

# FSR117

## Optical fibre recoater with mandrel proof tester

### FEATURES

- Range of recoat lengths from 4mm to 50mm.
- Equipped with mandrel proof tester capable of delivering up to 10kgf force.
- Easy to use - user changelabe RFID-equipped moulds allow FSR117 to select the most appropriate recoat mode.



<b>FIBRE TYPE</b>	Single-fibre
<b>FIBRE COATING DIAMETER</b>	0.09mm to 0.97mm
<b>RECOAT DIAMETER</b>	Approx. 0.195mm, Approx. 0.225mm, Approx. 0.28mm, Approx. 0.32mm, Approx. 0.45mm, Approx. 0.6mm, Approx. 0.67mm, Approx. 0.85mm and Approx. 1mm
<b>RECOAT LENGTH [1] [2]</b>	4mm to 50mm Recoat length accuracy ±20%
<b>UV-CURING RESIN [3]</b>	Japan Fine Coating Co., Ltd. 950Y200 and Luvantix AMD Ltd. PC-373LD
<b>RESIN SUPPLY SYSTEM [4]</b>	A built-in pump supplies UV curing resin to the recoat mold from a replaceable built-in bottle
<b>RESIN INJECTION TIME [2]</b>	950Y200: Approx. 4 seconds PC-373LD: Approx. 10 seconds
<b>PROOF MECHANISM</b>	Equipped with mandrel proof testing mechanism
<b>FIBRE CLAMP METHOD</b>	Mandrel clamp
<b>SETTABLE PROOF FOR RANGE</b>	0.2kgf to 10.0kgf
<b>RECOAT MODE</b>	100 modes
<b>RECOAT RESULTS</b>	5,000 recoats
<b>RECOAT TEST RESULTS</b>	5,000
<b>PROOF TEST MODE</b>	30 proof modes
<b>PROOF FORCE CALIBRATION [5]</b>	Enable
<b>DIMENSIONS</b>	252mm [W] x 175mm [D] x 169mm [H]
<b>WEIGHT</b>	5kg
<b>OPERATING TEMPERATURE</b>	10°C to 30°C
<b>OPERATING HUMIDITY</b>	0 to 95% RH non-condensing
<b>OPERATING STORAGE</b>	-40°C to 80°C
<b>OPERATING HUMIDITY</b>	0 to 95% RH non-condensing
<b>AC ADAPTER</b>	Input: AC100 to 240V, 50/60Hz, Max. 1.5A Output: Approx. DC 19V, Max. 2.1A
<b>DISPLAY</b>	4.95-inch colour TFT touch screen
<b>INTERFACE</b>	PC: USB 2.0 Mini B type Earth Terminal: M3 size truss screw
<b>WIRELESS COMMUNICATION</b>	RFID: Compliant with ISO 15693
<b>MOULD</b>	Recoat length stabilising mechanism, alignable clamp position according to fibre eccentricity between coating centre and clad centre, replaceable by user, illuminates the flowing UV curing resin on the groove to advance resin visibility, RFID tab identifies the type of recoat mould.
<b>PC SOFTWARE</b>	Recoater firmware update via the internet, parameter upload and download.

#### NOTES

[1] The recoat length may not achieve to the setting value, depending on the combination of recoat diameter and fibre coating diameter, ambient temperature, etc. [2] Test condition - (1) UV recoat Resin: Japan Fine Coatings Co., Ltd. 950Y200 or Luvantix ADM Ltd. PC-373LD (2) Recoat diameter: 0.28mm (3) Recoat length: 20mm (4) Fibre: Clad diameter 0.125mm/ transparent UV 0.25mm coating diameter, coating stripping length 16mm (5) Environment condition: 25°C [3] Purchase the UV curing resin from UV curing resin local distributors. Fujikura doesn't sell UV-curing resin. [4] Ask the distributor to replace the built-in pump. [5] FGA-02 and specified force gauge, FGP-20 manufactured by Nidec-Shimpo Co., Ltd. are necessary.