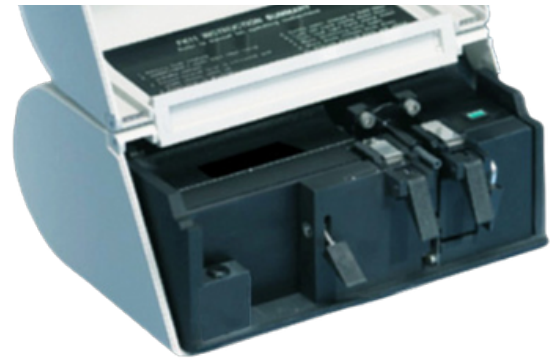


## PK ULTRASONIC ANGLED FIBER CLEAVER FK12



The most revolutionary aspect of the Photon Kinetics FK12 is the ultrasonic cleaving action. A precision diamond blade is attached to a resonant acoustic-stepped horn. The ultrasonic horn resonance is started and maintained for the duration of the cleave by an electronic circuit. It is then automatically terminated to preserve battery life.

The ultrasonically vibrating blade moves slowly towards the tensioned fiber on stictionless damped bearings. Cleaving takes place without the compressive stresses and blade intrusion into the fiber that is typical of conventional cleavers. This revolutionary new cleaving technique produces superb planar ends of mirror quality with no hackle.

A stripped and cleaned fiber is placed in the grooves of the cleaver and is held by specially designed low-torsion clamps. Constant tension is then applied to the fiber by lowering the tension lever. Cleaving is initiated by pushing the blade release lever downwards. The design allows cleaving to take place as close to the coating as may be required.

The FK12 cleaver is capable of producing similar low angle fiber cleaves as the FK11, but its primary application is for creating fiber cleaves with a user-selectable end angle for low reflectance fiber terminations.

### Key Features: Ultrasonic Angled Fiber Cleaver FK12

- Tensions fiber prior to cleaving prevents damage to end face
- Adjustable cleave angle from 0° to 15° for optimal end reflection and loss (FK12)
- Long-life durable diamond blade provides extended use
- Variants for cleaving a variety of fiber diameters, and through fiber coatings
- Easy to use

### Standard Package

Part Number	Product
CLV-08-0001	FK12 Angled Ultrasonic Fiber Cleaver

### Technical Specifications

Feature	Specification
Dimensions	150 x 150 x 68 mm (6" x 6" x 2 2/3")
Weight	1.2 kg (2.6 lb)
Power Source	9V alkaline (MN 1604) recommended
Battery Life	10,000 cleaves
Fiber Dimensions	125 μm
Estimated Blade Life	>20,000 cleaves

