

INSTRUCTION MANUAL
FOR
HIGH PRECISION FIBER CLEAVER
CT - 04B

Fujikura
Tokyo, Japan

0003-16-07 (Ver.2)

WARNING

- (1) Do not attempt to use or operate equipment before reading this instruction manual.
- (2) Safety glasses should always be worn during fiber preparation.
A glass fiber fragment may be extremely dangerous if it comes into contact with the eye, skin, or is ingested.
- (3) Do not touch the blade. Failure to comply can result in personal injury.

CAUTION

- (1) This cleaver is designed to cleave telecommunications optical fibers (glass).
Do not attempt to cleave any material other than telecommunications optical fibers (glass).
- (2) Precise adjustment and alignments have been made to all parts of this cleaver by factory personal. Do not loosen any screws or make any modifications to the cleaver.

1. APPLICABLE FIBER

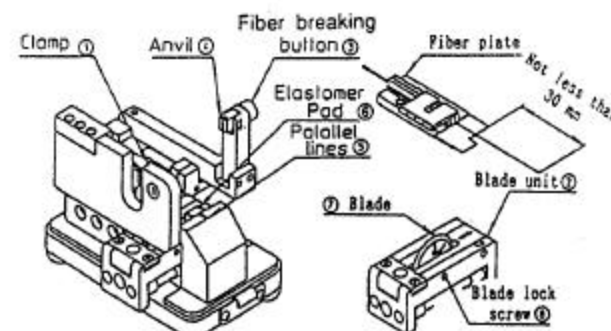
The model CT - 04B is designed for fibers having a nominal 125 microns cladding diameter.

By purchasing optional fiber plates and fiber holder, fibers having following coated diameters can be cleaved with each length.

	coated diameter	cleave length
FiberPlate - 03	0.25~0.9mm	16mm
- 03AT	0.25~0.9mm	12.5mm
- 04	0.25mm	6~20mm
- 07	0.25mm	6~20mm
	0.9mm	10~20mm
FiberHolder	ribbon fibers	10mm

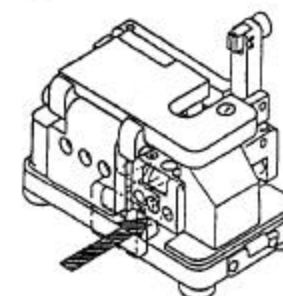
2. PROCEDURES

- (1) Open the clamp 1 and the anvil 4. Then slide the blade unit 2 in the opposite way to arrow. Place the fiber so as to make it parallel to the parallel lines 5 (In case of a ribbon fiber cleaving, make sure not to cross fibers each other.)



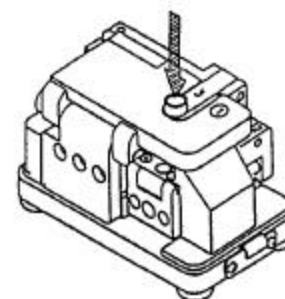
- (2) Close the clamp 1. Slide slowly the blade unit 2 in the direction of the arrow to cleave the fiber.

Slide it slowly
in the direction
of the arrow.



- (3) Lower the anvil 4 and depress the fiber breaking button 3 to break the fiber until the clamp 1 is lifted and unlocked automatically.

Depress it until
the clamp 1 is
unlocked.



3. CLEAVING AND ADJUSTMENT

Clean both the circular blade 7 and the clamp's elastomer pad 6 frequently with ethylalcohol soaked cotton. If you can not cleave fibers properly even after cleaning, take following process to replace the worn-out portion of the circular blade with a new portion. Loosen the blade lock screw 8. Revolve the circular blade 7 by 1/12 turn to fit its next hole to the screw position. Screw again the blade lock screw 8 to fix it.