

# AutoClever

Automatic fiber cleaver for production environments



- 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



The AutoClever™ 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 AutoClever™ 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 AutoClever™ 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 AutoClever™ comes in a small bench top design.

| TECHNICAL DATA        |  |
|-----------------------|--|
| Cycle time            | Typical < 12 seconds                                       |
| Cladding diameter     | 80-230 µm*   |
| Coating diameter      | 160-900 µm   |
| Cleave angle          | Typical < 0.3 degrees                                      |
| No of cleaves/blade   | > 30,000   |
| Fiber waste length    | Typical < 20 mm, automatic disposal                        |
| Power supply**        | External 12 V DC, 15W                                      |
| 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: AutoClever™ 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.

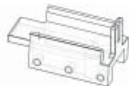
# Selection Guide Matrix – AutoCleaver™

Select items depending on fiber cladding diameter. Select adaptor plate for the type of splicer used.

## ARTICLE

| V-Groove  | Cladding diameter (µm) | Article number | Article Description           | Label  |
|---|------------------------|----------------|-------------------------------|--------|
|  | 80                     | 50100089       | V-Groove, STD, Cla 80 µm      | Blue   |
|   | 125-199                | 50100085       | V-Groove, STD, Cla 125-199 µm | Yellow |
|   | 200-349                | 50100086       | V-Groove, LD, Cla 200-49 µm   | Orange |

| Height Adjuster   | Cladding diameter (µm) | Article number | Article Description             | Label      |
|---|------------------------|----------------|---------------------------------|------------|
|  | 80                     | 50100052       | Height Adj. STD, Cla 80 µm      | Blue       |
|   | 125-159                | 50100046       | Height Adj. STD, Cla 125-159 µm | Yellow     |
|   | 160-199                | 50100047       | Height Adj. STD, Cla 160-199 µm | Blank/Grey |
|   | 200-349                | 50100048       | Height Adj. LD, Cla 200-349 µm  | Orange     |

| Adaptor Plate   | Type            | Article number | Article Description                     |  |
|---|-----------------|----------------|---|--|
|  | Fujikura        | 50100010       | Adaptor plate FJK, AC STD               |  |
|   | NYFORS/Ericsson | 50100011       | Adaptor plate NYF/ECA, AC STD           |  |
|   | Fitel (S710S)   | 50100041       | Adaptor plate, Fitel, for S710S holders |  |

Note: Other adaptor plates are available upon request.

| Power Supply | Type         | Article number | Article Description          |  |
|--------------|--------------|----------------|------------------------------|--|
|              | Power Supply | 50100075       | Power Supply, 100-240 V, 15W |  |
|              |              |                |                              |  |
|              |              |                |                              |  |

| Power Supply Adaptors | Type           | Article number | Article Description          |  |
|-----------------------|----------------|----------------|------------------------------|--|
|                       | Adaptor for AU | 50100006       | Adaptor for Power Supply, AU |  |
|                       | Adaptor for EU | 50100007       | Adaptor for Power Supply, EU |  |
|                       | Adaptor for UK | 50100008       | Adaptor for Power Supply, UK |  |
|                       | Adaptor for US | 50100009s      | Adaptor for Power Supply, US |  |