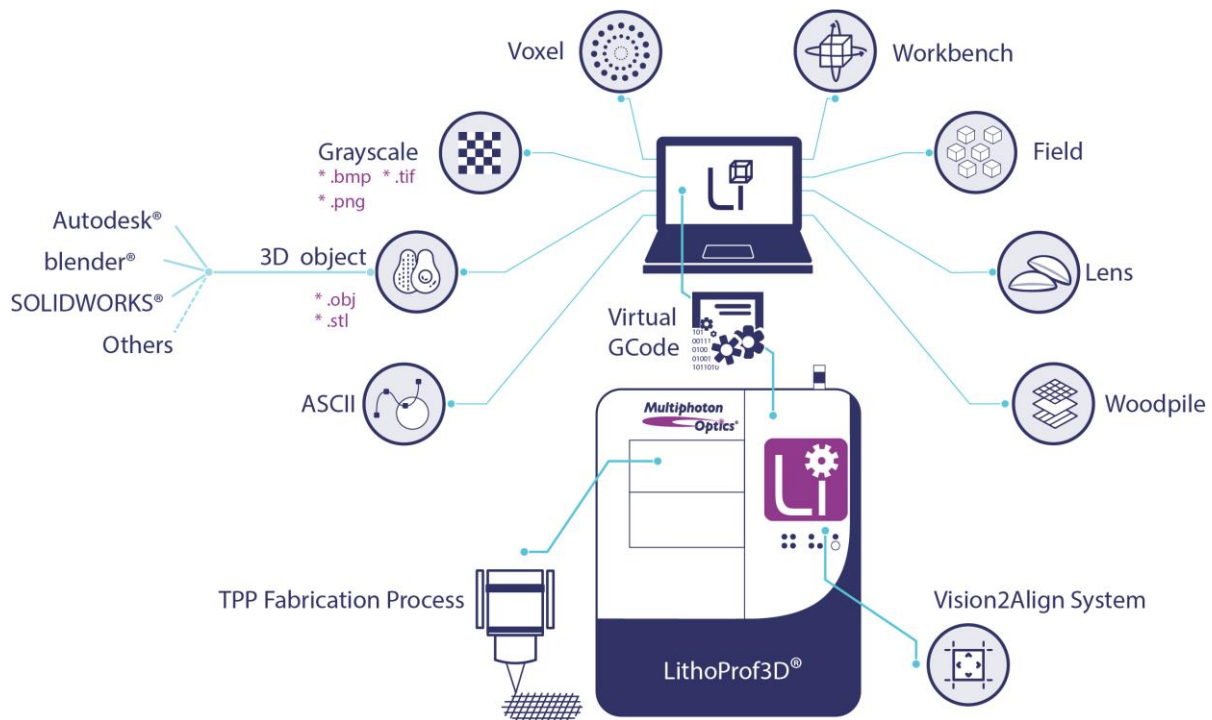


Ultimate 3D Lithography Software Solution

LithoSoft3D & LithoStream

Unique software toolkit for TPP direct laser writing of structures ranging from 1D to 3D.



LithoSoft3D

Desktop software to transform design data into **virtual GCode**.

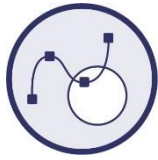
- Machine-independent **virtual GCode** creation (code adaptable by LithoStream at machine level)
- 8 application-oriented modules covering multiple design formats
- File preparation for independent workgroups at any desktop
- Laser trajectory definition (e.g. Full-volume scanning, Contouring, LCON3D)
- Multiple fabrication modes (via stage, galvoscaner and IFoV)

LithoStream

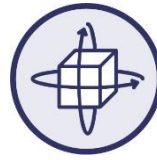
LithoProf3D® control software to run the TPP fabrication process.

- Control of machine-dependent process parameters (e.g. scan speed, laser power)
- Selection of different microscope objectives
- Live monitoring of the fabrication process
- Batch TPP fabrication processes
- Automatic autofocus, triangulation, power calibration and power check
- Output of fabrication parameters into a fabrication/sample database

LithoSoft3D Modules



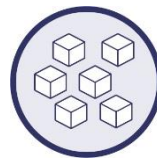
ASCII – Import of point clouds (txt files) to be connected by different splines.



Workbench – Modification and rearrangement of multiple already created structures from other modules.



3D object – Import and processing of STL/ obj files.



Field – Definition of arrangement patterns (e. g. hexagonal, circle, rectangular) including automatic parameter searches.



Grayscale – Import of grayscale designs, e. g. of Diffractive Optical Elements (DOE).



Lens – Definition or import of lens designs.



Voxel – Design of voxel fields.



Woodpile – Generation of woodpile structures.

LithoStream Graphical User Interface (GUI) – Main Menu Tab