SET

Operation and Maintenance Procedures for the FCP-22 / 22 L Precision Fiber Cleaver

1.General

1.01 The FCP-22/22L is a tool used for cleaving single stand optical fibers.
Fiber requirements and specifications are as shown in Table 1.

Fiber type	:250&900 μ m jacketed single fiber
Clad diameter	:80-150 μ m
Cleave length	:12-16mm
	: 9-16mm : in case for only 250 μ m fiber
Dimensions	:58W×55D×59Hmm
Weight	:260grams
Typical cleave angle	:0.5°
Blade life	:36,000 fiber cleaving

Table 1. Specifications

2.Operation(Refer to Fig.1)

1. Open the bare fiber clamp
2. Ensure the blade carrier is positioned towards the operator side
3. Set the fiber into the fiber groove and clamp the fiber by closing fiber clamp
4. Close the bare fiber clamp
5. Slide the blade carrier to score the fiber(s)
6. Push the cleaving button to cleave the fiber(s)
7. Open the bare fiber clamp
8. Remove the fiber and dispose of the scrap ends

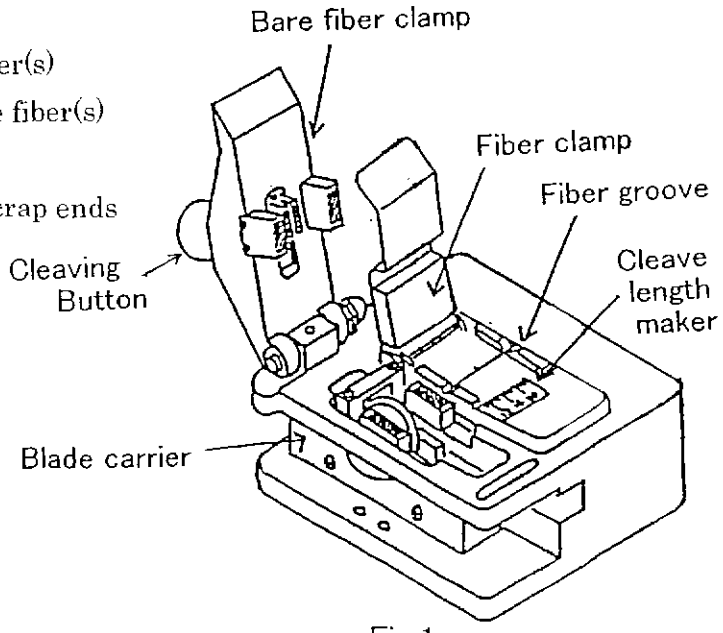

Fig.1

3.Maintenance(Refer to Fig.2)

3.01 If cleaving conditions become poor try the following steps:

1. Clean the upper and lower rubber surfaces of the bare fiber clamp and blade edge using

   a cotton swab moistened with pure alcohol

2. Rotate the blade position:

- Loosen the blade fixing screw
- Turn the blade to the next position as numbered
- Tighten the blade fixing screw

3.02 Adjusting the blade height:

After all 12 blade positions have been used, the blade can then be raised to allow for additional cleaves. This height adjustment can be done twice providing a total of 36 usable blade positions. To raise the blade height:

- Loosen the blade height locking screws.
- Referring to Fig.3, turn the blade height adjustment screw so that the length of exposed blade edge along the bare fiber clamp is 4 to 5mm
- Tighten the blade height locking screws.

3.03 Blade replacement:

- Remove the blade fixing screw and used blade
- Set new blade and tighten blade fixing screw

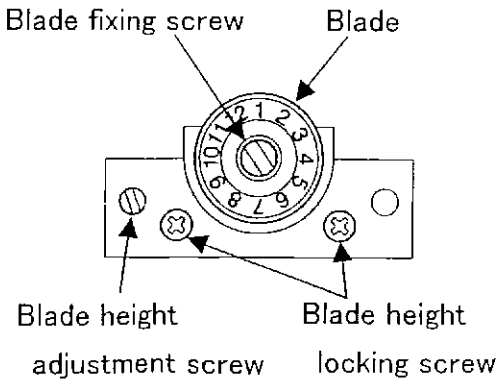

Fig.2

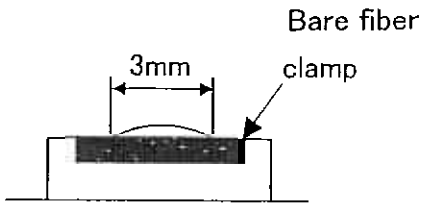

Fig.3