

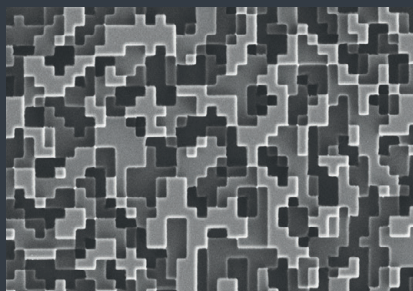
Nanoimprint lithography with a desktop HoloPrinter

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.



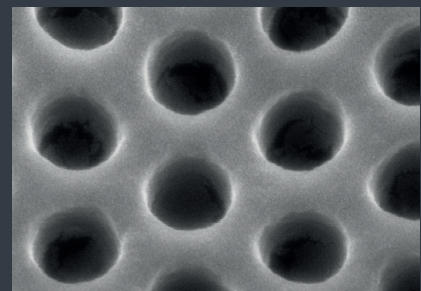
4-level beam splitter

Cell width/depth 500nm
Courtesy of NIL Technology



Micro-engraving

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



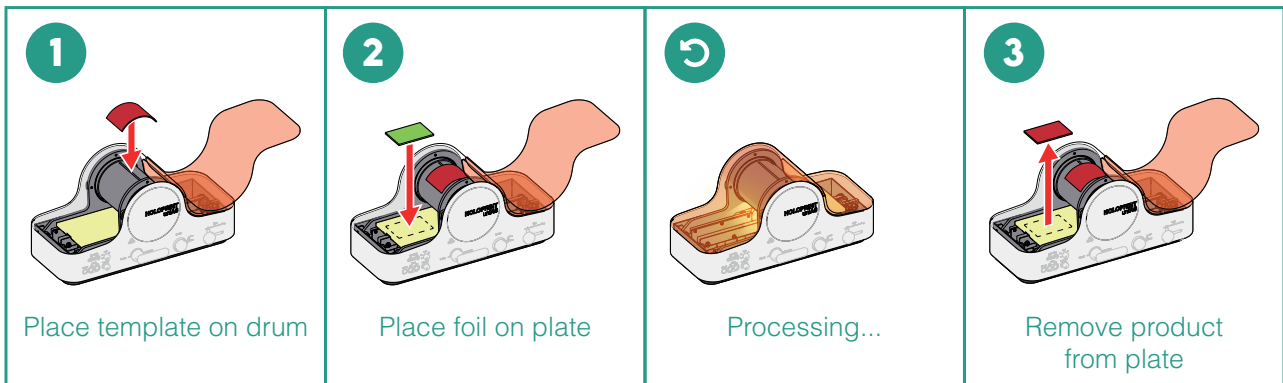
Nanostructure for life science

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.

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

 <p>Specs</p>	<p>Max imprint size: Replication speed: Two outputs: Optical curing engine: Device Size and Weight:</p>	<p>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</p>
 <p>Tools</p>	<p>Sturdy flight case Protective cover foil Allen key screwdriver Digital thermometer Lee filter sheet PP Pipettes: 8 pcs</p>	<p>Imprinting plates: 3 pcs Soft impression sheet Glass plate 3x155x310 mm 3M Scotch 810 Magic tape Power Supply (220/110 VAC)</p> 
 <p>Foils</p>	<p><i>Substrate Material</i> PVC, 200µm: 15 pcs PC, 180µm: 15 pcs PET, 36µm: 15 pcs</p>	<p><i>Size</i> 105 x 148 mm 105 x 148 mm 105 x 148 mm</p> <p><i>Bearer stripes</i> 15 x 300 mm; 6 pcs 15 x 300 mm; 6 pcs 15 x 300 mm; 6 pcs</p>
 <p>Chemistry</p>	<p>Template resin DM56 Template resin DM57 Replication resin X29 Replication resin X166b</p>	<p>10ml (low viscosity) 10ml (high viscosity) 10ml (high viscosity) 10ml (low viscosity)</p> 

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