

AUTOCLEAVER S2™

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Speciality fiber cleaver

- Adjustable clamping force
- Designed for cleaving of sensitive specialty fibers in production and laboratory environments
- Standard and large diameter fiber capability
- Automatic waste fiber collection
- Long-lasting diamond blade



The AUTOCLEAVER S2™ is an automatic system for precision cleaving of sensitive air-clad and microstructured fiber. It has a specially designed clamping system with air pressure controlled force regulation that enables it to clamp and hold also brittle specialty fibers that might otherwise be damaged during cleaving.

It is available with two different sizes of clamping cylinders for standard and medium sized fibers (80-600 µm) and large diameter fibers (230-1000) µm respectively. The clamping pressure can be set by changing the air pressure with built in regulators.

This, in combination with close control of sensitive cleaving parameters, such as tension and the exact position and speed of the diamond blade, ensures consistent high quality results also on difficult to cleave specialty fibers. The AUTOCLEAVER S2™ is therefore ideally suited for demanding production applications where sensitive handling of various specialty fibers is required.

It comes in a small ergonomic bench top design for comfortable use on a production or laboratory work bench.



TECHNICAL DATA

Cladding diameter	80-600/230-1000 µm
Coating diameter	165-1500 µm
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

NYFORS part number: 50100030-31 (with small cylinder) and 50100092-93 (with large cylinder).