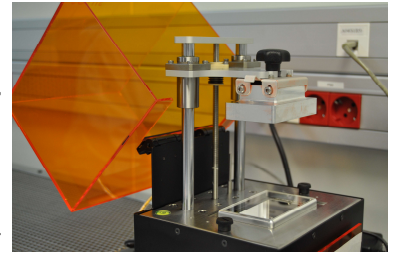
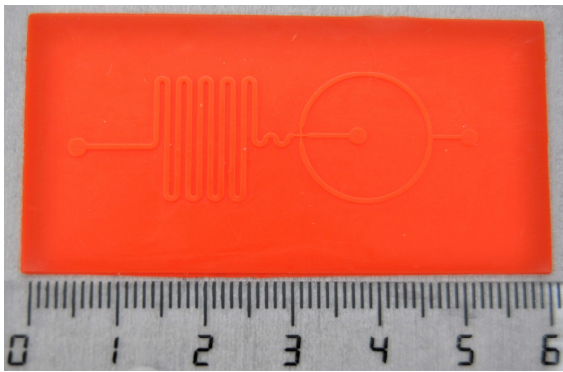


Manufacturer
Reify 3D

Model
Solus DLP 3D Printer



3D Printer



Fabrication of 3D sub-millimeter structures

The DLP 3D printer uses a HD direct light projector to create sub-millimetric 3D structures. The DLP projector allows to flash a single image at each resin layer, which increases fabrication speed

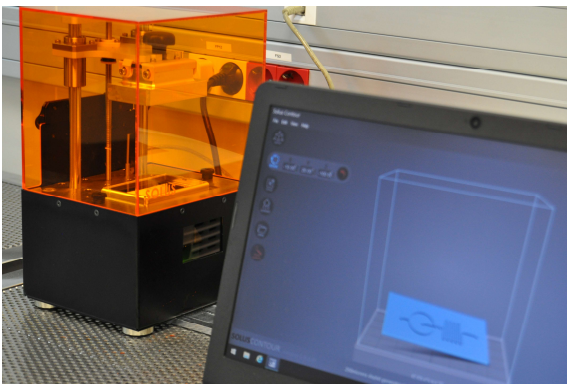
Technical specifications

- White light Vivitek 1189 DLP projector with 1080p resolution
- 36W UV source for post-curing process (370 nm)
- 80 mm x 45 mm x 80 mm CNC aluminum build platform
- Acrylic resin tank with non-stick replacement Teflon film
- XY resolution:
 - 25 μm at 48 x 27 x 80 mm³ building area
 - 41 μm at 80 x 45 x 80 mm³ building area
- Layer thickness (Z resolution): from 10 μm to 100 μm

Resins:

- SolusProto:
 - Orange opaque resin
 - Supports 10 μm slices
 - Fast dry to cut down on post curing times
 - Great mechanical performance
 - Low shrinkage for excellent dimensional accuracy and stability
 - Withstands high temperatures for mold making

3D Printer



Available software:

Solus Contour (SC 1.4.14)

- User friendly interface
- Layer Previews (displays each slice of a model)
- Support Detection (accurately detects islands that require supports in a print)
- Resin Profiling (optimized for B9, MJ-Waxcast, Solus-proto resins and add resin feature)
- Projector Shutdown (shuts down the projector after a print is completed)

Netfab

- Allows to repair STL files before trying to use them in the 3D printer