ProCleave™ SD
ELECTRONIC FIBER CLEAVER

The ProCleave SD is an advanced electronic fiber cleaver for fibers up to 250 µm. The cleaver is specifically designed for use in production lines where ease-of-use, process speed and a high production yield is crucial. The cleaver is at the same time well suited for R&D environments.

The ProCleave SD is utilizing an advanced ultrasonic diamond scribe technology to achieve optimal cleave performance and consistency. The cleaver generates very flat end-faces and low cleave angles (typical < 0.5°) with a high repeatability.

The ProCleave SD has an unique and universal clamping mechanism which is self adjusting to the fiber diameter applied, no external parts or accessories are required.

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

The ProCleave SD is used together with a fiber holder from a fusion splicer (adapted for all main splicer brands).
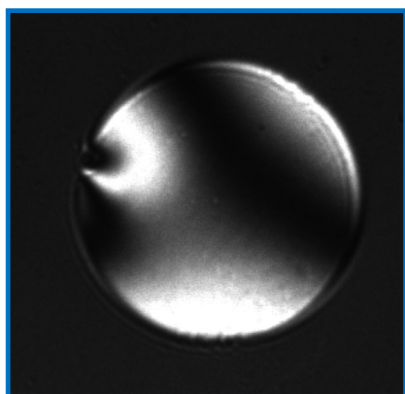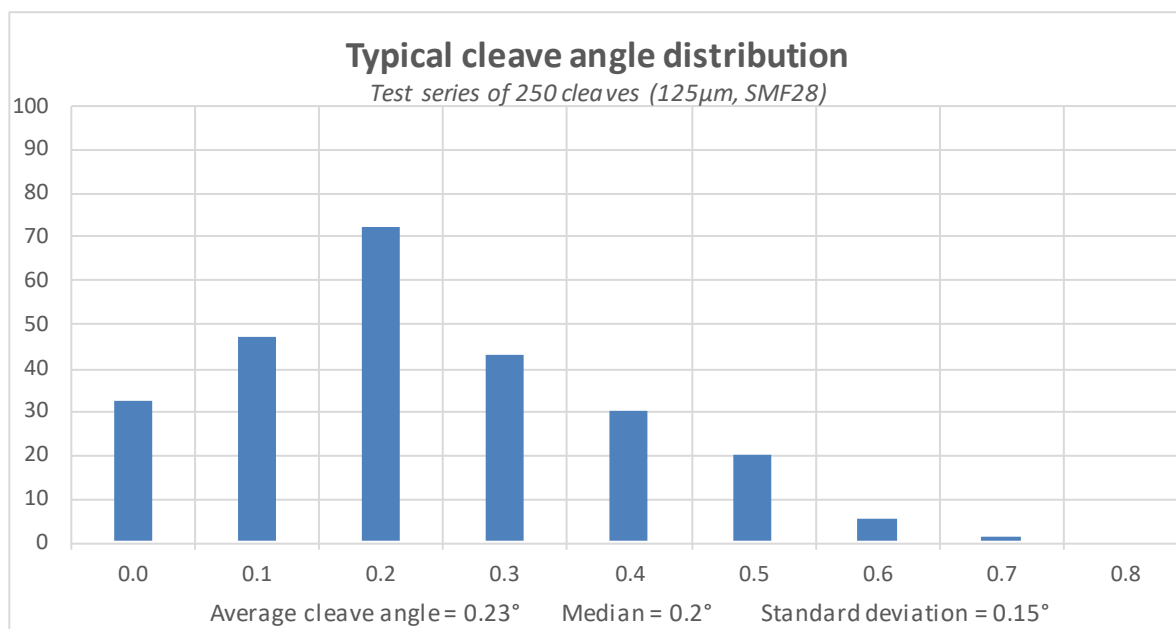
Key Features

- Electronic cleave process for optimal cleave quality and repeatability
- Universal fiber clamping mechanism
- Designed for fiber cladding diameters from 80 to 250
- Low cleave angles with very flat end faces, typical < 0.5° (125µm, SMF28)
- Can be powered with battery or external power supply
- Available platforms that support Fujikura, Fitel and 3SAE fiber holders
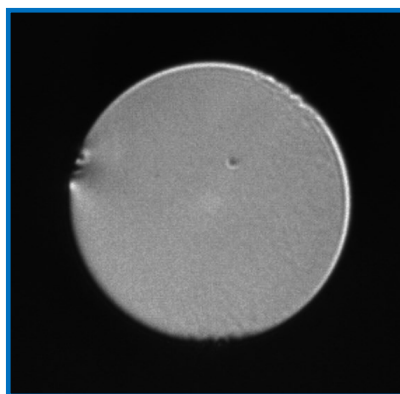
Technical Specifications

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:	80 - 250 µm
Supported fiber coating:	Depending on Fiber Holder

Product	Part #	Qty
NorthLab ProCleave SD	**CL-02-01000**	
Standard Package		
Power Supply	CL-90-90002	1
Fitel/Fujikura Fiber Holder Platform	CL-01-01001	1
Tool Kit	CL-01-01004	1
User's Manual & PC Software	N/A	1
USB 2.0 Cable	N/A	1
Optional Components		
Spare Diamond Blade	CL-90-90001	

INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE

Typical cleave angle distribution
Test series of 250 cleaves (125µm, SMF28)

Average cleave angle = 0.23°   Median = 0.2°   Standard deviation = 0.15°

Interferometer image approx. 0.15 °

Magnified end face

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