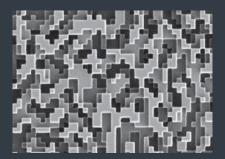
Nanoimprint lithography with a desktop NanoImprinter

Compact Roller-based tool for Rapid Prototyping and Experimentation.



Desktop R2P Nanolmprinter

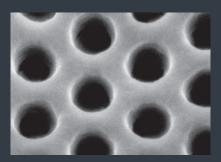
The Desktop R2P NanoImprinter is a one-of-a-kind small-scale production machine. It is versatile, multifunctional and can pattern features down to a few nanometers with excellent replication quality. Used by academic researchers and industrial innovators for applications in photonics, displays, solar energy, biomedical devices, and more.



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 Desktop R2P NanoImprinter enables the user to carry out testing and characterisation of photo-curable resins and nanoimprint materials using a **patented** nip imprinting process. It comes with our **patented** optical curing engine and easy mounting method for nanoimprint templates. Use your own templates made of PDMS, PFPE or hydrogels or make templates from our easy-to-use consumables.

<u>+45 4677 5930</u> info@stensborg.com www.stensborg.com Stensborg A/S Risoe Huse 50 4000 Roskilde Denmark

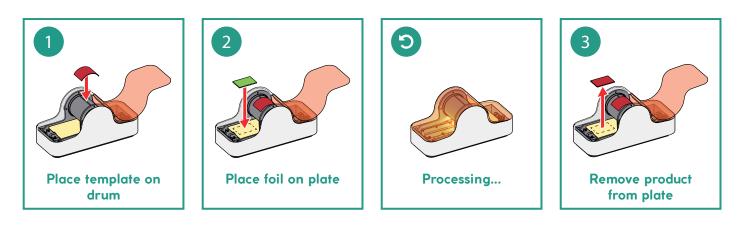




Get a quick and easy start on nanoimprinting with the

Desktop R2P NanoImprinter

and selection of consumables



Fast replication of nano-structures

Desktop R2P NanoImprinter overview

	Specs	Max imprint size: Replication speed: Speed range: Two outputs: Optical curing engine: Device size and weight:	up to 105x188 mm (WxL), Substrate thickness up to 11mm 60 manual replications per hour (speed up to 5m/min) 0.1 to 5 m/min Roll-to-Plate and Roll-to-Foil operation LongLife 395nm LED, up to 120mJ/cm ² at 5m/min 670x380x320 mm (LxWxH), 26kg
J.	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)
6	Foils	Substrate Material PVC, 200µm: 15 pcs PC, 180µm: 15 pcs PET, 125µm: 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
\bigcirc	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)

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