

## WY-105A Fiber Cleaver

### Description

WY-105A cleaver is an economic multi-action cleaver, high precision preparation for single fibers, standard length 16mm. Compact, slim and simple is available for application.

### Feature

- ◆ Stable operation with Multi-Action process
- ◆ Typical cleave angle:  $90^{\circ} \pm 0.5^{\circ}$
- ◆ Compact & handy outfit design
- ◆ High precision cleaving blade with 16 cleave spots
- ◆ Scratch-free anodized body surface
- ◆ Simplified blade adjustment & replacements
- ◆ Built-in maintenance tool attached: on the bottom

### Specification

- ◆ Applicable fiber: SM, MM, DS, NZ-DS, EDF
- ◆ Fiber Diameter: 100~150um
- ◆ Cleave Angle:  $90^{\circ} \pm 0.5^{\circ}$
- ◆ Cleave Length: single fiber standard 8~22mm
- ◆ Blade Lifetime: 40,000 cleaves

### General

- ◆ Dimensions: 56 \*55 \*48 (mm)
- ◆ Weight: 0.27 kg

### Application

Fiber preparation.



# Instruction Manual



## ◆ Usage and Safety Regulation

- ⊙ Read this description, before using Cleaver WY-105A and keep description with Cleaver WY-105A.
- ⊙ Using Cleaver WY-105A, please be cautious of the following particulars and prevent your body and property from harm and use carefully and usefully.
- ⊙ Keep Cleaver WY-105A away from water.
- ⊙ Place Cleaver WY-105A away from humid and dusty place.
- ⊙ High temperature causes transforming, so keep it in normal temperature.
- ⊙ Be careful with serious impact on it.
- ⊙ Be sure that the stripped fiber length should be at least 12mm or longer.
- ⊙ Clean the Cutting Edge Rubber Pad regularly with alcohol. Try not to use acetone or corrosive solvent when you clean the rubber pad.
- ⊙ Keep the fiber holder clean to ensure no dust in it.

Pressing Board

Cover

Fiber Holder

Cutting Edge  
Rubber Pad

Blade Carriage

Blade



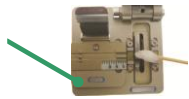
## ◎ Operation Procedure of Products

<p>1. Open the body cover, and put the stripped fiber on the v-groove. And make sure that the cleave length is set as per operators' intended length.</p>	<p>2. Push the Blade Carriage to the Front, then close the presser to fix the fiber.</p>
<p>3. Close the cover and make sure that the end of the fiber is sticking out of the rubber pad exactly in a straight line.</p>	<p>4. Push the blade carriage to the rear until it stops.</p>
<p>5. Open the cover of the body.</p>	
<p>6. Take out the cleaved fiber with care in order not to bring the harm to the end face of fiber.</p>	<p>7. For the continuous operation, remove the cleaved fiber, in this process, be careful not to get injured by the cutting edge.</p>



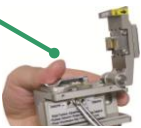
## ◎ Blade Replacement & Blade Position Adjustment

- The cutting spots from 1 to 16 are marked on the blade.
- When it does not cleave the fiber normally, clean the rubber pad and the edge of the blade with an-soaked swap.(But, do not use acetone or solvent when you clean the rubber pad.)
- However, if it still does not cleave the fiber properly, it means the cutting spot edge is fully used. So you need to change the cleaving position. The blade setting consists of 3 positions of 3 positions, and changes the spot and the position according to the following order when you need to change them.




### A. Blade adjustment (Cutting sopt marked on the blade, 1~16)

1. Take out the 1.5mm allen key for the work.		2. Release the 2 setscrews around Cam.	
3. Rotate the blade to the anti-clockwise direction. The blade is originally fixed on "position 1". Treat the blade with care not to touch the tip of the blade.		BOLT	

### B. Blade Height Adjustment.

1. Hold the cleaver body as the figure shown and release the 2 setscrews around Cam.		2. Release the setscrew above bottom of the cleaver body as figure shown.	
3. Put the stripped fiber into the fiber holder and then close the pressing board. Turn the Cam in clockwise direction to adjust the blade height. Move the blade back and forth until the blade can be touched the fiber a little not much..		Cam	
4. Fasten the 2 setscrews around Cam and another one above the bottom .			

### C. Blade Replacement

1. Release the 2 setscrews and another one above the bottom as Blade Height Adjustment 1. and 2.		2. Release the setscrew below the bottom of the cleaver body as figure shown.	
3. Take out of Cam with allen key lightly. Remove the old blade to replace to new blade.		CAM	
4. Fasten the 2 setscrews around Cam and another one below the bottom .			

**Note:** Please do not fasten the fiber cleaver with screws that are not original by yourself.