

AUTOCLEAVER

LDF™

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High precision large diameter fiber cleaver

- Fully automatic
- Large diameter fiber capability (230 to 1000µm)
- Low cleave angles < 0.5 degrees
- Designed for production and laboratory environments
- Operator skill independent and easy to use
- Automatic waste fiber collection
- Long-lasting diamond blade



This fully automated optical fiber cleaver is designed for fast and flexible large diameter fiber processing in factory and laboratory environments. Easily interchangeable fiber handling parts enable high precision cleaving of different circular fibers in the range from 230 µm up to 1000 µm cladding diameter with industry leading repeatability and consistency.

Loading and operating the AUTOCLEAVER LDF™ is conveniently done in a few simple steps. The automated cleaving process gives a cycle time of less than ten seconds with full operator skill independence. The platform supports fiber holders from the leading splicer manufacturers so that the cleaved fiber can directly be transferred to the splicer with no risk of accidentally touching or damaging the bare fiber.

This makes the AUTOCLEAVER LDF™ ideally suited for demanding production applications where high precision cleaving of the largest fiber diameters is required. It comes in a small ergonomic bench top design and the open interface facilitates integration into automated production systems.

The cleaver is designed to generate a minimum amount of fiber waste, typically less than 20 mm. An automatic waste disposal system removes any hazardous fiber scraps. The cleaver can be connected to an external PC that gives access to all programmable parameters and settings.



TECHNICAL DATA

Cladding diameter	230-1000µm
Coating diameter	250-1500µm
Cleave angle	Typical < 0.5 degrees
Fiber waste length	Typical < 20mm, automatic disposal
Power supply	External 12 V DC, 15 W
Compressed air supply	External compressor, 6-8 bar, 4 mm instant push-in fitting
PC Interface	RS-232
Dimensions	175 mm (W) x 138 mm (D) x 104 mm (H)
Weight	2.5 kg

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