

SHINHO Automatic Optical Fiber Recoater



FR-100



FR-101

Feature

- ❖ High precision quartz mold, high recoating accuracy
- ❖ Automatic resin injecting process, with manual resin injecting compensation function.
- ❖ Automatic recoating, recoating length can be set.
- ❖ LED auxiliary lighting, easy to observe the resin level, easy to control the recoating process.
- ❖ Automatic cleaning function, easy to replace and add resin.
- ❖ A variety of recoating procedures are available.

Specification

Model Number		FR-100	FR-101
Applicable Fiber Count		Single fiber	
Mold Material		Quartz glass	
Recoat Diameters		195μm, 255μm, 280μm, 320μm, 450μm, 600μm, 670μm, 850μm	
Recoat Length		4 ~50mm; accuracy ±20%	
Applied UV Resin		Acrylate	
Curing Lamp		Up and down 2 directions; Irradiation position; irradiation time	
UV Light Curing Time		UV resin injecting time: 20s; Curing time: 4s ; Recoat length: 20mm; DSM950-200 (Test environment temperature: 25℃)	
Coating Program		35 modes	
Proof Program		—	40 modes
Other		LED auxiliary lighting, easy to observe the resin level. The recoating mold can be replaced by the customer	
Data Storage		2000 records in total	
Proof	Function	—	Equip
	Range	—	0.2~2.0kgf
Power Supply		Adapter: AC100~ 240 V ; 50 /60Hz ; DC11~13.5V 5A	
Dimension/Weight		250(W)*170(L)*170(H)/4.3kg	250(W)*170(L)*170(H)/4.8Kg

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Accessories

Description	Model Number	Quantities
Fiber recoater main body	FR-100/FR-101	1 pc
Mold	FR-100-MOLD-280 (Optional)	1 set
Power cord	ACC-97	1 pc
AC adapter	ADC-97	1 pc
USB manual	/	1 pc
Tools	HEX-01/02/03	1 set (M3/M2.5/M2)
Quick operation manual	FR-100-QRG-100	PDF file in USB

Optional Modes

Description	Model Number	Remarks
195μm mode	FR-100-MOLD-195	Recoat diameter: 195μm ; Recoat length: 50mm
255μm mode	FR-100-MOLD-255	Recoat diameter: 255μm ; Recoat length: 50mm
280μm mode	FR-100-MOLD-280	Recoat diameter: 280μm ; Recoat length: 50mm
320μm mode	FR-100-MOLD-320	Recoat diameter: 320μm ; Recoat length: 50mm
450μm mode	FR-100-MOLD-450	Recoat diameter: 450μm ; Recoat length: 50mm
600μm mode	FR-100-MOLD-600	Recoat diameter: 600μm ; Recoat length: 50mm
670μm mode	FR-100-MOLD-670	Recoat diameter: 670μm ; Recoat length: 50mm
850μm mode	FR-100-MOLD-850	Recoat diameter: 850μm ; Recoat length: 50mm
1000μm mode	FR-100-MOLD-1000	Recoat diameter: 1000μm ; Recoat length: 50mm
UV resin bottle	FR-100-BTL-01	UV resin bottle
Peristaltic Pump Components	FR-100-PUMP-01	Peristaltic pump ; Peristaltic pump tube ; Peristaltic pump head