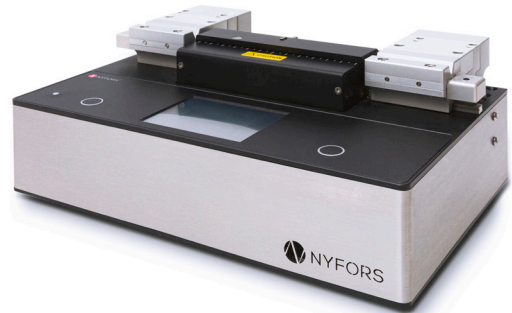# RECOATER
2 XL™

RECOATER
2 XL ™

Extended length recoater for stripped fiber lengths up to more than 100 mm

- Extended length recoating up to 100 mm
- Easy to set up for different optical fiber dimensions and recoating materials
- High and low index recoating
- No need for compressed air or vacuum

The RECOATER 2 XL™ is designed for recoating applications where the protective acrylate coating needs to be restored on long lengths of stripped fiber. It accommodates special silicone moulds that enable recoating of fiber sections up to 100 mm long.

Like the standard length moulds, they are available in different sizes to cover a wide range of coating diameters. They can also easily be exchanged by the operator with no realignment of the system being required. The highly efficient UV LED curing system enables fast processing of both standard high index and specialized low index materials used in various high power applications.

Injection of recoating material is performed manually with a syringe. While this does require a manual user operation, it also ensures flexibility because the user can immediately switch from one type of recoating compound to another (e.g. from a high index material to a low index material) without any need to flush out a recoater reservoir and injection pumping system. An optional dispenser robot can be added onto the system to handle the injection of recoating material if the syringe method is not desired.

These features make the RECOATER 2 XL™ ideal for production and research applications where long sections of stripped optical fiber of different diameters and with different coating materials needs to be recoated in a highly flexible way.

Program parameters are conveniently accessible through the built-in LCD touch screen control. The system can also be accessed via the USB port or Ethernet interface.
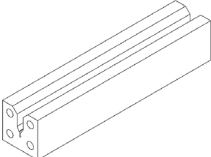
TECHNICAL DATA
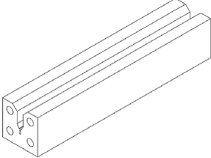
Curing time	Programmable, 3 s typical
Light source	UV LED
Wavelength	380-385 nm
Mould material	Silicone
Mould mounting	Exchangeable
Mould length	34 mm, 55 mm & 110 mm
Recoating diameter	165, 250, 300, 400, 550, 730 & 900 µm*
PC connection	Ethernet and USB flash drive connection
Power supply	External 12 V DC, 60 W
Compressed air	Not needed
Dimensions	270 mm (W) x 170 mm (D) x 98 mm (H)
Weight	3.9 kg

NYFORS part number: 10100068   * Custom moulds available.

Accessories available					AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
Mould, 34mm	Coating diameter	Article number	Mould Length	Article description						
	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	•	•	•			

34mm

Mould, 55mm	Coating diameter	Article number	Mould Length	Article description	AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
	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	•	•	•			

55mm

Mould, 110mm	Coating diameter	Article number	Mould Length	Article description	AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
	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					•	

110mm

Mould Square, 34mm	Coating diameter	Article number	Mould Length	Article description	AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
	250µm	10100013	34mm	Mould, Square, 250µm, 34mm				•		•
	300µm	10100014	34mm	Mould, Square, 300µm, 34mm				•		•

Power supply & adaptors	Type	Article number	Mould Length	Article description	AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
	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				AUTOCOATER 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)				AUTOCOATER 2	RECOATER 2	MINICOATER 2	MINICOATER 2S	RECOATER 2 XL	MICROCOATER
	Type	Article number	Article description						
	Fiber tensionsers (SC)	10100123	Short clamps option	•	•				
	Fiber tensionsers (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					•	