

3SAE STANDARD DIAMETER FIBER CLEAVER (SFC)

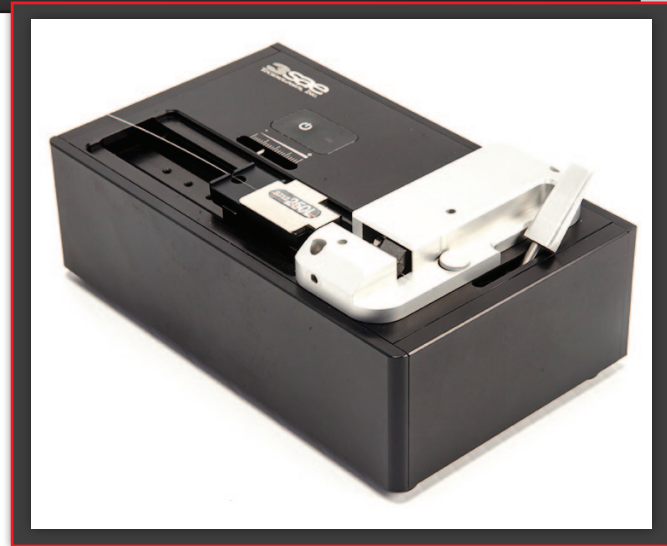
The 3SAE Standard Diameter Fiber Cleaver is an advanced electronic fiber cleaver for fibers up to 220 μm . The cleaver is specifically designed for use in production lines where ease-of-use, process speed and a high production yield is crucial. The cleaver is at the same time well suited for R&D environments.

The 3SAE Standard Diameter Fiber Cleaver 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 $<0.5^\circ$) with a high repeatability.

The 3SAE Standard Diameter Fiber Cleaver has an unique and universal clamping mechanism which is self adjusting to the fiber diameter applied, no external parts or accessories are required.

The 3SAE Standard Diameter Fiber Cleaver is powered from an external power supply or the built in rechargeable battery.

The 3SAE Standard Diameter Fiber Cleaver 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 80-220 μm
- Low cleave angles with very flat end faces, typical $<0.5^\circ$
- 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 - 220 μm
- Fiber Holder Compatible for all Fusion Splicers
- Supported fiber coating: Depending on Fiber Holder
- Fiber Cladding: 50 μm - 1.5 mm
- Fiber Coating: 80 μm - 2.0 mm
- Cycle Time: 3 - 48 s

Product

Standard Diameter Fiber Cleaver (SFC) **Part Number** **Qty**
CLV-09-0002

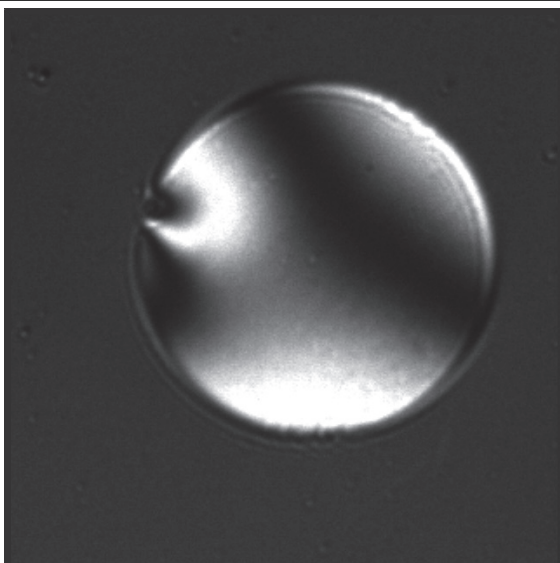
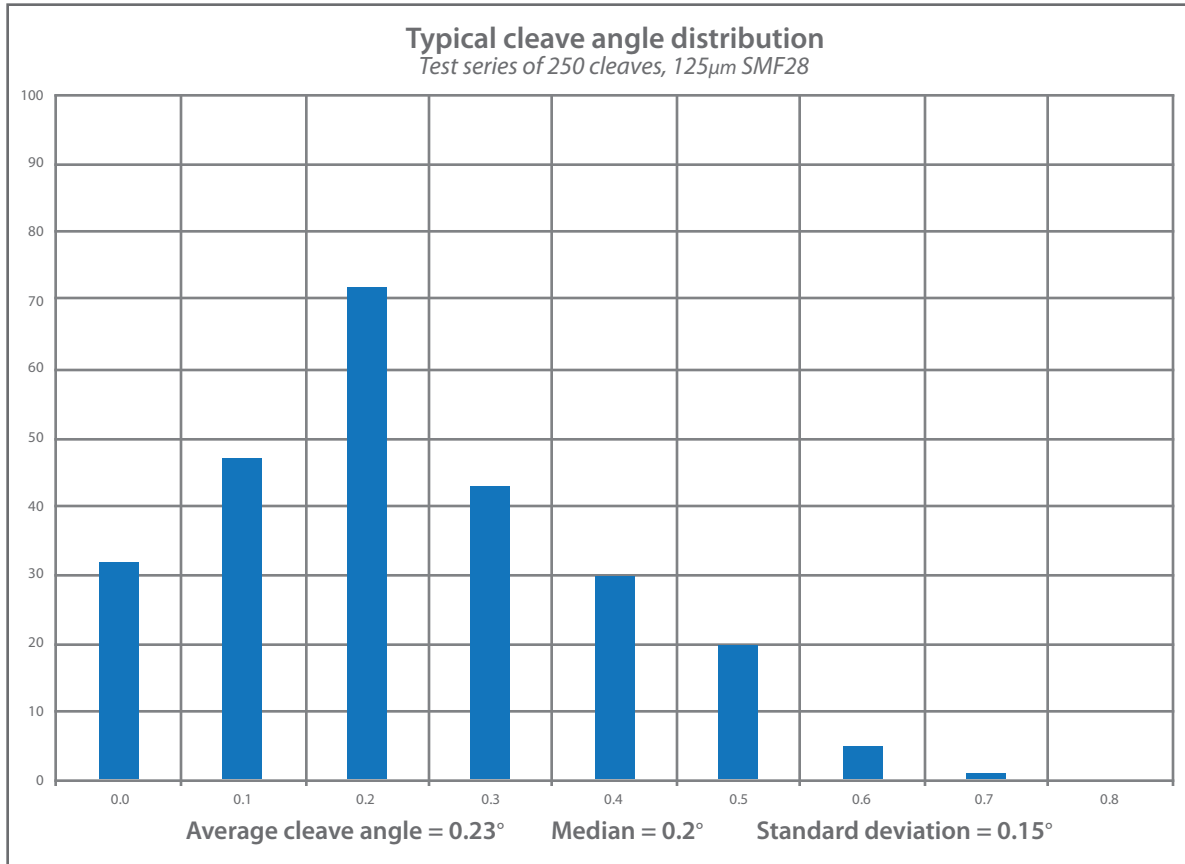
Standard Package

| | | |
|--------------------------------------|-------------|---|
| Power Supply | ACC-09-0001 | 1 |
| Fitel/Fujikura Fiber Holder Platform | ACC-09-0004 | 1 |
| Tool Kit | ACC-09-0003 | 1 |
| User's Manual & PC Software | N/A | 1 |
| USB 2.0 Cable | N/A | 1 |

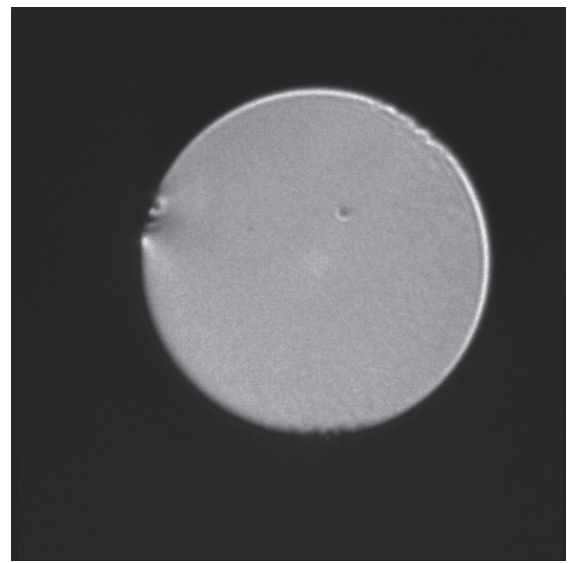
Optional Components

| | | |
|---------------------|-------------|--|
| Spare Diamond Blade | CON-09-0010 | |
|---------------------|-------------|--|

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Interferometer image approx. 0.15°



Magnified end face