ProCleave™ LD

AUTOMATIC FIBER CLEAVER FOR LARGE DIAMETER FIBERS

NorthLab PHOTONICS

The ProCleave LD is an automatic and highly advanced fiber cleaver for large diameter fibers up to 550 µm. The cleaver is specifically designed for use in production lines where ease-of-use, process speed, and a high production yield are crucial. It is also well suited for R&D environments.

The ProCleave LD generates very flat end faces and low cleave angles (typical <0.5°) with high repeatability.

To achieve optimal cleave performance and consistency, all crucial parameters are automatically monitored and controlled.

The ProCleave LD has a unique and universal clamping mechanism that is self-adjusting to the fiber diameter applied, requiring no external parts or accessories.

The ProCleave LD can be programmed with four different cleave programs, easily selectable via the touch panel. It is powered by an external power supply or the built-in rechargeable battery.

Key Features

- **Automated cleave process for optimal cleave quality and repeatability**
- **Universal fiber clamping mechanism**
- **Designed for fiber cladding diameters from 125 to 550**
- **Low cleave angles with very flat end faces, typical <0.5°**
- **Can be powered with battery or external power supply**
- **Available platforms that support Fujikura, Fitel, 3SAE, or use without fiber holders**

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	CL-01-01000	
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	

** 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: 2026-02-13.

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