



Features

- High recoating quality
- High strength
- Handles most diameters
- Easy mold replacement
- Tensile strength tester up to 50N
- Includes ten 250µm molds, power supply and users manual

Specifications

PARAMETER	VALUE
Mold Length	34mm
Curing Time	15 - 120 sec
Curing Wave-length	>360 nm
Tensile Test	2 - 50N
Hold Time	0-60 sec
Resolution	0.1N
Pulling Speed	10-100 mm/min
Power Supply	External 12V DC
Dimensions	280mm(W) x 200mm(D) x 120mm(H)
Weight	3.5kg

Recoater 1

The Recoater 1 restores the primary coating on spliced optical fibers with acrylate coatings. Fiber is automatically centered when it is inserted into the mold. Due to the mold design, the restored part of the coating retains almost the same diameter as the original coating.

The mold can be exchanged in seconds with no alignment required after exchange. Molds for various sizes of coating diameters are available and can also be customized. The mold can typically be used for more than 30 to 80 recoatings depending on the type of acrylate and handling.

The mold holder keeps the mold in line with primary capstans, or if mounted, the linear clamps to the left and right of the mold. To facilitate the insertion of the fiber and resin, the mold can be opened with the aid of a lever. The resin is cured through the walls of the transparent mold with a typical curing time of 15 to 60 seconds depending on the type of resin and the length of the recoated part.

The automatic tensile strength tester can be used for forces up to 50N. The level of strength, pulling rate and time at the maximum force can be preset. If only short fibers are available, the linear clamps are used. Tensile strength tests up to 10N can be made with the clamps.

Ordering Information

DESCRIPTION	AFL NO.
Recoater 1 with Power Supply & Cord, 250µm Molds (10 pieces), Spare Lamp (Includes: 250µm Molds (10), manual and tools)	20000000-US

Accessories

DESCRIPTION	AFL NO.
Mold Options	
Mold, Recoater 1, MiniC, 245µm, 34mm (10 pieces)	10245034
Mold, Recoater 1, MiniC, 250µm, 20mm (10 pieces)	10250020
Mold, Recoater 1, MiniC, 250µm, 34mm (10 pieces)	10250034
Mold, Recoater 1, MiniC, 260µm, 34mm (10 pieces)	10260034
Mold, Recoater 1, MiniC, 310µm, 34mm (10 pieces)	10310034
Mold, Recoater 1, MiniC, 400µm, 34mm (10 pieces)	10400034
Mold, Recoater 1, MiniC, 900µm, 34mm (10 pieces)	10900034
Clamp Options	
Linear Clamp, Rec. 1, 250-400µm	20000100
Linear Clamp, Rec. 1, 900µm	20000200
Miscellaneous	
Power Cord, US	11000001
Power Supply, 90-240V 100W	11090240
UV-Lamp, 12V 75W	21012075

