



1400 Campus Drive West
Morganville, NJ 07751 USA

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 μ 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



1400 Campus Drive West
Morganville, NJ 07751 USA

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



Vytran LLC

1400 Campus Drive West - Morganville, NJ 07751 - USA

Tel: +1 (732) 972-2880

Fax: +1 (732) 972-6229

Email: sales@vytran.com

www.vytran.com