

# CFC-400-SMA

## Connectorized Fiber Cleaver

CFC-400-SMA is an automated cleaver designed to create a flat cleave on an optical fiber that is mounted in an SMA-905 connector. It produces a high-quality, clean fiber end-face with a polish-like finish in seconds. There is no polishing residue and therefore no post-processing necessary. This quick and efficient system is ideal for high-volume connectorized fiber cleaving applications in markets ranging from medical and fiber laser to telecommunications.

CFC-400-SMA uses our well-proven tension-and-scribe technology to produce consistent cleaves with mirror-quality end-face finishes. It features programmable cleave tension and scribe conditions specifically suited for cleaving connectorized fibers. Fiber diameter can range from 80 microns to 1 mm.

### Features & Benefits

Tension-and-scribe method

*Low-angle -- critical for high-performance mirror-quality cleaving*

Programmable cleave parameters

*Accommodates a wide range of fiber sizes (80  $\mu\text{m}$  to 1 mm in diameter)*

Precision-controlled scribing process

*Repeatable, consistent and accurate cleaves*

Remote-controlled tension, velocity, oscillation, scribe delay

*Handset controller gives user full control over the cleave process*

Fiber holding blocks for accurate fiber positioning and clamping

*Results in highest fiber quality and process repeatability*

Adjustable mechanical slide

*Enables precise control of cleave position*

### Key Markets

Telecommunications - Fiber Laser – Sensing – Medical - Aerospace and  
Defense – Research

### Related Products

GPX-3000 Series Glass Fiber Processors - LFS-4000 Large Diameter Fiber  
Splicer – LDC-400 Large Diameter Cleaver

## Preliminary Specifications

Overall Size	H: 5.0" (127mm), W: 10.25" (260mm), D: 5.0" (127mm)
Weight	10.0 lbs (4.5 kg)
Power	12.5 VDC, 5A (provided by external power supply)
Ext. Supply	100-120 / 200-240 VAC, 4.5 / 2.2 A, 47-63 Hz
Services	Internal vacuum pump for fiber holding blocks
Cleave	Method Tension and scribe
Scribe	Diamond blade, stepper motor controlled
Loading	Linear tension, stepper motor controlled
Max. Tension	5.5 kg, programmable
Buffer Sizes	160 microns to 3.0 mm
Cladding Sizes	80 microns to 1mm
Insert sizes	Individual inserts and full set available for fiber from 80 micron to 1mm
Connector types	SMA 905
Compliances	CE - RoHS



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