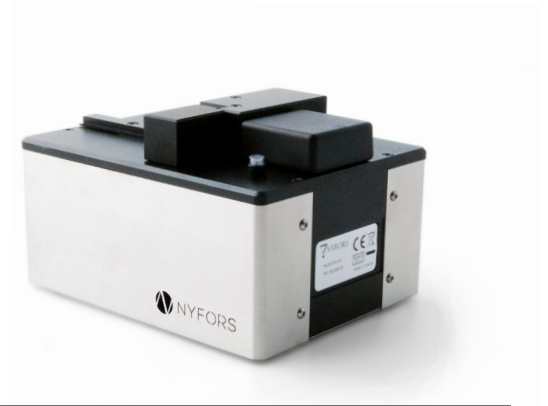


# AUTOCLEAVER S1™

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Automatic cleaver for precise bare fiber length control

- Fully automatic
- Provides close control of bare fiber length after cleaving
- Low cleave angles < 0.30 degrees
- Designed for production and laboratory environments
- Operator skill independent and easy to use
- Automatic waste fiber collection
- Long-lasting diamond blade



This ultra high precision cleaver is specially designed for production applications where close control of bare fiber length after cleaving is required. It senses the edge of the coating and automatically adjusts the cleave point to meet a specific bare fiber length with high precision. This length is specified by the customer at order and can be fine tune by software between 0 and 500  $\mu\text{m}$ .

A close control of sensitive cleaving parameters such as tension and exact speed and position of the diamond blade ensures consistent cleaving results with cleave angles typically below 0.3 degrees.

Regarding cleave length, our tests indicate that a standard deviation of less than 0.01 mm can be accomplished when cleaving 125  $\mu\text{m}$  cladded fiber to 3.4 mm bare fiber length, provided that the stripping interfaces have sufficient quality.

The AUTOCLEAVER S1™ comes in an ergonomic bench top design and is available in different versions for 80  $\mu\text{m}$  and 125  $\mu\text{m}$  fibers. For more information about available configurations, please contact us with details about your application and requirements.



## TECHNICAL DATA

Cladding diameter	80 and 125 $\mu\text{m}$
Coating diameter	160-400 $\mu\text{m}$
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 numbers: 125  $\mu\text{m}$  version: 50100028, 80  $\mu\text{m}$ : 50100029