

AutoPrep II

High speed fiber preparation system for production environments



The fully automated, high-speed fiber preparation unit AutoPrep II™ strips, cleans and cleaves a fiber in less than 15 seconds. It is designed primarily for industrial applications, where accuracy, reliability and a high production yield are required.

The AutoPrep II™ is used for fast and chemical free fiber preparation of acrylate-based fiber coatings and meets the highest industrial requirements of fast and consistent fiber preparation with extreme cleanliness and high fiber strength. Optimal cleaves are generated by a highly advanced and patent pending cleaving process.

It has a user friendly design. Guided fiber holders easily place the fibers in the correct position and a "One Touch" go button starts the automatic preparation process.

A controlled hot air flow instantly vaporizes the coating of the fiber. The result is a perfectly stripped and clean fiber. The stripped area is free of debris when viewed at 400x magnification and the strength is typically >30 N (355 kpsi)*. The cleaver produces typical cleave angles of less than 0.5 degrees.

To ensure high quality and repeatability, all processes of stripping, cleaning and cleaving are controlled by the built-in micro-processor.

The AutoPrep II™ is adapted for stand-alone use and is compatible with all leading fusion splicers, using optional adaptors.

| TECHNICAL DATA | |
|-----------------------|--|
| Cladding diameter | 80-125 µm |
| Coating diameter | 160-400 µm |
| Fiber strength | Typical > 30 N on 125 µm fiber (355 kpsi)* |
| Fiber cleanliness | Free of debris at 400x magnification |
| Cleave angle | Typical < 0.5 degrees |
| Cycle time | Typical < 15 seconds |
| Power supply | 115 or 230 V AC (50/60 Hz) |
| Compressed air supply | External compressor**, 6 bar, 8 mm instant push-in fitting |
| PC Interface | RS-232 |
| Dimensions | 320 mm (W) x 310 mm (D) x 200 mm (H) |
| Weight | 12 kg |

NYFORS part number: 80000000

Included in delivery: AutoPrep II™ unit, PC Software, RS-232-cable, Manual and Tools.

* Typical, depending on set up, HS splicing is necessary.

**Not included in the delivery.