

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 and 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 μm . 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 μm .

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 rechargeable battery. The recoater's ultra-compact design and battery operation make 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

Dimensions:	125(W) x 65(D) x 62(H) mm
Weight:	0.8 Kg
Power Source:	Built in rechargeable battery or external power supply (100 - 240 V AC, 50/60 Hz)
Cure Method:	UV-Light @ 365nm
Fiber Coating:	Plastic Moulds 250–900 μm Silicon Moulds 250–750 μm

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 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 consumable). The silicon moulds are 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
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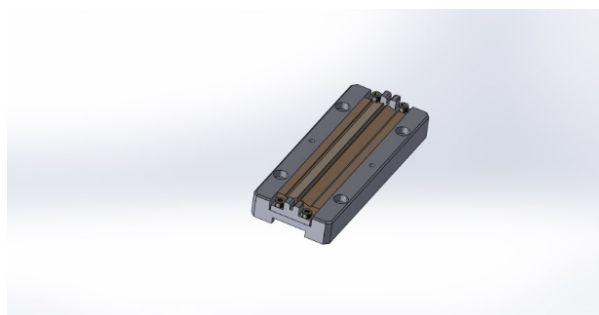
NorthLab ProCoater, excl. Mould

RC-10-1000

Standard Package

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

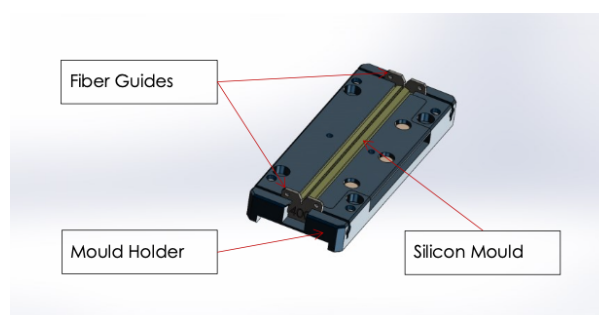
Plastic mould, complete



Plastic Moulds (Complete kit)

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

Silicon mould, mould holder and fiber guide



Silicon Mould Holder & Fiber Guides

Silicon Mould Holde	RC-10-10050
Fiber Guide, 400µm (1 pair)	RC-10-10052
Fiber Guide, 550µm (1 pair)	RC-10-10053
Fiber Guide, 650µm (1 pair)	RC-10-10054
Fiber Guide, 750µm (1 pair)	RC-10-10055

Silicon Moulds (10pcs/package)

Mould 250µm, Silicon (1 pack)	RC-01-01011
Mould 400µm, Silicon (1 pack)	RC-01-01013
Mould 550µm, Silicon (1 pack)	RC-01-01014
Mould 650µm, Silicon (1 pack)	RC-01-01015

Information is subject to change without notice.