for scalability



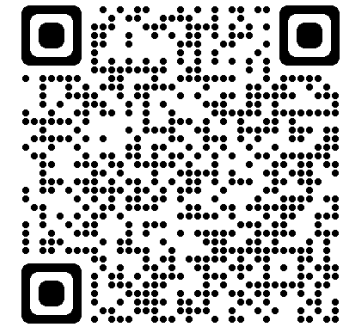
LET'S COLLABORATE ON YOUR NEXT CHALLENGE

Questions ?

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