

Jacket Remover JR-25 Operation manual



Caution

If users ignore this symbol and handle the jacket remover the wrong way, bodily injury and damage to the equipment could result.



Caution

IMPORTANT SAFETY PRECAUTIONS

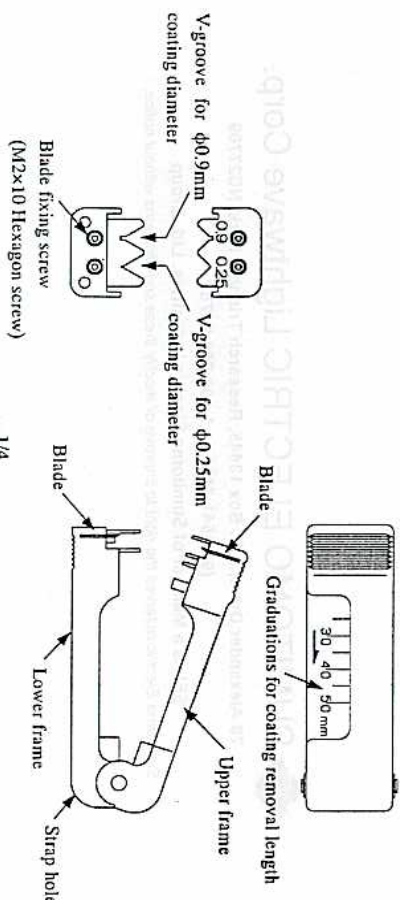
1. This product has been designed and manufactured to assure personal safety. Improper use can result in malfunction or accidents. Please read and observe all warnings instructions given in this operation manual.
1. The JR-25 jacket remover is a precision instrument. Dropping or impacting the remover might cause failure of fiber coating removal.
2. Glass fiber fragments are tiny and extremely sharp. Handle with care. Wear safety glasses at all times during removing operation for protection from glass fibers.
3. Dispose of glass fiber fragments in exclusive waste places.
4. If the remover is damaged or an abnormality occurs, contact our maintenance service center.
5. Do not disassemble or adjust the tool.

1. General

The JR-25 jacket remover is a tool for removing the protective coating from a single optical fiber. The remover is capable of removing $\phi 0.25/0.9$ mm fiber coating diameters.

2. Specification

Size	W25 × L86 × H28 mm		
Weight	Approx. 40 g		
Applicable fiber	Cladding diameter	125 μm	
	Coating diameter	$\phi 0.25\text{mm}$, $\phi 0.9$ mm	
Accessories	Replacement blade (Part No.: JR-25BL)		



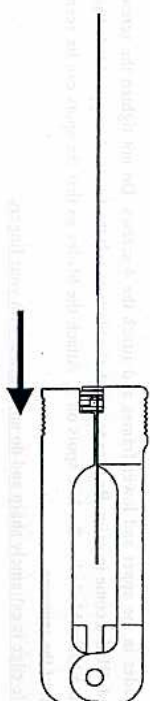
3. Operating procedures

- (1) Before removing the coating
Ensure that coating residues do not remain on the blade and V-groove. If some do remain, remove them with a supplied cleaning brush.

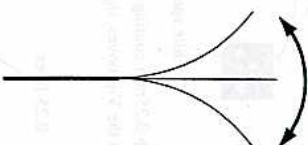
- (2) Insert the optical fiber between the grooves for the applicable coating diameter and tightly squeeze the upper and lower frames together.
Do not squeeze the frames together more than twice since this may damage the bare fiber.

Caution
Be careful not to catch your finger between the frames.

- (3) Firmly grip the fiber, to prevent slipping, and pull the jacket remover straight out towards the free end.



- (4) Clean the bare fiber with a piece of gauze moistened with alcohol to remove the coating residues.
- (5) Gently bend the end of the bare fiber with your finger and ensure that the fiber is not broken.



- (6) Remove the coating residues remaining on the blade and V-groove with a supplied cleaning brush.

4. Maintenance

(1) Cleaning blades

Coating residues remaining on the tool might lower the blade effectiveness. Remove the residues from the blade with a supplied cleaning brush after each use.

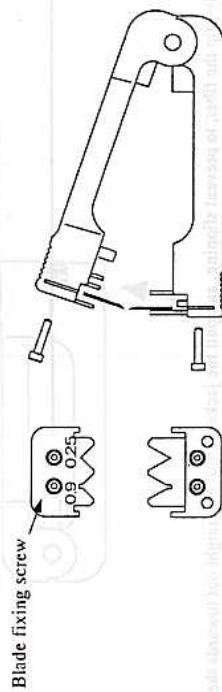
(2) Replacing blades

The blade needs replacing if too much coating residues remain on the remover in spite of cleaning, or glass fiber is snapped.

We recommend that you return the remover to us for blade replacement. Please follow the procedure below if you would like to replace the blade.

<Step 1>

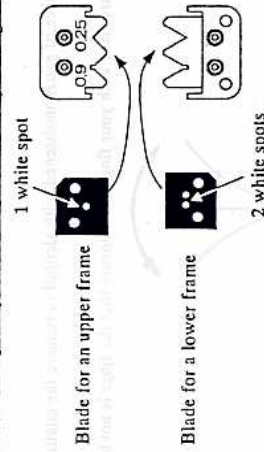
Unscrew the 4 blade fixing screws (M2 hexagon screws) and take out the used blades.



<Step 2>

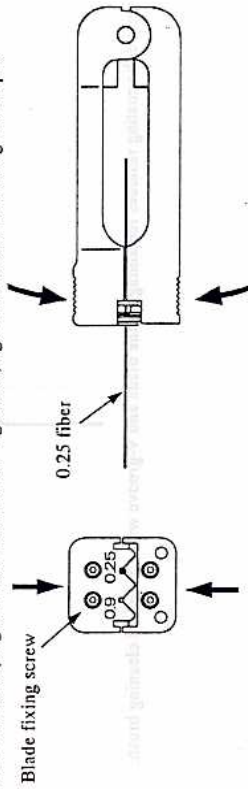
Insert new blades in the upper and lower frames and attach the 4 screws. Do not tighten the screws. Keep them loosened. Blades come in pairs. Be sure to attach the blade to suit the frame. An upper blade has 1 white spot on it and a lower blade has 2 white spots on it. Attach the blades so that the spots can be seen viewed from the front of the remover.

Caution Blade edge is extremely sharp and do not touch it with your fingers.



<Step 3>

Insert the 0.25 fiber in the V-groove for ϕ 0.25mm coating diameter and firmly engage the two frame halves together. While keeping the fiber between the V-grooves, tighten the screw to a 3.5kgfcm torque.



Note: In the case that a torque driver is not available, 1/8 turn past the point where the screw touches the blade will approximate the proper torque.

<Step 4> Fiber coating removal test and fiber bending test

After exchanging blades, test the remover with the remaining fibers.

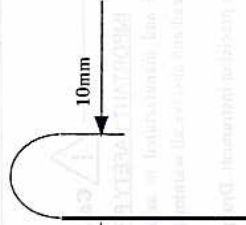
Ensure that fiber coating is removed properly and glass fiber is not snapped if it is bent as illustrated below.

Caution Glass fibers might puncture your finger. Handle with care.

Wear safety glass at all times during removing operation for protection from glass fibers.

Dispose of glass fiber fragments in a proper way.

Glass fiber



5. Technical Support

If technical support is required for this or any other fusion splicing product:

- Call 1-800-358-7378, ask for Fusion Splicer Technical Support at extension 7207.

If any fusion splicing product must be returned:

- Obtain a return authorization number (RS#) from the technical support department and write the number on the shipping container.
- Pack the unit and ship prepaid to:

Sumitomo Electric Lightwave Corp.

Technical Services Dept.

78 Alexander Drive

Research Triangle Park, NC 27709

Attn: RS#

For warranty repairs, there is no charge for repair and return shipping.



SUMITOMO ELECTRIC Lightwave Corp.

78 Alexander Drive, P.O. Box 13445, Research Triangle Park, NC27709

(919)541-8100 or 1-800-358-7378

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