



**FSR-06**



**FSR-07**

**FSR-05**



## Optical Fiber Recoaters

# FSR-05/FSR-06/FSR-07



- High quality shape of recoating
- Automated easy operation
- Colored and non-colored fiber recoating capability
- Various sizes of mold are available  
(195 μm, 255 μm, 280 μm, 450 μm, 670 μm, 1000 μm)
- Easy mold, resin, and pump exchange
- New bubble catching system removes potentially trapped bubbles before the mold
- Programmable resin injection quantities
- Compatible with special recoating resins to provide higher stiffness recoating of 900 μm jacketed fibers.
- Selectable proof-tester
- PC interface with USB

Specifications and descriptions are subject to change without prior notice.

überreicht durch:



Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5  
D-22941 Bargtheide

Tel. +49(0)4532-20 44-0  
Fax +49(0)4532-20 44-25

E-Mail: [info@opternus.de](mailto:info@opternus.de) - [www.opternus.de](http://www.opternus.de) - [www.opternus-shop.de](http://www.opternus-shop.de)

Büro Süd:

Katharinenstr. 57  
D-73728 Esslingen

Tel. +49(0)711-3 10 59 99-0  
Fax +49(0)711-3 10 59 99-9



# FSR-05

FSR-05 is a model which has recoating only without a proof tester.

This model is appropriate for manufactures that don't require constant proof testing after each recoat.

# FSR-06

FSR-06 is a model which has a recoater and proof tester with a linear clamping system. This model is appropriate for devices which conformation of reliability is required.



# FSR-07

The FSR-07 has a recoater and mandrel proof testing.

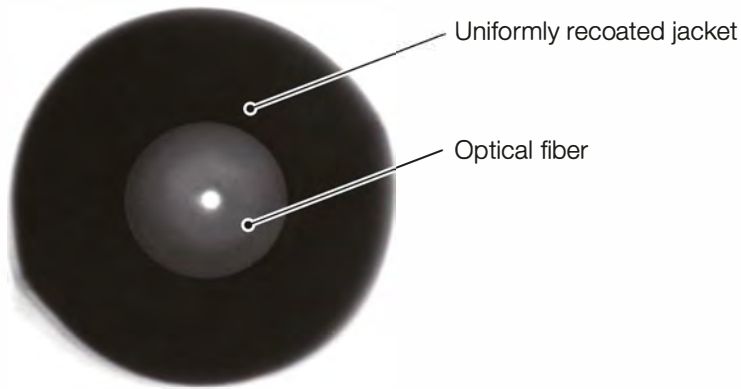
This model is appropriate not only for recoating but also reliability proof testing as well as tension testing to failure.

## FSR-05/FSR-06/FSR-07 Features

MODEL	Recoat	Proof tester	
		Jacket Clamp Method	Tension
FSR-05	✓	—	—
FSR-06	✓	Linear clamp	0.5 kgf ~ 2.0 kgf
FSR-07	✓	Mandrel	0.5 kgf ~ 10.0 kgf

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# High quality shape recoats with high-precision quartz molds

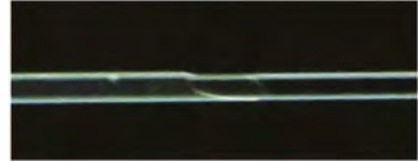


Cross section of fiber

Colored jacket



Non-colored jacket

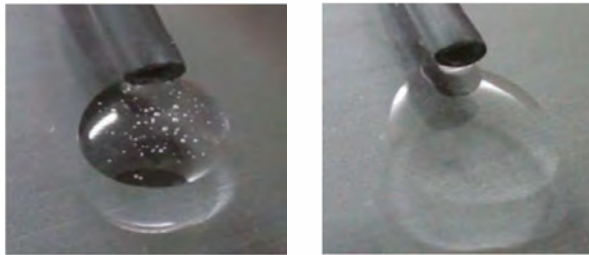


Recoated fiber over coated with 280 mold



Mold exchange

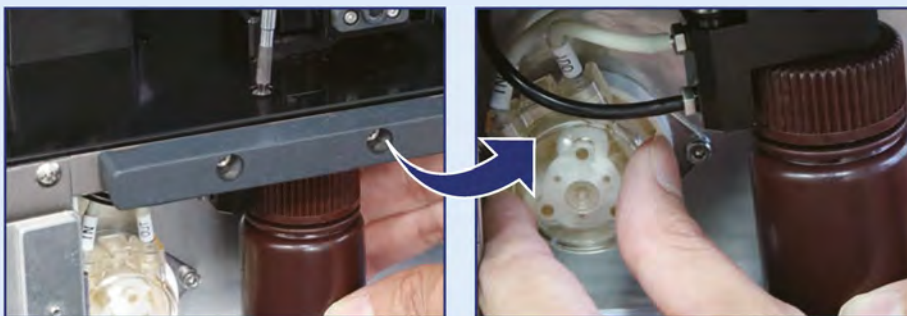
Easy mold, resin, and pump exchange.  
 Factory installation is not required.  
 Easy replacement the molds by operators.



Bubble Separator Performance



Bubble Separator



resin and pump exchange

Spare Pump for quickly changing UV resin type : FSR-05-pump-01



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# Fujikura FSR-05/FSR-06/FSR-07

## SPECIFICATIONS

Description	FSR-05	FSR-06	FSR-07
Applicable optical fiber	Single fiber		
Applicable fiber coating	Colored and non-colored		
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 MOLD)		
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 mold	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)	
Wight	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

Name	Model	FSR-05	FSR-06	FSR-07
Main body	FSR-05	1pc	–	–
	FSR-06	–	1pc	–
	FSR-07	–	–	1pc
Mold	FSR-05-MOLD-***	Select 1 size from table on this page.		
AC adaptor	ADC-19	1pc		
AC power cord	ACC-xx	1pc		
USB cable	USB-01	1pc		
Instruction manual	M-FSR05	1pc		
Recoating Report	–	1pc		
Warning and Cautions	W-FSR05-E	1pc		
Fiber protect cover	PC-02	–	1pc	–
	PC-03	–	–	1pc
Tube set	FSR-05-TUBE-01	1set		
Quick Reference Guide (Pump)	QP-FSR05-E	1pc		

## OPTIONAL ITEMS

Item	Model
MOLD for 280 µm	FSR-05-MOLD-280
MOLD for 195 µm	FSR-05-MOLD-195
MOLD for 255 µm	FSR-05-MOLD-255
MOLD for 320 µm	FSR-05-MOLD-320
MOLD for 450 µm	FSR-05-MOLD-450
MOLD for 670 µm	FSR-05-MOLD-670
MOLD for 1000 µm	FSR-05-MOLD-1000
UV Resin Bottle	FSR-05-BTL-01
Spare Pump for quickly changing UV resin type	FSR-05-PUMP-01
Force gauge adaptor (For FSR-06 / FSR-07)	FGA-02
Force gauge (for FSR-06 / FSR-07)	FGP-10 FSR-FGP-20

## STANDARD PACKAGE



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