

# ProCleave™ HS

ELECTRONIC FIBER CLEAVER



The ProCleave HS is an advanced electronic fiber cleaver for fibers up to 250  $\mu\text{m}$ . 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 HS utilizes advanced ultrasonic diamond scribe technology to achieve optimal cleave performance and consistency. The cleaver generates very flat end faces, low cleave angles (typical  $< 0.5^\circ$ ) with minimum blade intrusion.

The ProCleave HS has a clamping mechanism designed for ease of use and with process speed in mind. It is powered by an external power supply or the built-in rechargeable battery.

The ProCleave HS is used together with a fiber holder from a fusion splicer (adapted for all main splicer brands\*).

*\* Fiber holder not included in the delivery kit.*

## Key Features

- Electronic cleave process for optimal cleave quality and repeatability
- Designed for fiber cladding diameters from 80 to 250  $\mu\text{m}$
- Low cleave angles with very flat end faces, typical  $< 0.5^\circ$  (125 $\mu\text{m}$ , SMF28)
- Can be powered with battery or external power supply
- Delivered with platform that support Fujikura, Fitel and 3SAE fiber holders



## Technical Specifications

<b>Dimensions:</b>	150(W) x 94(D) x 47(H) mm 150(W) x 107(D) x 51(H) mm (incl. lever and rubber feet)
<b>Weight:</b>	0.91 Kg
<b>Power Source:</b>	Built-in rechargeable Li-Ion battery or external power supply (100 - 240 V AC, 50/60 Hz)
<b>Supported fiber cladding:</b>	80 - 250* $\mu\text{m}$
<b>Supported fiber coating:</b>	Depending on fiber holder

*\* Fiber cladding diameters from ~180 - 250  $\mu\text{m}$  may require optional LD Clamp (CL-03-01002)*

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Product	Part #	Qty
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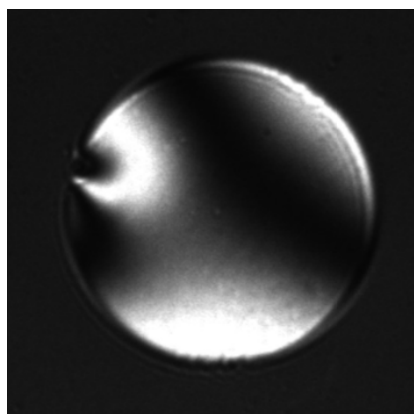
<b>NorthLab ProCleave™ HS</b>	<b>CL-03-01000</b>	
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#### Standard Package

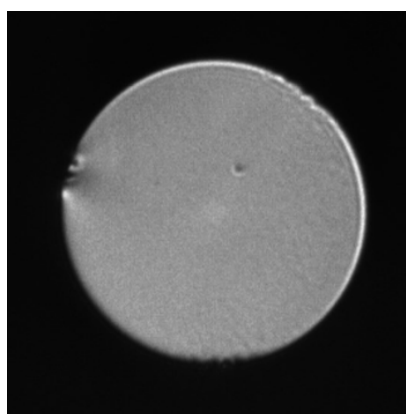
Power Supply + Cord EU/US	CL-90-90005	1
Tool Kit	CL-03-01001	1
USB 2.0 Cable	N/A	1
User's Manual & PC Software (USB-stick)	N/A	1

#### Optional Components

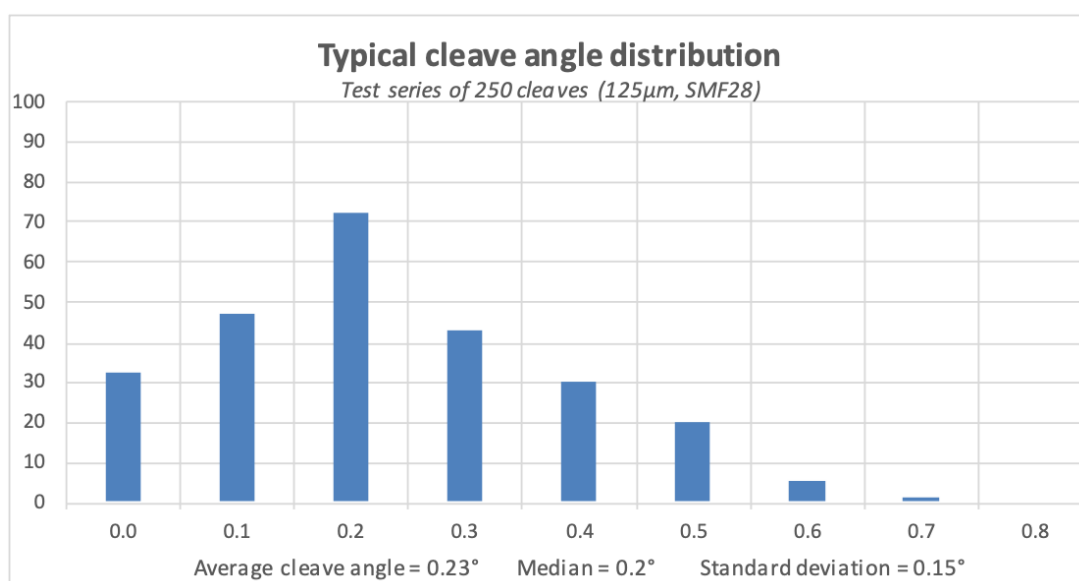
Spare Diamond Blade	CL-90-90001	
LD Clamp for fiber cladding ~180 – 250 µm	CL-03-01002	



Interferometer image approx. 0.15 °



Magnified end face



*Information is subject to change without notice.*