

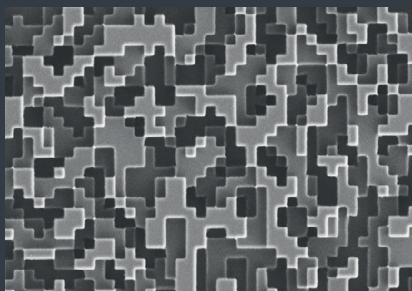
Nanoimprint lithography with a desktop HoloPrinter

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.



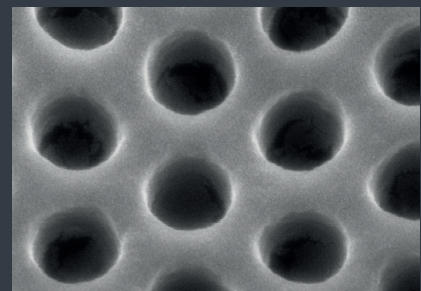
4-level beam splitter

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

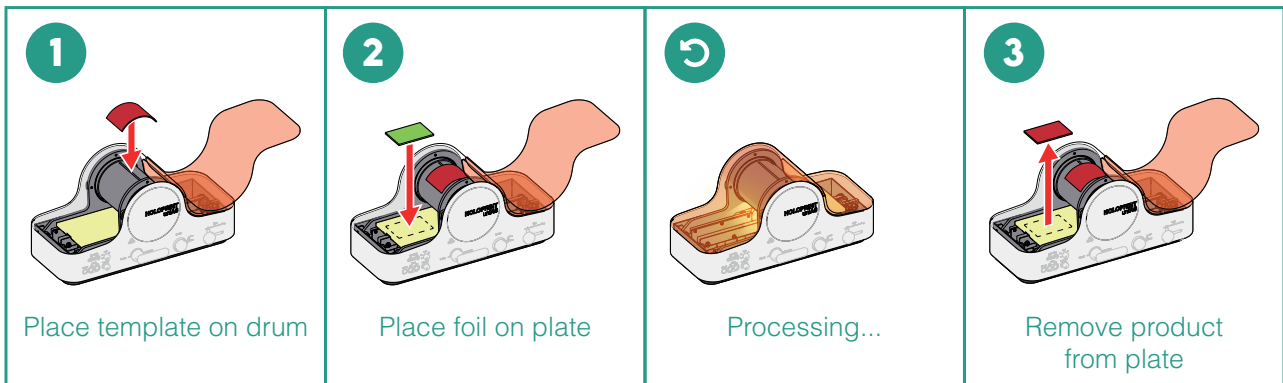
The HoloPrint® uniA6 DT enables the user to carry out testing and characterization of photo-curable resins and nanoimprint materials. It comes with our patent-pending optical curing engine and an easy mounting method for nanoimprint templates. Use your own templates made of PDMS or HPDMS or make templates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

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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: 105x148 mm (WxL), Substrate thickness up to 8mm
 Replication speed: 60 manual replications per hour (speed up to 6m/min)
 Two outputs: Roll to plate and roll to foil operation
 Optical curing engine: LongLife 395nm LED, up to 100mJ/cm2 at 6m/min
 Device Size and Weight: 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	Size	Bearer stripes
PVC, 200µm: 15 pcs	105 x 148 mm	15 x 300 mm; 6 pcs
PC, 180µm: 15 pcs	105 x 148 mm	15 x 300 mm; 6 pcs
PET, 36µm: 15 pcs	105 x 148 mm	15 x 300 mm; 6 pcs



Chemistry

Template resin DM56	10ml (low viscosity)
Template resin DM57	10ml (high viscosity)
Replication resin X29	10ml (high viscosity)
Replication resin X166b	10ml (low viscosity)



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