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New pump design provides shorter UV resin injection time
Improved recoat length and fibre centring repeatability
Easy user exchangeable mould, inserts and shims for precise concentricity in any application
RFID technology – recoat mode suggestion capability



Overview

Features

Our high-quality optical fibre recoaters are used to recoat the primary coating of an optical fibre. They are commonly used in applications requiring flexible packaging requirements, high strength and high reliability splices, softer coatings for gyroscope splices, low-index coatings for power delivery and more.

Our recoaters improve on their respective predecessors in numerous ways. The time to inject recoat material has been reduced by over 50% due to an improved pumping mechanism and new glass mould design. While still utilizing quartz glass, the new mould design improves both pump time and recoat length accuracy, especially for longer recoats, by improving the flow rate of material across the entire mould. The mould also features a unique RFID capability, enabling the FSR to automatically limit selectable recoat modes in the UI, based on mould size installed and recoat mode parameters.

Like its predecessor, the FSR-116 comes with a linear proof tester up to 2 kgf or proof to failure for most fibres.

Application

Our optical fibre recoaters benefits a variety of specialty fibre optic industries including:

- Universities
- Optical R&D
- High power laser
- Photonics
- Medical applications

