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# AUTOCLEAVER™

## Description

The AUTOCLEAVER™ is a fully automatic, ultra high-precision fiber cleaver with a typical cleave angle of less than 0.3 degrees. It is designed for industrial applications where high accuracy, reliability and a high production yield are required.

A built-in microprocessor controls all parameters and settings such as fiber positioning, clamping, fiber tension and the exact position and speed of the diamond blade. The result is a perfect cleave every time.

The AUTOCLEAVER™ has a long-lasting diamond blade and it produces typically more than 30,000 cleaves per blade. The cleaver can be connected to a PC that gives access to all programmable parameters and settings.

The AUTOCLEAVER™ uses interchangeable adaptors to fit commercially available fusion splicers. The adapter is easily adjustable to the desired cleaving length. The automatic fiber waste disposal system removes any hazardous fiber scraps.

The AUTOCLEAVER™ comes in a small bench top design.

## Technical data

Cladding diameter	80-230µm*
Coating diameter	160-900µm*

## Short facts

- Fully automatic
- Low cleave angles < 0.3 degrees
- Very flat end faces
- Operator independent
- Designed for production and laboratory environments
- Automatic fiber waste collection
- Long-lasting diamond
- PC controllable

[Download product sheet](#)

## Automatic fiber cleaving

- ANGLE CLEAVING UNIT™
- AUTOCLEAVER LDA™
- AUTOCLEAVER LDF-M™
- AUTOCLEAVER LDF™
- AUTOCLEAVER S1™
- AUTOCLEAVER S2™
- AUTOCLEAVER™



Cleave angle	Typical < 0.3 degrees
No of cleaves/blade	> 30 000
Fiber waste length	Typical < 20mm, automatic disposal
Power supply**	External 12 V DC, 15 W
Compressed air supply	External compressor**, 6 Bar, 4 mm instant push-in fitting
PC Interface	RS-232
Dimensions	175 mm (W) x 138 mm (D) x 104 mm (H)
Weight	1.4 kg

NYFORS part number: 50100015

Included in delivery: AUTOCLEAVER™ unit, Height adjuster for 125-159 µm, V-groove for 125-199 µm, PC software, RS-232 cable, Manual and Tools.

\* Fiber specific handling kits required. See the Selection Guide Matrix for more information. Fiber Holder from splicer manufacturer may limit max cleavable cladding diameter.

\*\* Not included in the delivery.

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