

# DATA SHEET

## FSR115 Optical fibre recoater

**F** Fujikura

### FEATURES

- Range of recoat lengths from 4mm to 50mm
- New pumping mechanism with a faster cycle time compared to previous model.
- Ease of use thanks to colour TFT touch screen and user exchangeable RFID-equipped moulds which select the most appropriate recoat modes.



APPLICABLE OPTICAL FIBRE	Single-fibre
APPLICABLE FIBRE COATING DIAMETER	0.09mm to 0.97mm
RECOAT DIAMETER	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
RECOAT LENGTH [1] [2]	4mm to 50mm [1] Recoat length accuracy $\pm 20\%$ [2]
UV CURING RESIN [3]	Japan Fine Coating Co., Ltd. 950Y200 and Luvantix AMD Ltd. PC-373LD [3]
UV CURING RESIN SUPPLY SYSTEM [4]	A built-in pump supplies UV curing resin to the recoat mould from a replaceable built-in bottle [4]
UV CURING RESIN INJECTION TIME [2]	950Y200: Approx. 4 seconds [2] PC-373LD: Approx. 10 seconds [2]
DIMENSIONS	25mm2 [W] x 135mm [D] x 169mm [H]
WEIGHT	3.3kg
OPERATING TEMPERATURE	10°C to 30°C
OPERATING HUMIDITY	0 to 95% RH non-condensing
OPERATING STORAGE	-40°C to 80°C
AC ADAPTER	Input: AC100 to 240V, 50/60Hz, Max. 1.5A Output: Approx. DC 19V, Max. 2.1A
DISPLAY	4.95-inch colour TFT touch screen
INTERFACE	PC: USB 2.0 Mini B type Earth Terminal: Applicable by M3 size truss screw
WIRELESS COMMUNICATION	RFID: Compliant with ISO 15693
RECOAT MODE	100 recoat modes
RECOAT RESULTS	5,000 recoats
MOULD	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.
PC SOFTWARE	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.