

AutoCoater



The automatic recoater with the markets lowest cost per recoating

- Fully automatic
- High recoating quality
- Fast
- Handles most diameters
- Easy mould replacement
- Easy handling
- Automatic Tensile Strength Tester

The *AutoCoater* is used to protect splices of acrylate coated optical fibers. The emphasis is on high productivity low cost per recoating and operator independence in factory environments. The *AutoCoater* is designed for High Strength applications.

The mould can be exchanged in seconds; no alignment is required after exchanging the mould. The fiber will be automatically centered when inserted into the mould. Moulds are available in different sizes to cover a range of coating diameters and can be made to customer specification. The mould can typically be used more than 50 times*.

A specially designed halogen lamp is used as light source. The lamp is moveable and scans the portion to

be cured. The spot of the lamp is about 6 mm. Any 6 mm length will be cured in about 10 to 20 s depending on the properties of the resin.

The acrylate is cured through the walls of the transparent mould. The typical curing time is 15 to 60 s depending on the resin properties and the length of the recoated part.

The automatic tensile strength tester works for forces up to 20 N.

The level of strength, pulling rate and time at the maximum force can be preset.

The linear clamps are carefully designed so that the primary coating is not flattened. Two adjustable clamping forces are available. The strongest force will only be applied during the tensile strength test. The standard clamp is designed for coa-

ting diameters of 250 to 900 μm . No adjustments need to be made to the clamps or the *AutoCoater* when changing the recoating diameter within this range. The clamps contain an insert that can be exchanged in seconds if a different coating diameter is required.

No adjustments will be necessary.

* 25 times per injection point

Technical Data

Mould length	40 mm
Curing time	1 – 120 s
Tensile test	1 – 20 N
Resolution	0.1 N
Pulling speed	10 – 100 mm/min
Power Supply	External 12 V DC
Dimensions	320 (W) x 200 (D) x 120 (H) mm
Weight	3.5 Kg

Included 10 Moulds 250 μm
Power Supply
Users Manual