



Features

- Fully automatic, handling a range of fiber diameters
- High recoating quality
- Easy mold replacement
- Automatic tensile strength tester
- Includes ten 250µm molds, power supply and owners manual

Specifications

PARAMETER	VALUE
Mold Length	34mm
Curing Time	15 - 120 sec
Curing Wavelength	>360 nm
Total Cycle Time	Typical 35 sec
Injection Quantity	0.1-35 ul/recoat
Hold Time	0-60 sec
Tensile Test	1 - 20N
Resolution	0.1N
Pulling Speed	10-200mm/min
Power Supply	External 12V DC
Dimensions	320mm(W) x 200mm(D) x 120mm(H)
Weight	3.5kg
Compressed Air Supply	External compressor (not included), 5-7 bar, 4mm instant push-in fitting

AutoCoater

Designed for high strength applications, the AutoCoater protects splices of acrylate-coated optical fibers. With high productivity and low cost advantages, the AutoCoater is fully automatic, allowing for operator independence in factory environments.

The AutoCoater automatically centers fibers when inserted into the mold. The mold can be exchanged in seconds with no realignment required. Available in different sizes to cover a range of coating diameters, molds can be customized and used more than 50 times (25 times per injection point).

The AutoCoater consists of a custom-designed, adjustable halogen lamp which scans the portion of the fiber to be cured. A 6mm length will be cured in about 10 to 20 seconds depending on the properties of the resin. The acrylate is cured through the walls of the transparent mold with a typical curing time of 15 to 60 seconds depending on the resin properties and the length of the recoated part.

The automatic tensile strength tester supports forces up to 20N with presets for the level of strength, pulling rate and time at maximum force. Linear clamps are carefully designed so that the primary coating is not flattened. Two adjustable clamping forces are available and the strongest force is only applied during the tensile strength test. The standard clamp is designed for coating diameters of 250 to 900µm. When changing the recoating diameter, adjustments are not needed within this range for the clamps or the AutoCoater. The clamps contain an insert that can be exchanged in seconds if a different coating diameter is required.

Ordering Information

DESCRIPTION	AFL NO.
AutoCoater w/ Power Supply and Cord, 250µm Molds (10 pieces), Spare Lamp (Includes: 250µm Molds (10), Linear clamp insert (250-400µm), Standard Mold Clamp, manual and tools)	40000000-US

Accessories

DESCRIPTION	AFL NO.
Mold Options	
Mold, AutoC, 250µm, 34mm (10 pieces)	40250034
Mold, AutoC, 300µm, 34mm (10 pieces)	40300034
Mold, AutoC, 400µm, 34mm (10 pieces)	40400034
Mold (T), AutoC, 900µm, 34mm (10 pieces)	40900034
Miscellaneous	
Linear Clamp Insert, AutoC, 900µm	40900100
Linear Clamp Insert 160µm, AutoCoater (does not center fiber in 250µm mold)	40010160
Mold Clamp, Standard, AutoCoater	40000100
Mold Clamp, T-type, AutoCoater	40000200
Power Cord, US	11000001
Power Supply, 90-240V 100W	11090240
UV-Lamp, 12V 75W	21012075

