Photonic Professional GT

The next generation 3D laser lithography system, Photonic Professional *GT* sets new standards in 3D microprinting and maskless lithography. It combines two writing modes in one device: an ultra-precise piezo mode for arbitrary 3D trajectories[(FBMS)](http://www.nanoscribe.de/en/technology/additive-manufacturing/#FBMS)and the high-speed galvo mode [(MBFS)](http://www.nanoscribe.de/en/technology/additive-manufacturing/#MBFS) for fastest structuring in a layer-by-layer fashion. In combination with the software package, the system is embedded best along the [3D printing workflow](http://www.nanoscribe.de/en/products/software/) and offers a high degree of automation. In addition, the Photonic Professional *GT* allows for the fabrication of high-resolution photo masks and other direct write applications.

Key Features

* Highest resolution commercially available 3D printer
* Fast and accurate by galvo and piezo technology
* Two-photon polymerization of various UV-curable photoresists
* Two-photon exposure of common positive-tone photoresists
* Writing area up to 100 × 100 mm² range
* High-sensitivity microscope camera for realtime observation of the printing process
* User-friendly software package for 3D printing workflow
* Easy CAD import via STL file format

