

Welcome to Nanoscribe Headquarters!

Nanoscribe GmbH & Co. KG

Martin Hermatschweiler, CEO & Co-Founder

May 11th, 2022

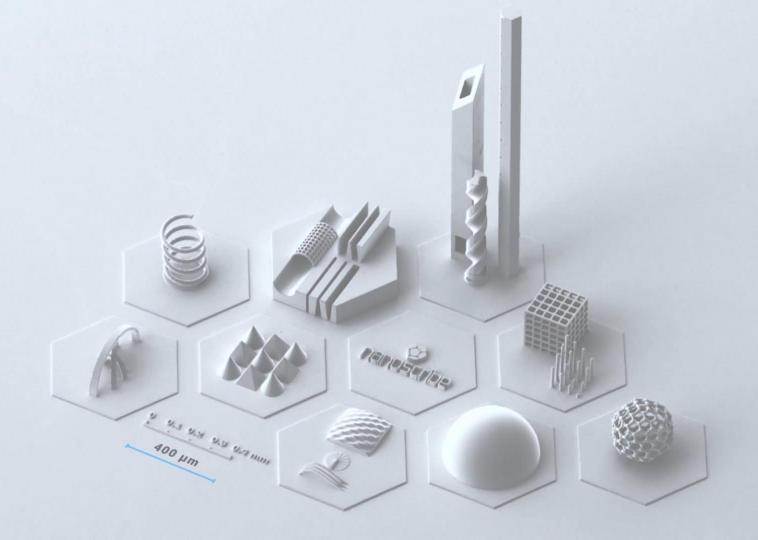
EPIC Meeting on Advanced Microoptics

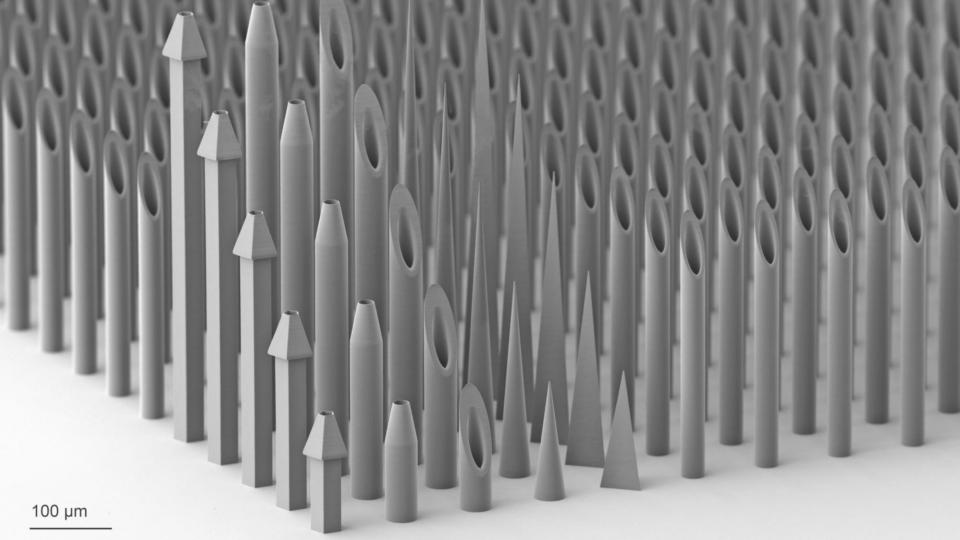
Nanoscribe worldwide in figures

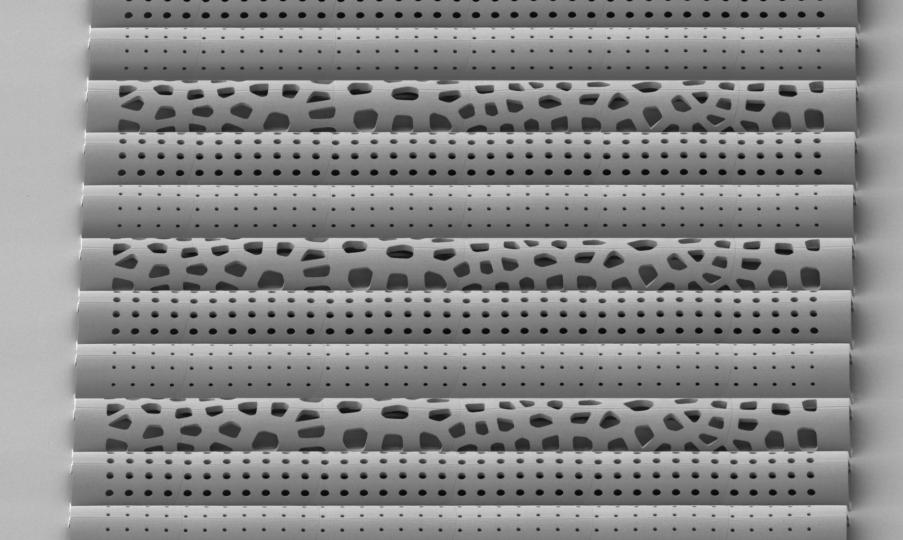




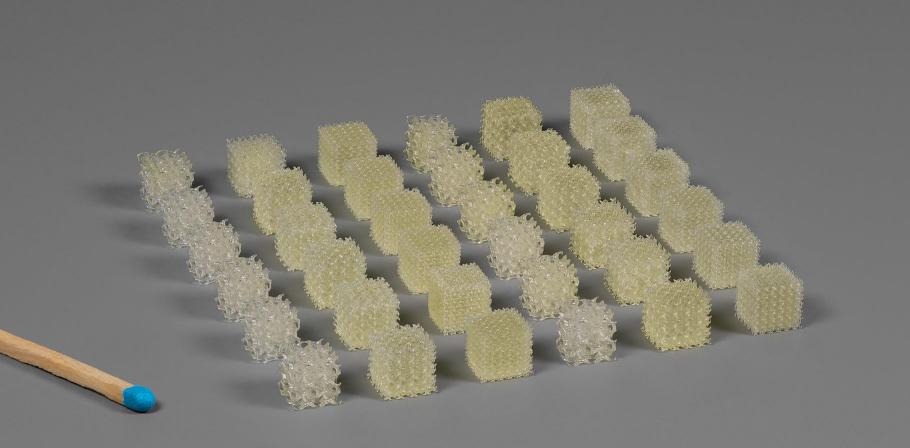












High Precision Microfabrication Systems Product lines



Quantum X align

Quantum X bio

Quantum X shape

Quantum X

Photonic Professional GT2











"Best in class
3D printer with
nanoprecision
alignment system"

"The world's most accurate 3D bioprinter"

"Fastest and most accurate 3D printer in class"

"World's first 2GL ®
Two-Photon
Grayscale
Lithography system"

"The most field-proven high-precision 3D printer for fundamental innovations"

Photoresins / Biomaterials / Slurries





- Open platform with broad range of own, 3rd party and custom resists
- Universal & functionalized resins
- GP-silica for 3D printing of glass microstructures
- Biocompatible & biodegradable materials incl. hydrogels
- Low fluorescent material
- High refractive index material
- Soft, flexible & elastic material

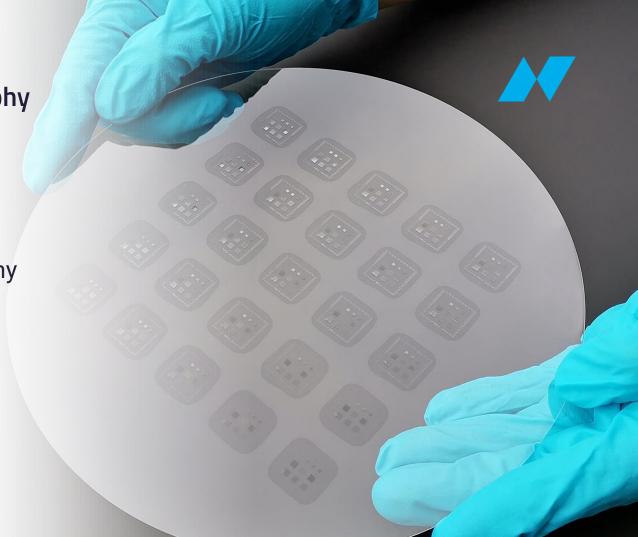






- ▶ 8" wafer replication
- Nanoimprint lithography
- Produced by our partner EV Group

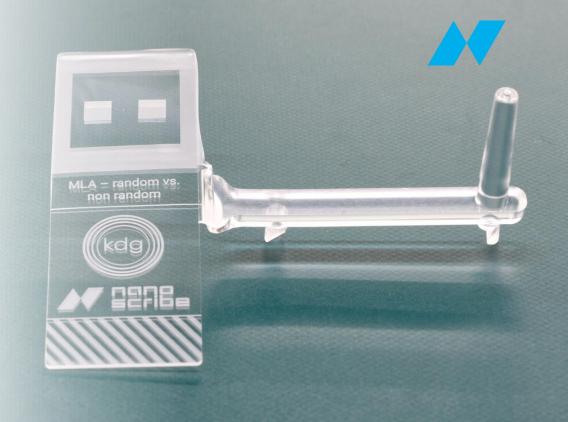




Replication processes Injection Molding

- Beam homogenizer
- Injection molded replica
- Sprue and runner still attached
- Produced by our partner kdg





Printed optics on fiber tips

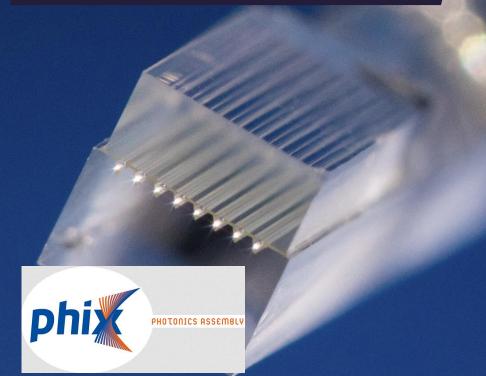


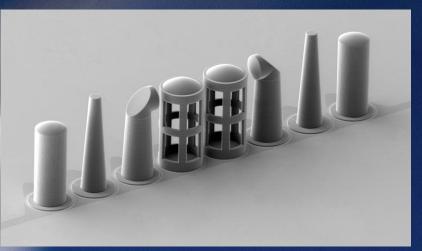
- Printoptix as spin-off company from University of Stuttgart
- Design & manufacturing of microoptical systems custom-made
- Examples:
 - miniature endoscope objectives on imaging fibers
 - Microprojectors with 200 µm diameter on the tip of a fiber
- www.printoptix.com

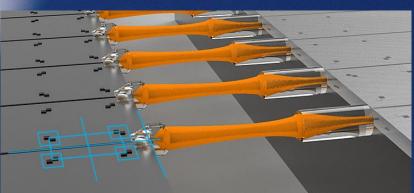


Imaging system with central aperture on the tip of a 160 µm imaging fiber.

Quantum X align Connect to the photonic world









Thanks for being with us!





Join our company visit Thursday, 14:00-15:30

