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TECHNOLOGY GROUP

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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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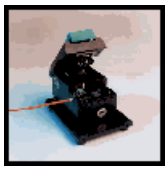
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FIBER OPTIC
CLEAVERS

AFC 2000 Series

The AFC-2008 Precision Optical Fiber Cleaver was developed to reduce back reflection by cleaving the optical fiber at an angle.

The AFC-2008 angled cleaver achieves a cleave of 8 degrees for 125 um singlemode and PM fiber.



AFC-2008 Angled Fiber Cleaver

Featuring:

- Angled cleaving of 125um singlemode and PM optical fiber
- Average end angle of 8 degrees (+/- 0.3 degrees)
- Mirror smooth end faces , no hackle
- Easy to use with "stapler" action
- Multi-position diamond blade

Benefits:

- Reduced back reflection: <-60dB
- Fast operation: greater throughput
- Ease of use: no training required
- Accuracy of end angle: no relcleaving
- Rugged construction
- Long blade lifetime
- Value for money

Operation:

The fiber is placed in a large groove and set against a scale to give an accurate cleave length. The tool has a "stapler" like action. Closing the tool clamps, tensions and bends the fiber. A diamond blade then gently slices into the fiber at an angle to score the fiber which cleaves to give an 8 degree end angle.

The angle end reduces the back reflection to less than -60dB. Clamping onto the fiber coating or a ferrule or cleaving of different fixed end angles or different fiber diameters can be factory set.

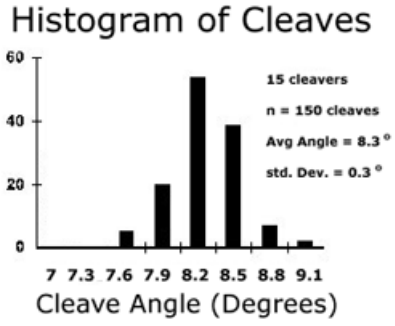
Features:

- Unique angled blade to reduce stresses during cleaving
- Easy fiber loading using V-groove
- "Stapler" action to reduce operator skill required
- Cleaves through polyimide coatings
- Scale for accurate cleave lengths
- Multi-position diamond blade for long-life operation
- Rugged construction for low maintenance
- Cleaver stand
- Case for travel protection

Optional Factory Settings:

- Fixed end angle: 5 - 14 degrees
- Fixed fiber diameter: 80 - 250 um
- Clamping onto coating or ferrule
- Pre-set cleave lengths

Performance (typical):



The Histogram shows the cleave angles obtained from 15 different cleavers, with 10 cleaves taken from each tool.

Average cleave angle: 8.3 (degrees)

Standard deviation: 0.3 (degrees)

Specifications:

- Fiber diameter:	<> 125um:singlemode and PM fiber
- Cleave end angles:	8.3 degree average 0.3 standard deviation
- Preset cleave length:	> 10mm for 250um-900um coatings; 3mm if clamping coating
- Blade life:	> 20,000 cleaves estimated
- Dimensions:	72mm x 65mm x 50 (3in x 2.5in x 2in)
- Weight:	550g (1.2 lbs)

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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