

## AutoCleaver S1-80 $\mu\text{m}$ / S1-125 $\mu\text{m}$

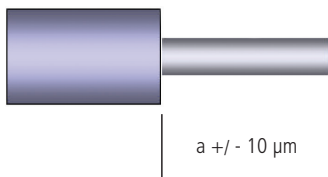
When a specific and accurate bare fiber length is required, the AutoCleaver S1 provides the perfect cleave every time. Sensing the edge of the coating and adjusting the bare fiber length according to the customers' specifications, the AutoCleaver S1 cleaves 80  $\mu\text{m}$  and 125  $\mu\text{m}$  fibers automatically. Cleave angles are typically under 0.3° with excellent end face quality.

A built-in microprocessor controls all the vital parameters and settings such as fiber positioning, clamping, fiber tension and the exact position and speed of the diamond blade. The cleaver can be connected to an external PC, enabling access to all programmable parameters and settings.

The AutoCleaver S1 is available in a small bench top design, workbench-mountable or ready to be integrated into different sub-systems. At the time of order, the desired cleave length must be specified. The minimum cleave length possible is 3 mm and the maximum is 6.5 mm. The bare fiber length can be fine-tuned by software between 0 and 500  $\mu\text{m}$ .

### Features

- Fully automatic
- Low cleave angles of < 0.3°
- Very flat end faces
- Operator independent
- Designed for production environment
- Waste fiber deposition
- Long diamond life
- Available for 80 or 125  $\mu\text{m}$  fibers
- PC controllable



### Specifications

PARAMETER	VALUE
Fiber Cladding	80 - 125 $\mu\text{m}$ *
Fiber Coating	160 - 400 $\mu\text{m}$ *
Cleave Angle	Typical < 0.3°
Cycle Time	Typical < 14 seconds
Cladding diameter	80 and 125 $\mu\text{m}$
# of Cleave/Blade	> 30,000
Fiber Waste	Typical < 20 mm
Power Supply	External 12V DC
Compressed Air	External Compressor**, 6 bar 4 mm instant push-in fitting
PC connection	RS-232
Dimensions	175 mm (W) x 138 mm (D) x 104 mm (H)
Weight	1.4 kg

\* Fiber specific handling kits required

\*\* Not included in delivery

### Ordering Information

DESCRIPTION	AFL NO.
AutoCleaver S1-80 $\mu\text{m}$ with Power Supply and Cord (Includes: V-groove & Height Adjuster, Adaptor Plate, PC software, manual and tools)	50100029
AutoCleaver S1-125 $\mu\text{m}$ with Power Supply and Cord (Includes: V-groove & Height Adjuster, Adaptor Plate, PC software, manual and tools)	50100028

### Accessories

DESCRIPTION	AFL NO.
Adaptor Plate FJK, AC STD	50100010
Adaptor Plate NYF/ECA, AC STD	50000030
V-groove, STD, Cla. 80 $\mu\text{m}$	50100089
V-groove, STD, Cla. 125-199 $\mu\text{m}$	50100085
Height Adj. STD, Cla. 80 $\mu\text{m}$	50100052
Height Adj. STD Cla. 125-159 $\mu\text{m}$	50100046
Diamond blade	50100091
Cleaver Blade Replacement Tool	50100032
Power Supply, 100-240V, 1.25 A	50100075
Adapter for Power Supply, US	50100009