

For current pricing, please see our website.

CHAPTERS

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SECTIONS

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Termination

Precision Fiber Cleaver

Design and Cleave Quality

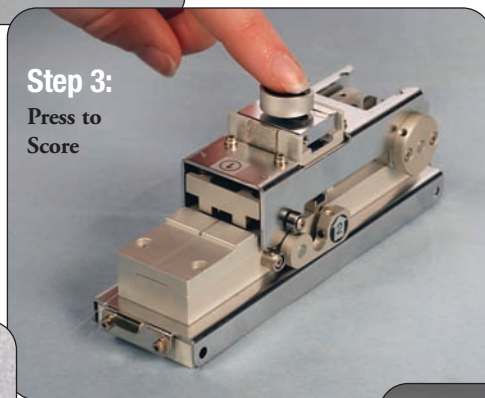
The XL411 is a high-precision fiber cleaver with a unique fixed blade design that consistently produces chip-free perpendicular cleaves. The flat blade is suspended above the fiber and, as a result, cleaves the fiber from the top. The result is a precision fiber cleaver that typically produces cleaves at $90^\circ \pm 1.0^\circ$, which is well within the $\pm 3^\circ$ tolerance needed for good fusion splicing. Many competing designs utilize a rotating blade that, while sufficient, does not produce cleaves with same consistency (see plot) because the rotating blade accesses the fiber from the side.



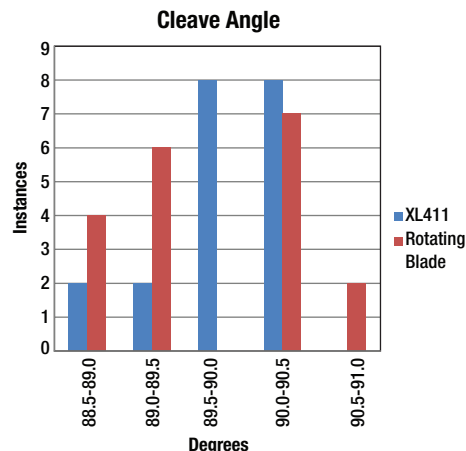
Steps 1 and 2:
Strip and Load Fiber

Blades

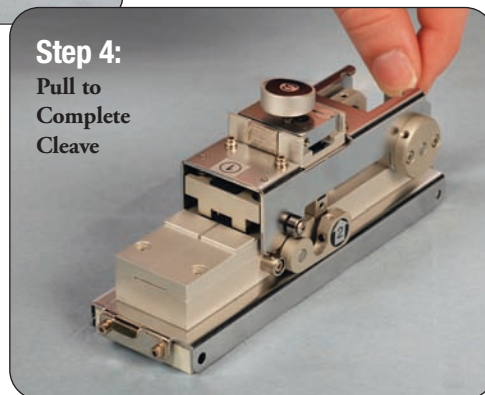
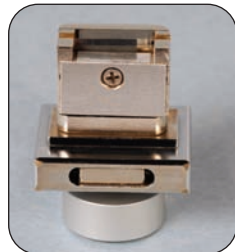
The blade used in the XL411 is flat, which has performance (see plot) and operational benefits. When the XL411 is used to cut single fibers, the lifetime of a single blade can be extended (up to 3 times) by repositioning the blade after the portion being used is dull so that a new portion of the blade is being used. After the entire blade has been used, the replacement of the blade is easily done in the field because of the easy to access blade location.



Step 3:
Press to Score



Each step is clearly labeled.



Step 4:
Pull to Complete Cleave

- Design Allows for a Switchable Blade Position
- Highly Repeatable Cleaves in Less than 30 Seconds
- Precise Mechanical Design Allows Field Replacement of Blades
- Standard $\varnothing 125/250 \mu\text{m}$ and $\varnothing 125/900 \mu\text{m}$ Fibers
- Cutter Blades Will Last at Least 3000 Operations Under Normal Use

ITEM #	\$	£	€	RMB	DESCRIPTION
XL411	\$ 1,360.00	£ 979.20	€ 1,183.20	¥ 10,839.20	Precision Fiber Cleaver, Switchable Blade Position
XL410B	\$ 84.00	£ 60.48	€ 73.08	¥ 669.48	Replacement Blade