

## XL411

# Manual Fiber Cleaver

## Description

The design of this suspension cleaver allows the blade position to be adjusted. Since only a small portion of the blade is used to cut the fiber, the design allows for a longer blade lifetime.

The operation follows a simple 4-step cleave sequence. The design ensures consistent cleaves less than  $0.5^\circ$ . For ease of use, the 4-step sequence is clearly indicated on the tool making this an ideal instrument for laboratory or production environments. This device can cleave standard 125/250  $\mu\text{m}$  and 125/900  $\mu\text{m}$  fibers as well as ribbon fibers with an adapter plate sold separately through Alcoa Fujikura.

## Instructions

- The various parts of the fiber cleaver are labeled 1 through 4. Please follow the numbers in the steps below.
- Before operation, clean the blade and the rubber plate with alcohol.
- Any oil or dust on your hands may result in poor performance.
  1. Strip the buffer about 30 mm from the end and clean the fiber with alcohol.
  2. Put the fiber on the cleaver. The fiber should be straight and perpendicular to the blade.
  3. Close the cover (1) and lock it in place by rotating the lever (2).
  4. Push down the button (3), and slide it in the direction of the arrow to score the fiber. If the blade is worn, slide the blade back and forth with the button pushed.
  5. Cut the fiber by pulling out tab (4).
  6. Take out the fiber by unlocking the lever (2) and opening the cover (1). The tab (4) should be pushed back into place after the fiber has been safely removed. If the tab (4) is pushed back before the fiber is removed, the face of the fiber might be damaged.

## Replacing the Blade

1. Loosen the locking screw and carefully remove the old blade.
2. Carefully place the new blade into position and, pushing the blade slightly with a cotton swab, lock the blade in place by tightening the screws.



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