

## ProCoater™

### FIBER RECOATER

The ProCoater is an ultra-compact fiber recoater adapted for a wide range of fiber diameters and coating compounds. The ProCoater is specifically designed for ease of use and flexibility in mind, making it ideal for production as well as research & development applications.

The ProCoater can be used with square shaped plastic or silicon based moulds depending on resin types.

The plastic moulds are designed to accommodate the most common high index resins and are available in sizes 250, 400, 500, 600 and 900  $\mu\text{m}$ . Customized sizes can be made upon request.

The silicon moulds are designed to accommodate low index resins and are available in sizes 250, 400, 550, 650 and 750  $\mu\text{m}$ .

To ensure very fast cycle times the ProCoater uses an array of high power and wavelength adapted UV LEDs generating a typical curing time of less than 3 seconds.

The ProCoater can be programmed with four different recoating programs, easily selectable by the touch panel. The recoating programs and all general settings can be accessed and modified through an external PC program.

The ProCoater is powered either from an external power supply or the internal re-chargeable battery. The recoater's ultra-compact design and battery operation makes it ideal for portable use or where the space is limited.



#### Key Features

- Unique square shaped plastic and silicon based moulds, adapted for High and Low Index resins
- Flexibility, wide range of fiber diameters
- Lightweight and ultra-compact design
- Very fast curing time < 3 seconds
- Operates on built in rechargeable battery or external power supply

#### Technical Specifications

<b>Dimensions:</b>	125(W) x 65(D) x 62(H) mm
<b>Weight:</b>	0.8 Kg
<b>Power Source:</b>	Built in rechargeable battery or external powersupply (100 - 240 V AC, 50/60 Hz)
<b>Cure Method:</b>	UV-Light @ 365nm
<b>Fiber Coating:</b>	Plastic Moulds 250—900 $\mu\text{m}$ Silicon Moulds 250—750 $\mu\text{m}$

INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE

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### Ordering information:

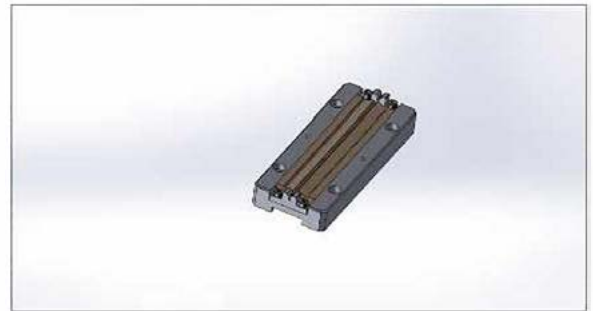
The ProCoater is delivered without moulds, the moulds are ordered separately depending on resin type and coating diameter.

**Plastic Moulds:** the Plastic moulds are a consumable and delivered as a complete and pre-assembled kit. The plastic moulds can easily be changed by the operator in a few minutes.

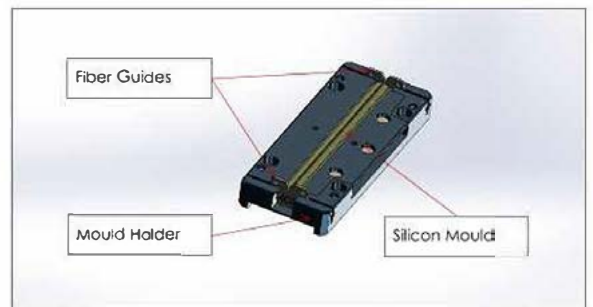
**Silicon Moulds:** To be able to use Silicon moulds a silicon mould holder and a fitting fiber guide is required (these are not consumables). The silicon moulds are a consumable and delivered in a package of 10 moulds. The silicon moulds can easily be changed by the operator in a few seconds.

Product	Part #	Qty
<b>NorthLab ProCoater, excl. Mould</b>	<b>RC-10-10000</b>	
<b>Standard Package</b>		
Power Supply	CL-90-90002	1
Power Cable EU	TBA	1
Power Cable US	TBA	1
USB Cable	TBA	1
Hex key 1.5 mm	RC-01-01020	1
Silicon pad (5pcs)	RC-01-01030	1
User's Manual (pdf)	PDF	1
<b>Plastic Moulds (Complete kit)</b>		
Mould 250 µm, Plastic	RC-01-01001	
Mould 400 µm, Plastic	RC-01-01003	
Mould 500 µm, Plastic	RC-01-01004	
Mould 600 µm, Plastic	RC-01-01005	
Mould 900 µm, Plastic	RC-01-01008	
<b>Silicon Mould Holder &amp; Fiber Guides</b>		
Silicon Mould Holder	RC-10-10050	
Fiber Guide, 250um (1 pair)	RC-10-10051	
Fiber Guide, 400um (1 pair)	RC-10-10052	
Fiber Guide, 550um (1 pair)	RC-10-10053	
Fiber Guide, 650um (1 pair)	RC-10-10054	
Fiber Guide, 750um (1 pair)	RC-10-10055	
<b>Silicon Moulds (10pcs/package)</b>		
Mould 250um, Silicon (1 pack)	RC-01-01011	
Mould 400um, Silicon (1 pack)	RC-01-01013	
Mould 550um, Silicon (1 pack)	RC-01-01014	
Mould 650um, Silicon (1 pack)	RC-01-01015	
Mould 750um, Silicon (1 pack)	RC-01-01016	

Plastic Mould, Complete



Silicon Mould, Mould Holder & Fiber Guide



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