

MICROCOATER™

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Very compact fiber recoater

- Very compact design with built in rechargeable battery
- Affordable silicone square moulds
- Easy to switch between different fiber coating diameters and recoating materials
- High and low index recoating capability
- Short curing times



The extremely small and light weight MICROCOATER™ provides versatile recoating capability in situations where portability and flexibility is needed. Square silicone moulds are available in different sizes to cover a wide range of optical fibers and can easily be exchanged by the operator in a few seconds with no realignment of the system being required.

Short curing times are achieved through the highly efficient UV LED light source which enables fast processing of both standard high index recoating materials and more specialized low index compounds that are used in various high power applications.

The MICROCOATER™ is well suited for research and development operations and small scale production where square shaped recoatings are accepted and the fiber type and dimension as well as the recoating material need to be changed frequently. It can also, thanks to the small size and built in re-chargeable battery, be used for recoating in a remote field environment such as an oil drilling platform, field service of fiber lasers and other fiber devices, and in other situations where a high degree of portability is required. The curing time is programmable. The MICROCOATER™ has a simple two button control and a clean and robust design.



TECHNICAL DATA

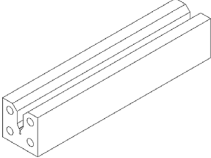
Curing time	Programmable, 3 s typical
Light source	UV LED
Wavelength	380-385 nm
Mould material	Silicone
Mould length	34 mm
Recoating diameter	165, 250, 300, 400 & 900µm*
Power supply	Battery or external 12 V DC, 40 W
Dimensions	134 mm (W) x 60 mm (D) x 63 mm (H)
Weight	0.46 kg

NYFORS part number: 10100116 * Custom moulds available.

AUTO
COATER 2
RECOATER 2
MINICOATER 2
MINICOATER 2S
RECOATER 2 XL
MICROCOATER

Accessories available					
Mould, 34mm	Coating diameter	Article number	Mould Length	Article description	
 34mm	165µm	10100036	34mm	Mould, Rec 2-series, 165µm, 34mm	• • •
	250(-) µm*	10100094	34mm	Mould, Rec 2-series, 250(-)µm, 34mm	• • •
	250µm	10100037	34mm	Mould, Rec 2-series, 250µm, 34mm	• • •
	300µm	10100038	34mm	Mould, Rec 2-series, 300µm, 34mm	• • •
	400µm	10100039	34mm	Mould, Rec 2-series, 400µm, 34mm	• • •
	550µm	10100040	34mm	Mould, Rec 2-series, 550µm, 34mm	• • •
	730µm	10100078	34mm	Mould, Rec 2-series, 730µm, 34mm	• • •
	750µm	10100109	34mm	Mould, Rec 2-series, 750µm, 34mm	• • •
	900µm	10100041	34mm	Mould, Rec 2-series, 900µm, 34mm	• • •
	1500µm	10100081	34mm	Mould, Rec 2-series, 1500µm, 34mm	• • •
	250µm	10100106	20mm	Mould, Rec 2-series, 250µm, 20mm	• • •
	Custom	10100095	34mm	Mould, Rec 2-series, cust µm, 34mm	• • •

Mould, 55mm	Coating diameter	Article number	Mould Length	Article description	
 55mm	165µm	10100042	55mm	Mould, Rec 2-series, 165µm, 55mm	• • •
	250µm	10100043	55mm	Mould, Rec 2-series, 250µm, 55mm	• • •
	300µm	10100044	55mm	Mould, Rec 2-series, 300µm, 55mm	• • •
	400µm	10100045	55mm	Mould, Rec 2-series, 400µm, 55mm	• • •
	550µm	10100046	55mm	Mould, Rec 2-series, 550µm, 55mm	• • •
	730µm	10100079	55mm	Mould, Rec 2-series, 730µm, 55mm	• • •
	900µm	10100047	55mm	Mould, Rec 2-series, 900µm, 55mm	• • •
	Custom	10100092	55mm	Mould, Rec 2-series, cust µm, 55mm	• • •

Mould, 110mm	Coating diameter	Article number	Mould Length	Article description	
 110mm	165µm	10100048	110mm	Mould, Rec 2-series, 165µm, 110mm	•
	250µm	10100049	110mm	Mould, Rec 2-series, 250µm, 110mm	•
	300µm	10100050	110mm	Mould, Rec 2-series, 300µm, 110mm	•
	400µm	10100051	110mm	Mould, Rec 2-series, 400µm, 110mm	•
	550µm	10100052	110mm	Mould, Rec 2-series, 550µm, 110mm	•
	730µm	10100080	110mm	Mould, Rec 2-series, 730µm, 110mm	•
	900µm	10100053	110mm	Mould, Rec 2-series, 900µm, 110mm	•

Mould Square, 34mm	Coating diameter	Article number	Mould Length	Article description	
	250µm	10100013	34mm	Mould, Square, 250µm, 34mm	• •
	300µm	10100014	34mm	Mould, Square, 300µm, 34mm	• •

Power supply & adaptors	Type	Article number	Mould Length	Article description	
	Power Supply	10100156	Power Supply		• • • • •
	Adaptor, EU	10100157	Adaptor for power supply (10100156), EU		• • • • •
	Adaptor, UK	10100159	Adaptor for power supply (10100156), UK		• • • • •
	Adaptor, US	10100158	Adaptor for power supply (10100156), US		• • • • •
	Power supply	10100164	Power supply for MICROCOATER, EU		•

* Undercoating

Spare-/Replacement parts				AUTO COATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
Type	Article number	Article description							
Mould pins	10100070	Mould pins	•	•	•				
Mould pins extended	10100071	Mould pins extended						•	
Mould insertion tool	10100104	Mould insertion/extraction tool	•	•	•				
Fiber tensioners, STD	10100066	Fiber tensioners, AUTO-/RECOATER 2, Standard	•	•					
Fiber tensioners, 900µm	10100061	Fiber tensioners, AUTO-/RECOATER 2, 900µm	•	•					
Mandrels	10100056	Mandrels, AUTO-/RECOATER 2	•	•					
Fiber clamps, 165-330µm	10100074	Fiber clamps, MC2, 165-330µm			•	•			•
Fiber clamps, 250-500µm	10100093	Fiber clamps, MC2, 250-500µm			•	•			•
Fiber clamps, 330-900µm	10100058	Fiber clamps, MC2, 330-900µm			•	•			•

Options (ordered separately)									
Type	Article number	Article description							
Fiber tensioners (SC)	10100123	Short clamps option	•	•					
Fiber tensioners (MC)	10100122	Motor clamps option	•	•					
CV-kit for RC2/AC2	10100121	UV-led cooling option	•	•					
Dispenser robot	10100069	Automatic dispenser robot	•	•				•	
Dispenser robot XL	10100162	Automatic dispenser robot for RECOATER XL						•	