



FSR-05



FSR-06



FSR-07

Fujikura FSR-05/06/07 Fibre Recoaters

Fujikura's new series of fibre recoaters offer a host of innovative technology to address the rapidly expanding specialty fibre market for factory, manufacturing, laboratory and R&D applications. The introduction of user replaceable moulds, pump and resin bottle allows for the recoating of different fibre diameters, coating parameters and colours, making the FSR recoaters adaptable to multiple applications with ease.

All three models offer fibre recoating capabilities up to 1000 μm , while the FSR-06 and FSR-07 also perform proof testing up to 10 kg, providing a definitive test of reliability and tension to failure.

Features

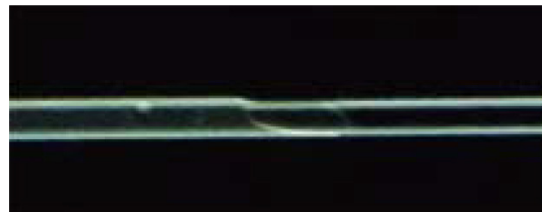
- Fully-automated, easy operation
- Easy to change moulds and recoat materials
- Programmable resin injection quantity
- Coloured and non-coloured fibre recoating capability
- PC interface with USB
- Easy-to-exchange moulds for all common coating sizes (195 μm , 255 μm , 280 μm , 450 μm , 670 μm and 1000 μm)
- Compatible with special recoating compound to provide higher stiffness recoating of 900 μm jacketed fibres

Recoated Fibre Over Coated with 280 Mould

Coloured Jacket



Non-coloured Jacket



Fujikura FSR-05/06/07 Fibre Recoaters



FSR-05

Features of the FSR05

- Provides recoating capabilities without in-built proof testing functionality
- Appropriate for manufactures that don't require constant proof testing after each recoat



FSR-06

Features of the FSR06

- Provides recoating and an in-built proof tester via a linear clamping system
- Appropriate for devices for which conformation of reliability is required



FSR-07

Features of the FSR07

- Provides recoating and an in-built mandrel proof testing system
- Appropriate not only for recoating, also provides accurate proof testing and tension testing to failure

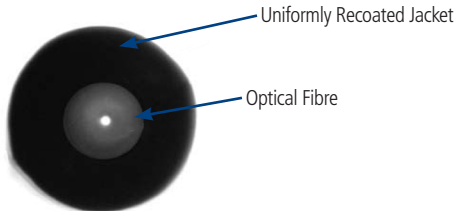
Recoater Features

MODEL	JACKET CLAMP METHOD	TENSION
FSR05	–	–
FSR06	Linear clamp	0.5kgf ~ 2.0kgf
FSR07	Mandrel	0.5kgf ~ 10.0kgf

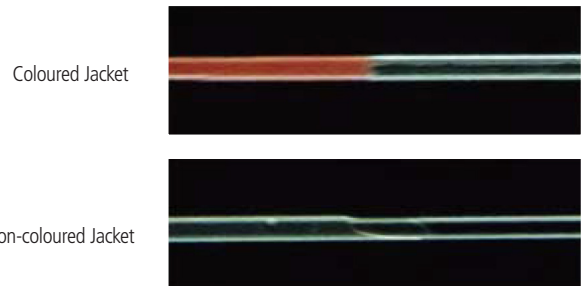
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High-quality shape recoats with high-precision quartz moulds

Cross Section of Fibre



Recoated Fibre Over Coated with 280 Mould

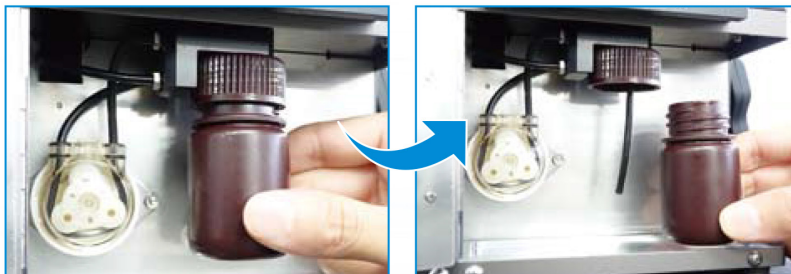


Mould Exchange

- Easy mould, resin and pump exchange
- Factory installation is not required
- Easy replacement moulds



Bubble Separator Performance



Resin and pump exchange



Spare Pump for quick change of UV resin type

Fujikura FSR-05/06/07 Fibre Recoaters

Specifications

DESCRIPTION	FSR-05	FSR-06	FSR-07T
Applicable Optical Fibre	Single fibre		
Applicable Fibre Coating	Coloured and non-coloured		
Recoating Diameter	195 µm, 255 µm, 280 µm, 450 µm, 670 µm, 1000 µm. Custom sizes are available		
Recoating Length	4 to 50 mm		
Recoating Time	Injection 20 sec / Curing 4 sec (Jacket diameter 250 µm with 280 µm MOULD)		
Resin Injection	Volume and speed are programmable.		
Recoat Material	UV curable Acrylate Recommended specification for other viscosity 2000-6000 cps curing wavelength 365+ / -15 nm DSM Desotech DesoLite® 950-200 recommended.		
Material of Mould	Quartz		
Recoat Modes	100 modes. All variables programmable		
Proof-Test Modes	–	30 modes. Speed, force, time programmable.	
Load Application	–	Flat clamp	Linear Mandrel
Tension	–	0.5 ~ 2.0 kgf	0.5 ~ 10.0 kgf
Dimensions	252 mm (W) x 135 mm (D) x 169 mm (H)	252 mm (W) x 175 mm (D) x 169 mm (H)	
Weight	2.9 kg	4.3 kg	4.5 kg
Power Source	AC 100 to 240 V / 50 to 60 Hz (External AC adaptor ADC-19)		
LCD Monitor	4.7 inch, Tilt angle		
PC Interface	USB 2.0 Type B mini		
Operating Condition	10 to 30°C, 0 to 90% (non dew)		
Storage Condition	-40 to 60°C (non dew, no resin)		

Standard Items

DESCRIPTION	PART NUMBER	FSR-05	FSR-06	FSR-07
Recoater Main Body	FUJFSR05	1 pc	–	–
	FUJFSR06	–	1 pc	–
	FUJFSR07	–	–	1 pc
AC Adapter	FUJFSM-ADC19		1 pc	
AC Cord	FUJFSM-ACC05		1 pc	
USB Cable	–		1 pc	
Warning and Cautions	–		1 pc	
Instruction Manual	–		1 pc	
Recoating Report	–		1 pc	



Fujikura FSR-05/06/07 Fibre Recoaters

Ordering Information

PART NUMBER	DESCRIPTION
FUJFSR05	FSR-05 Fibre Recoater comes with: 280 µm mould, ADC-10 AC Adapter, AC Cord, fibre protection cover and operation manual.
FUJFSR06	FSR-06 Fibre Recoater comes with: 280 µm mould, 2 KN Proof Tester, ADC-10 AC Adapter, AC Cord, fibre protection cover and operation manual.
FUJFSR07	FSR-07 Fibre Recoater comes with: 280 µm mould, 10 KN Proof Tester, ADC-10 AC Adapter, AC Cord, fibre protection cover and operation manual.

Accessories

PART NUMBER	DESCRIPTION
FUJFSR-02MOLD-xxx	Mould for recoating xxx µm coated fibre
FUJFSR-ACC-PUMP	Pump Head
FUJFSR-ACC-RESINBTL	UV Resin Bottle
FUJFSR-ACC-TUBE	Pump Assembly Tube
FUJFSR-02FGA01	Force Gauge Mounting

