

ProCleave™ LD-EC

AUTOMATIC FIBER CLEAVER FOR SENSITIVE LARGE DIAMETER FIBERS



The ProCleave LD-EC (Extended Clamp) is an automatic and highly advanced fiber cleaver, specifically adapted for sensitive fiber structures like Photonic Crystal Fibers (PCF), Hollow Core (HC) and similar. The cleaver has an extended glass clamp mechanism, which minimizes the risk for damaging or breaking the fiber during the cleaving process.

The cleaver's unique and universal clamping mechanism is self-adjusting to the fiber diameter applied, no external parts or accessories are required, the cleaver can handle fibers from 125-550 μm .

To achieve optimal cleave performance and repeatability, all crucial cleaving parameters are automatically monitored and controlled, results in very flat end faces and low cleave angles (typical $<0.5^\circ$).

The ProCleave LD-EC can be programmed with four different cleave programs, easily selectable by the touch panel.

The ProCleave LD-EC is powered from the built-in rechargeable battery or an external power supply.

Key Features

- Specifically adapted for sensitive fiber structures like PCF, HC or similar.
- Universal fiber clamping mechanism
- Designed for fiber cladding diameters from 125 to 550
- Low cleave angles with very flat end faces, typical $<0.5^\circ$
- Powered by the built-in rechargeable battery or external power supply



Technical Specifications

Dimensions:	150(W) x 90(D) x 60(H) mm 150(W) x 90(D) x 80(H) mm (incl. lever)
Weight:	1.1 Kg
Power Source:	Built-in rechargeable Li-Ion battery or external power supply (100 - 240 V AC, 50/60 Hz)
Supported fiber cladding:	125 - 550 μm
Supported fiber coating:	250 - 900 μm

Product

Part

Qty

NorthLab ProCleave LD-EC

CL-01-02000

Standard Package

Power Supply	CL-90-90002	1
Fitel/Fujikura Fiber Holder Platform	CL-01-01001	1
Bare Fiber Adaptor *	CL-01-01002	1
Tool Kit	CL-01-01004	1
User's Manual (pdf)	N/A	1

Optional Components

Spare Diamond Blade	CL-90-90001	
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* Recommended for bare fiber usage. To be placed in the Fitel/Fujikura Fiber Holder Platform (CL-01-01001).

Information is subject to change without notice. Last update: 2026-03-11.