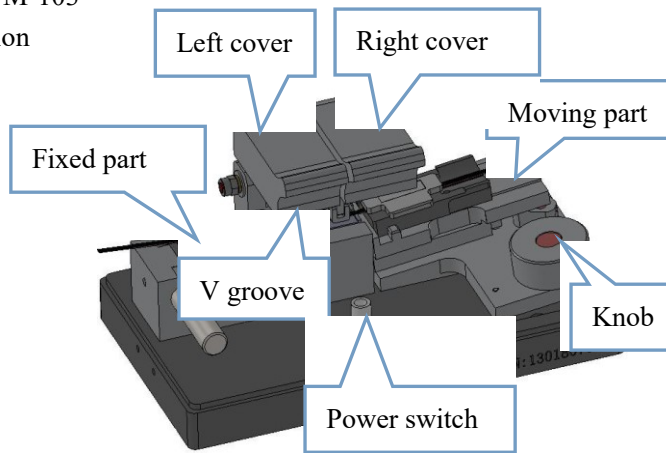


Instruction Manual for FM-103 Ribbon Fiber Aligner

- ◆ **Product description:** Ribbon fiber aligner
- ◆ Model:FM-103
- ◆ Illustration



- ◆ **Main characteristics**

- 1) Low splicing loss, good consistency.
- 2) Small size, light weight and easy to operate.

- ◆ **Main Specifications:**

- Applicable fiber: 4/8 core ribbon fiber; fiber diameter: 125 μ m;
 Splicing loss: for single fiber, splicing loss is not more than 0.3dB
 Operating temperature: -10 $^{\circ}$ C ~ 40 $^{\circ}$ C
 Dimensions: 140mm \times 80mm \times 77mm
 Weight: 0.9kg

- ◆ **Operation steps:**

- 1) Turn on the lighting power switch.
- 2) Turn the knob to adjust the movable part of the ribbon aligner to the farthest position.
- 3) Connect the FC head end of the ribbon multi-mode pigtail to the multi-channel tester, and clamp the other end with the ribbon fiber holder, then applying a thermal stripper and an optical fiber cleaver to it in turn. After stripping and cleaving, place the ribbon fiber on the fixed part(left end) of the aligner, then clamp it with the left cover.
- 4) Applying a thermal stripper and cleaver in turn to the ribbon fiber. After stripping and cleaving, place it on the movable part (right end) of the ribbon fiber aligner, and drop a little bit matching liquid into the middle of the V groove, then clamp it with the right cover.
- 5) Turn the knob counterclockwise, allowing the fiber in the movable part to move freely to automatically connect with the fiber in the V groove, and then observe the tester to check each indicator.

- ◆ **Configuration list:**

Items	Model	Quantity
Ribbon fiber aligner	FM-103	1
Matching liquid	5ML	1
Fiber holder	FH-4-L/R or FH-8-L/R	1 pair(optional)

- ◆ **Daily maintenance**

Before the use each time, clean the V groove and the fiber clamps with a purity of 99% ethanol alcohol; after use, wipe the matching liquid on the V groove and the fiber clamps with alcohol, and then clean the fiber debris on the device. Finally, store the device in a dust-free state afterwards.

Warning: Non-professionals are not allowed to disassemble this product. If there is any malfunction, please contact with the after-sales personnel of our company in time.

Note: This equipment can only be cleaned and maintained with a cotton swab moistened with alcohol. Do not use air guns for cleaning!

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