High-precision 3D printing in research, prototyping and production

Alexander Legant, Sales Manager EMEA

EPIC Online Technology Meeting on 3D Printing

May 15, 2020

What does Nanoscribe offer?

Comprehensive ecosystem for microfabrication

We offer cutting-edge microfabrication systems with matching resins, software tools, optimized processes, technical consulting and services.

Photonic Professional GT2

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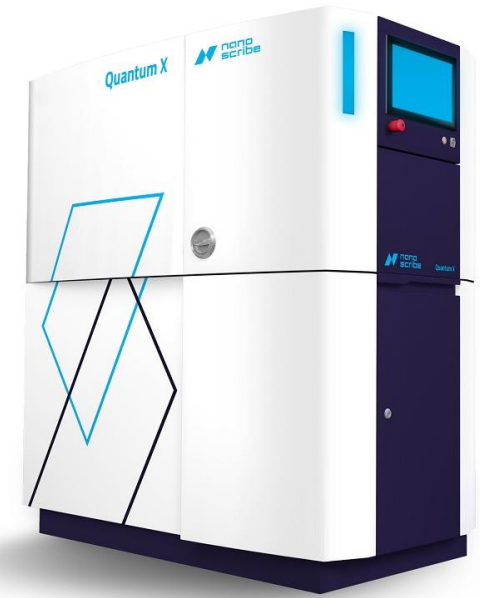

Quantum X

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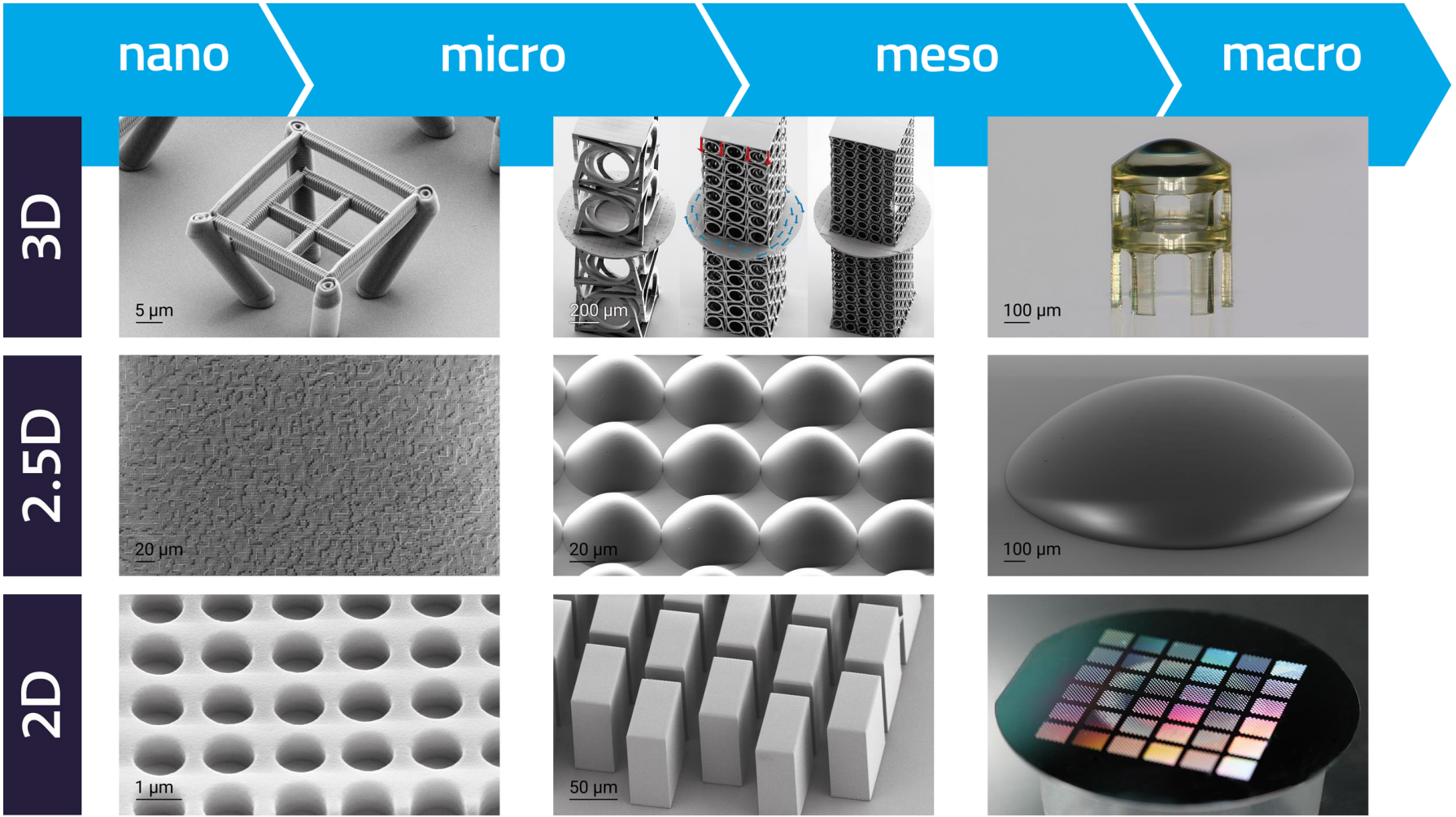
Who is Nanoscribe?

What we do and where we come from

Nanoscribe worldwide in figures

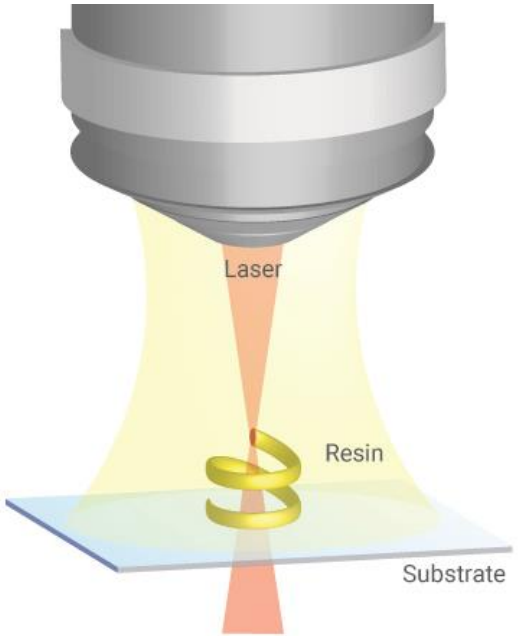
In January 2020 we moved our headquarters to the brand-new ZEISS Innovation Hub @ KIT with modern facilities and >4,200 m² of space to take microfabrication to the next level.

Join our EPIC meeting on November 5+6, 2020


nano
micro
meso
macro
3D
2.5D
2D
5 µm
200 µm
100 µm
20 µm
20 µm
100 µm
1 µm
50 µm

Two-Photon Polymerization

- Additive manufacturing technique
- Submicrometer resolution
- Strongly confined exposure
- High-speed galvo scanning
- High-resolution printable resins
- Printing in one process step

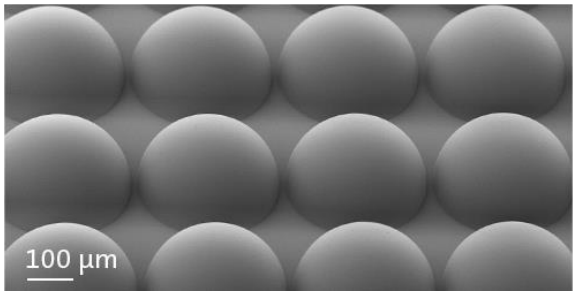


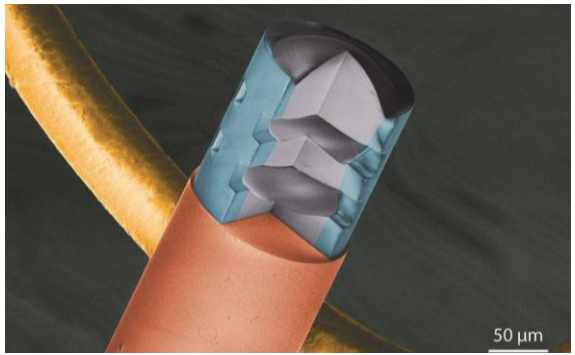
Contact me to learn more about 2PP!

Applications

Demonstrated success in applications like:

- Photonics
- Integrated photonics
- Refractive + diffractive microoptics
- Microfluidics
- Rapid prototyping
- Micro-mechanics/MEMS
- Life sciences
- Materials engineering

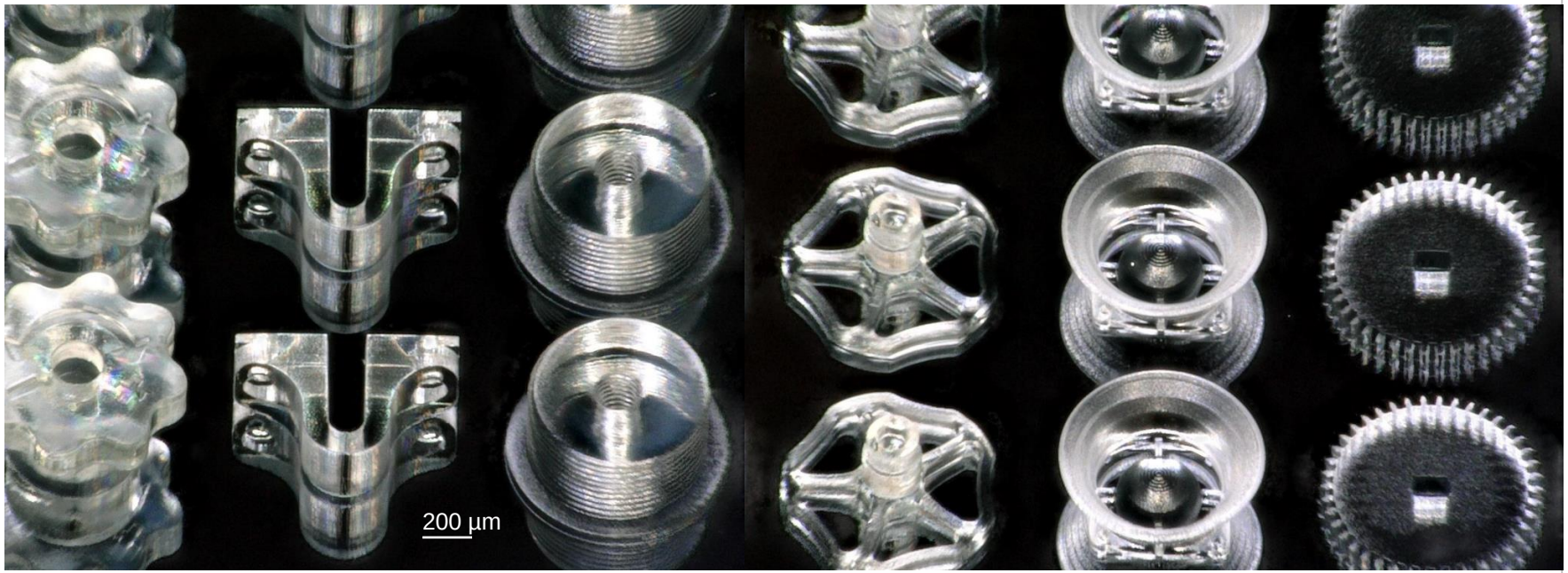




T. Gissibl et al., Nature Phot. 10, 554 (2016)

3D printing of meso scale objects

3D printing of meso scale objects



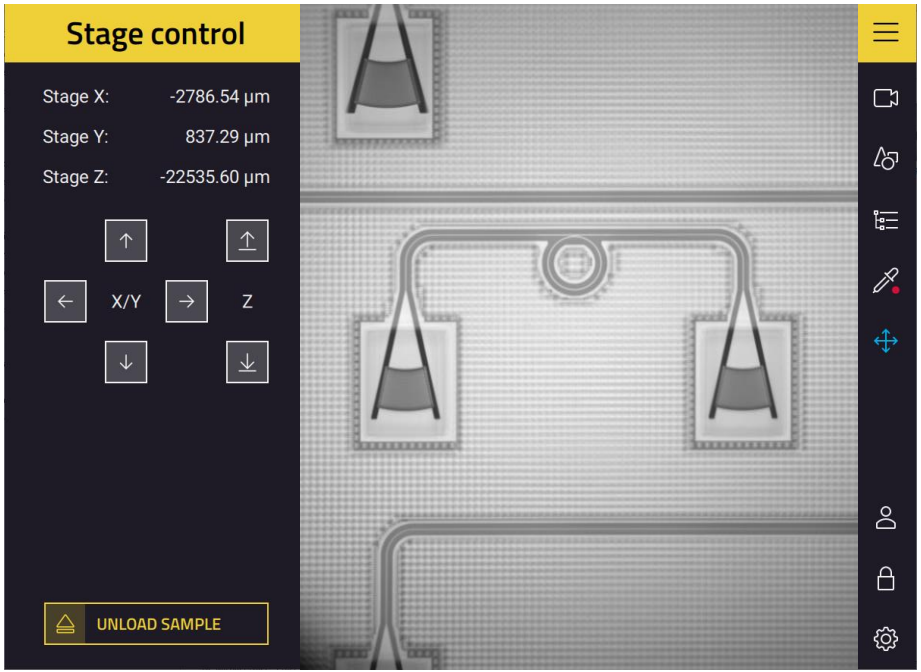
Print time: 5 min for each mechanical part with 1mm diameter

Additive photonic packaging

We drive assembly-free production of optical components - without further assembly, alignment, or fixing steps.

- On chip
- On fiber
- On laser
- Wafer-scale or die

Contact us to discuss your challenges!



What is Nanoscribe looking for?

Nanoscribe – what we look for

- Pioneers and innovators driving industrial applications requiring 3D microfabrication
- Partners seizing the benefits of assembly-free photonic integration to bring enhanced products to the market
- We offer feasibility demonstrations to show the compatibility with your application.

Contact: legant@nanoscribe.com

World's highest resolution 3D printer

Think big.
Print nano.

Questions?

Alexander Legant
legant@nanoscribe.com