

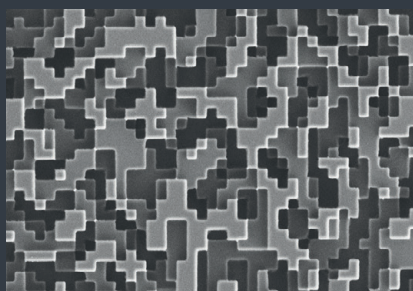
Nanoimprint lithography with a desktop HoloPrinter

Ideal for Rapid Prototyping, Experimentation and Education



HoloPrint® uniA6 DT

The HoloPrint® uniA6 DT is an easy-to-use desktop device for lab-scale nanoimprint lithography work. Applications include nanoimprinting of surface structures, diffractive optical elements and other types of functional opto-structures.



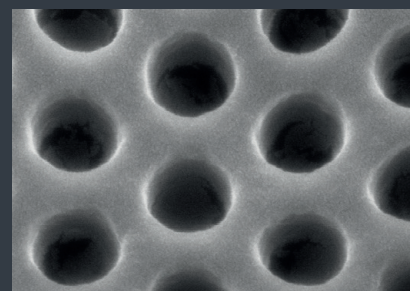
4-level beam splitter

Cell width/depth 500nm
Courtesy of NIL Technology



Micro-engraving

Line width 20µm, depth 10µm
Courtesy of Karmic Sàrl



Nanostructure for life science

Cavity diameter 350nm
Courtesy of IMT AG

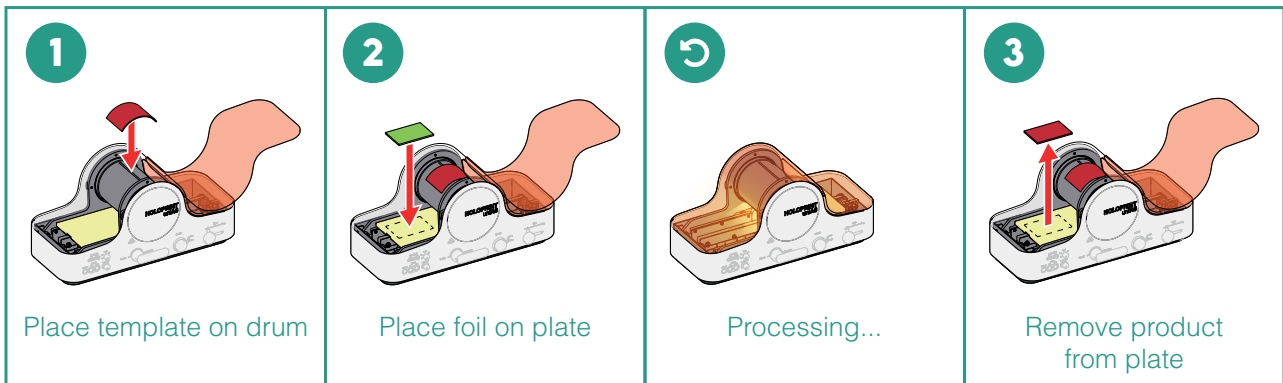
The HoloPrint® uniA6 DT enables the user to carry out testing and characterization of photo-curable resins and nanoimprint materials. It comes with our patent-pending optical curing engine and an easy mounting method for nanoimprint templates. Use your own templates made of PDMS or HPDMS or make templates from our easy-to-use consumables.

STENSBO RG



Get a quick and easy start on Nanoimprinting with the
HoloPrint® uniA6 DT
 and selection of consumables

Fast replication of nano-structures



HoloPrint® uniA6 DT overview



Specs

Max imprint size:
 Replication speed:
 Two outputs:
 Optical curing engine:
 Device Size and Weight:

105x148 mm (WxL), Substrate thickness up to 8mm
 60 manual replications per hour (speed up to 6m/min)
 Roll to plate and roll to foil operation
 LongLife 395nm LED, up to 100mJ/cm² at 6m/min
 670x380x320 mm (LxWxH), 26kg



Tools

Sturdy flight case
 Protective cover foil
 Allen key screwdriver
 Digital thermometer
 Lee filter sheet
 PP Pipettes: 8 pcs

Imprinting plates: 3 pcs
 Soft impression sheet
 Glass plate 3x155x310 mm
 3M Scotch 810 Magic tape
 Power Supply (220/110 VAC)



Foils

Substrate Material
 PVC, 200µm: 15 pcs
 PC, 180µm: 15 pcs
 PET, 36µm: 15 pcs

Size	Bearer stripes
105 x 148 mm	15 x 300 mm; 6 pcs
105 x 148 mm	15 x 300 mm; 6 pcs
105 x 148 mm	15 x 300 mm; 6 pcs



Chemistry

Template resin DM56
 Template resin DM57
 Replication resin X29
 Replication resin X166b

10ml (low viscosity)
 10ml (high viscosity)
 10ml (high viscosity)
 10ml (low viscosity)



STENSBERG

Come talk to us about your special nanoimprinting needs.
 We have over 20 years of experience.