

RBSW-25AN Aligner Operational Guide

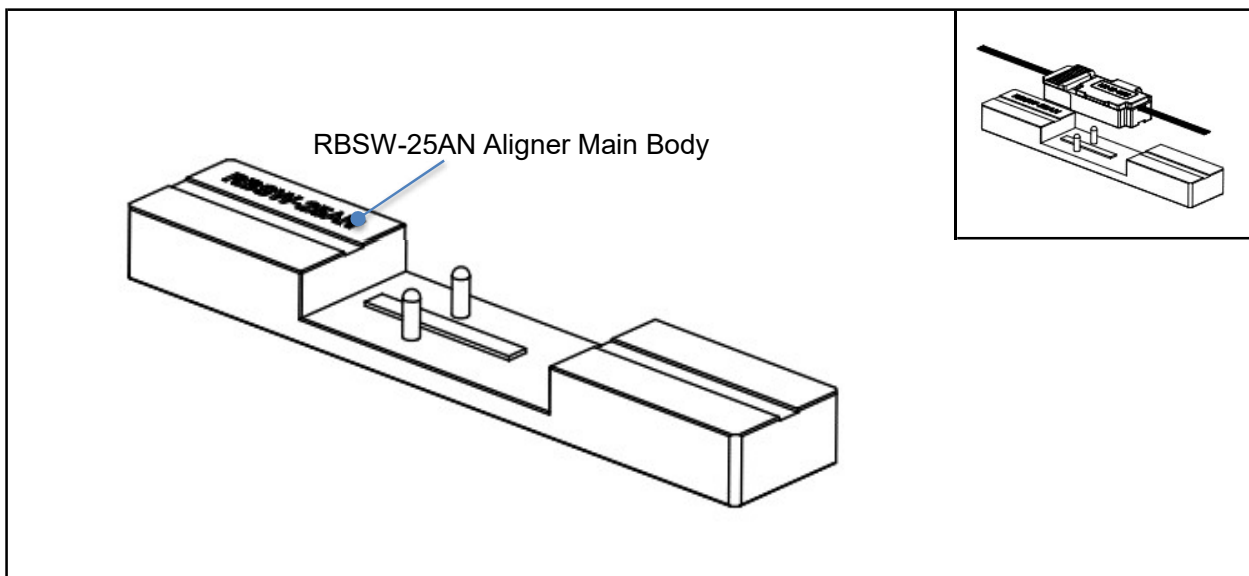
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1. General

This user manual provides procedures for splicing 250um rollable ribbon fiber using the RBSW-25AN aligner and KR12A splicer. This manual will help you gain a basic understanding of rollable fiber handling, stripping, cleaning and splicing.

2. RBSW-25AN Aligner Configuration





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3. Installation Tools

3.1 Tools for Cable Preparation

	
Cleaning Wipes	Non-Slip Plier

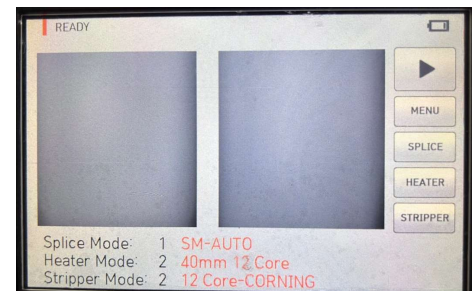
3.2 Tools for Fusion Splicing (Stripping & Cleaving & Heating)

			
KR12A	Holder Left (HR-12-025)	Holder Right (H7-12-10)	RBSW-25AN

4. KR12A Setting

Depending on the tool you will use and the type of fiber you are splicing, you will need to change your splice heater and stripper settings.

When working with rollable ribbon fiber using RBSW-25AN, please choose the appropriate setting as follows.



4.1 Splice Mode

- Single mode : Setting – 1. SM-AUTO

4.2 Heater Mode

- Setting – 2. 40mm 12 Core
- Detail - Heating Time : 40 seconds / Heat Temp. : 180 Degree

4.3 Stripper Mode

- Setting – 2. 12 Core-CORNING

5. Procedure

5.1 Fiber Preparation (Stripping and Cleaving)

5.1.1 Prepare rollable ribbon fiber and Tools

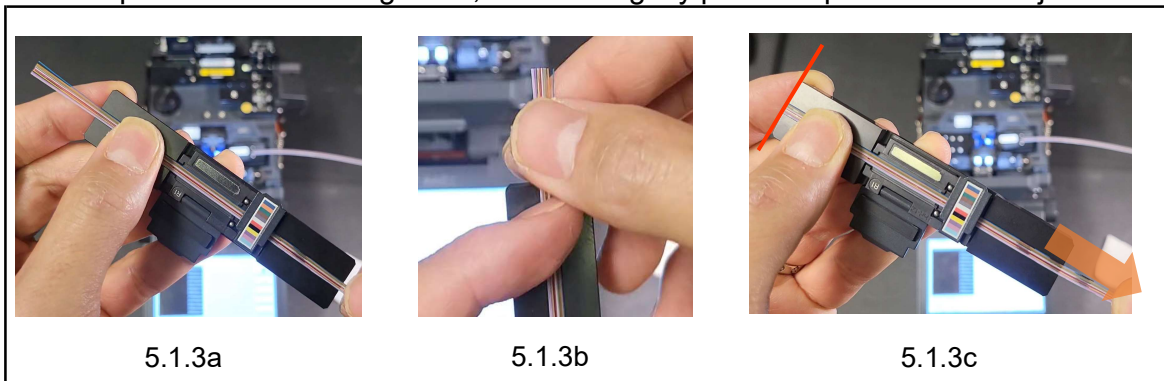


5.1.2 Place the holder(HR-12-025) to RBSW-25AN main body.



5.1.3 Open all covers and place the rollable fiber on the holder and main body.

Close the color code cover, press the optical fiber with your finger to align the optical fiber with the groove, and then lightly pull the optical fiber to adjust its length.



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5.1.4 Close the HR-12-025 cover and smoothly rub the tip with your thumb. Inspect your work.



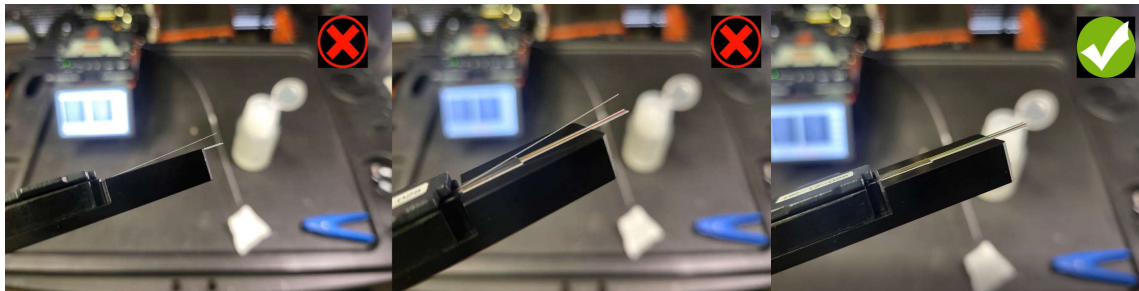
5.1.4a



5.1.4b



5.1.4c

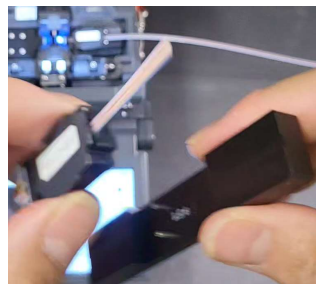


[Tip]
If the fibers protrude upward after closing the cover, it means that the alignment is not done properly.

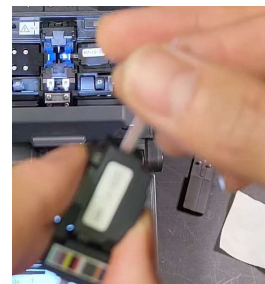
5.1.5 Remove the holder from the RBSW-25AN main body. Use your fingers to straighten the aligned rollable fiber.



5.1.5a



5.1.5b



5.1.5c

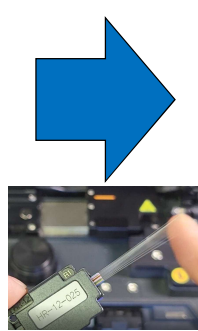
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5.1.6 Follow the manual of IG-FSOC-MPOSB30 or IG-FSOC-MPOSBRB, fusion splicing process on KR12A. (Stripping to Cleaving Both Left & Right side)

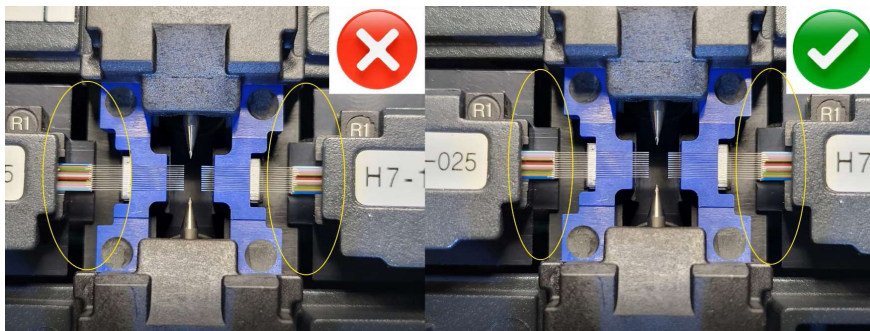


5.1.6a



5.1.6b

[Caution] Do not miss!
Dry and separate each fiber
by touching tips of fibers carefully.



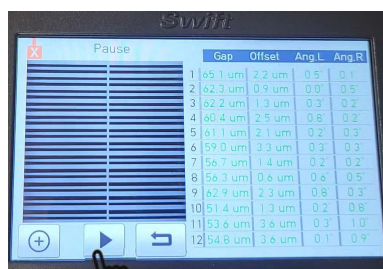
[Tip]
When splicing prepared fibers, please check the color code from left to right

5.1.7 Close the windcover.

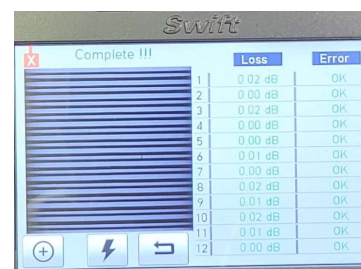
Make sure there are no alignment errors and touch the ► button to perform splicing. Check the Est loss value after splicing.



5.1.7a



5.1.7b

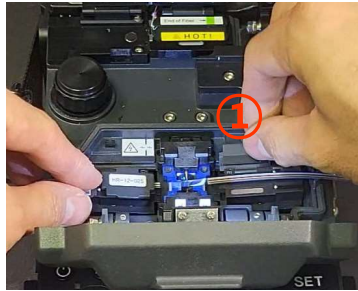


5.1.7c

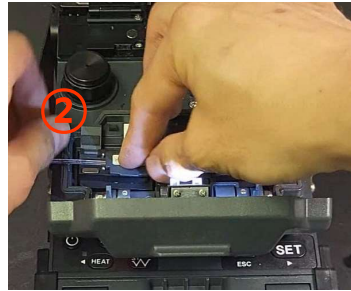
5.2 Complete splicing and removing fibers

5.2.1 Open the windcover. Please wait until the tensile test is completed.

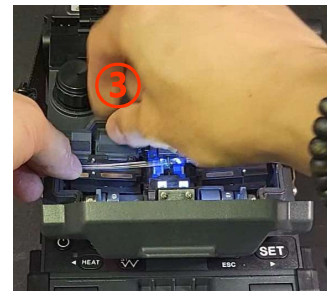
Open the holder covers in order. (Right→Left→Middle)



5.2.1a



5.2.1b



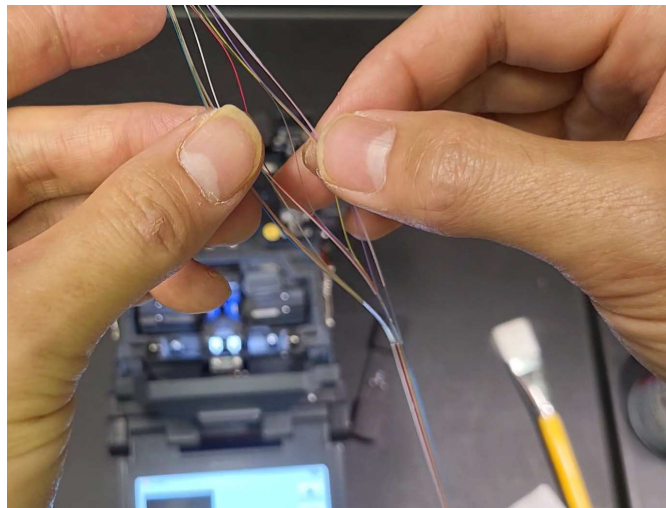
5.2.1c

[Tip]

Open the cover one by one.

Carefully hold and open in order to avoid damage to the fibers.

5.2.2 Use heat/shrink sleeve to protect the spliced area.



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