

The MPO 100: 3D Lithography and 3D Microprinting via Two-Photon Polymerization

Volker HEINE - *Heidelberg Instruments Mikrotechnik, Germany*

High-precision 3D printing provides a wide range of freedom in design for many applications, like micro-optics, photonics, micro-mechanics and biomedical engineering. The modular 3D printing platform MPO 100 offers high precision on demand for 3D Lithography as well as high print volume for 3D Microprinting and enables production of complex functional microstructures. The talk will give an introduction into the technology and show examples of applications realized with the MPO 100 system.