

ETK9926012

**HOT JACKET REMOVER
JR-5
OPERATION MANUAL**

 **SUMITOMO ELECTRIC INDUSTRIES, LTD.**



SAFETY PRECAUTIONS

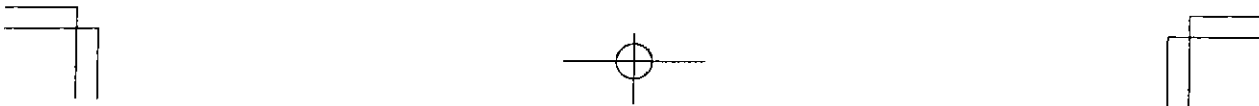
Warnings:

Failure to use the unit in accordance with the following warnings could possibly cause death or serious injury.

- Do NOT get the unit wet or touch the unit with moist hands. Doing so it may cause fire, electric shock or damage to the unit.
- Should any liquid be spilled into the unit, turn off the power using the POWER switch, unplug the AC cord of the AC adaptor from the wall outlet, and leave the unit alone. Consult the Service Division of Sumitomo Electric Industries.
- Do NOT yank, crimp or place heavy objects on the AC cord of the AC adaptor or the DC cord. Use of the unit with the AC power cord or the DC cord damaged (wire exposed or broken) may cause fire, electric shock or damage to the unit.
- Should any abnormality (heat, smoke, smell, or noise) occur, stop using the unit immediately, and consult the Service Division of Sumitomo Electric Industries. Continued use may cause fire, electric shock or damage to the unit.
- Do NOT touch the heated surface or its surroundings during use. This area becomes extremely hot and can cause severe burns.
- Do NOT have the unit taken apart or modified. Doing so may cause fire, electric shock or damage to the unit.
- Operate the unit only with a specified power source (12 V, more than 2 A), including batteries. Failure to do so may cause fire, electric shock or damage to the unit.

Cautions:

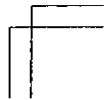
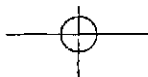
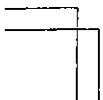
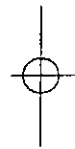
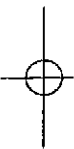
Failure to use the unit in accordance with the following precautions may cause personal injury or damage to the unit or lower its performance.

- Do NOT keep the unit in a damp or dusty location. Doing so may lead to fire, electric shock or damage to the unit.
 - Remove the fiber scraps from the unit carefully, using the supplied brush. NEVER remove the scraps with your fingers, because the tips of the fiber cables and the fiber scraps after the jacket-removing process are very sharp and may puncture the skin.
 - When changing blades, use the blades designated by Sumitomo Electric Industries. Always change a set of two blades at the same time. Attach the blades in the correct positions. Failure to do so may cause a damage to the unit or lower its performance. Exercise caution when handing blades.
 - When disconnecting the AC cord, grip it by the plug. When disconnecting the DC cord from the DC IN jack, grip it by the hard-rubber connector head, not the cord. Do NOT touch it with moist fingers. Doing so may cause fire, electric shock or damage to the unit.
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1. INTRODUCTION

Before operating the JR-5 Hot Jacket Remover, read this operation manual thoroughly. Handle the unit with care, according to the precautions given in "PRECAUTIONS FOR SAFETY." Retain this operation manual for future reference.

2. COMPONENTS

2-1. Standard Components

	Product name	Quantity	Remarks
1	Main Unit	1	
2	Storage Case	1	
3	Brush	1	
4	DC Cord	1	Product name: PC-B cord
5	Operation Manual (this manual)	1	

2-2. Optional Components

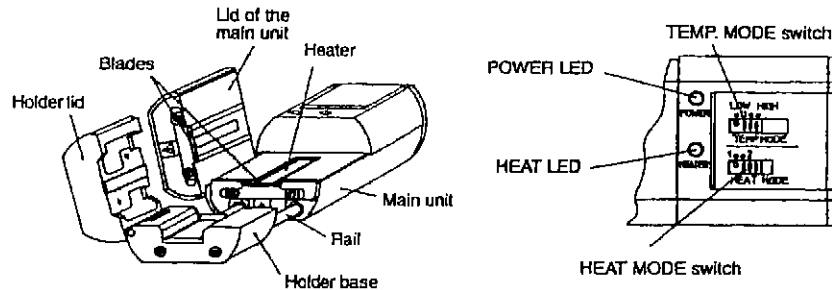
	Product name	Quantity	Remarks
1	Extra blades for the JR-5	1 set	M2 × 8 Hex head screw
2	Single fiber adaptor for the JR-5	1	With special fixing screws
3	AC power adaptor for jacket removers	1	

3. APPLICABLE OPTICAL FIBERS

Number of fiber ribbon : 2-12
 Coating material : UV resin
 Diameter of optical fiber : 125 μ m

Note: By using the single fiber adaptor, removal of single fiber coating (diameters: 0.25, 0.4, 0.5, 0.6, 0.9) becomes possible. When using the adaptor to remove single fiber coatings with diameters of 0.4, 0.5, 0.6 and 0.9 mm, operate the unit with the power OFF.

4. LOCATION OF PARTS



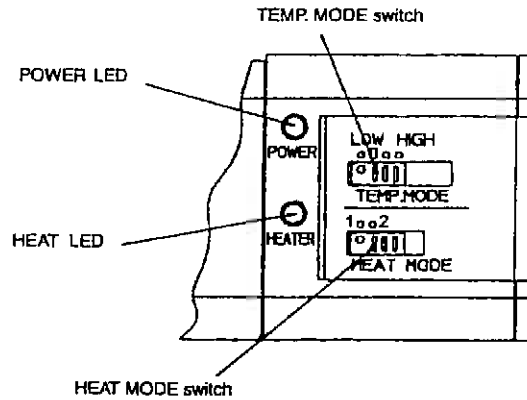
5. TEMPERATURE SELECTION

- (1) The temperature of the heater is selectable with the TEMP. MODE switch.
If the coating cannot be easily removed, raise the temperature. If the coating breaks, lower the temperature.

Note: Differences in coating materials used by different ribbon manufacturers may be the cause if the coating cannot be easily removed or breaks even when the temperature setting is the same.

- (2) The temperature of the heater is lowest with the TEMP. MODE switch set to the leftmost position (LOW), and highest with the switch set to the rightmost position (HIGH). One step of the switch changes the temperature by about 20°C.
- (3) Normally set the switch to the position marked with "□" (about 100°C). (The switch is factory-preset to this position.)

6. MODE SELECTION



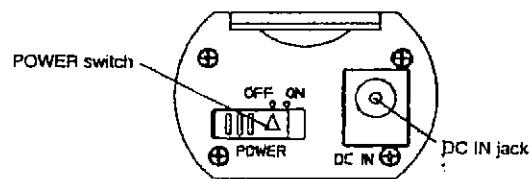
The HEAT MODE switch selects the operation mode of the heater to either ①, NORMAL or ②, POWER SAVE.

- ① (NORMAL): Continuous operation of the unit is enabled. To reduce power consumption, if the HEAT LED remains lit continuously for approximately 15 minutes, the HEAT LED will turn off and heating will stop. Opening and closing of the lid on the main unit will restart heating.
- ② (POWER SAVE): The unit becomes usable only when the lid of the main unit is closed. If the unit is left with the lid closed, approximately 35 seconds after the HEAT LED turns from orange to green, the unit will turn off and heating will stop to save power. Opening and closing of the lid on the main unit will restart heating.

7. HOW TO USE

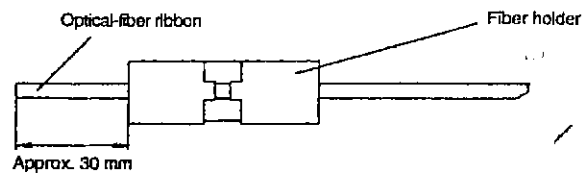
Note: Use a power source of 12V capable of providing more than 2A.

- (1) Connect one plug of the DC cord to the DC IN jack of this unit, then connect the plug at other end of the DC cord to the DC OUT jack of a fusion splicing machine or to other power source.
- (2) Set the POWER switch to the ON position. The POWER LED on the upper side of the unit will light green.

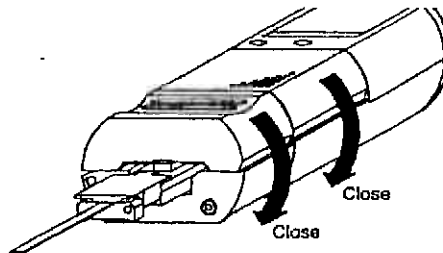


- (3) Place the optical-fiber ribbon in the fiber holder.

Note: Place the ribbon so that about 30 mm of the ribbon protrudes from the fiber holder.

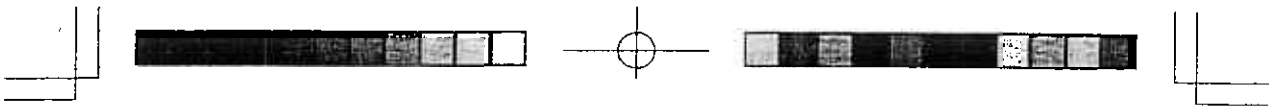


- (4) Slide the holder base toward the main unit. Ensuring that there is no space between the holder base and the main unit, place the prepared fiber holder (Step 3) on the holder base.
- (5) Close the holder lid and the lid of the main unit. When the lid of the main unit is closed the HEAT LED will light orange to indicate the heater is warming up.

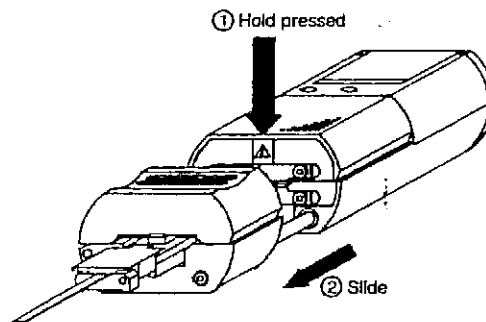



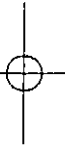
- (6) After a few seconds, the HEAT LED will turn from orange to green indicating the heater is ready.

Note— Orange: Warming Up, Green: Ready

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- (7) Firmly press the lid of the main unit on the part above the upper section of the blades, and be sure that you can feel the blades cutting through the ribbon jacket. With the HEAT LED lit green, hold the lid closed for approximately 5 seconds, then slowly slide the holder base away from the main unit to remove the coating.

Note: Do NOT use this unit for anything other than optical-fiber ribbons. Doing so may damage the blades.



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- (8) Open the holder lid and the lid of the main unit, remove the fiber holder, then remove any fiber scraps with the supplied brush.

Note: After removing fiber scraps, clean the blades (especially the rear side of the blades), the heater, and its surroundings with a piece of gauze or cotton swab moistened with alcohol. Failure to do so may lower the performance of the jacket remover.

- (9) To prepare the unit for packing after using, turn off the power and unplug the DC cord.

Note: In NORMAL mode (1), or in POWER SAVE mode (2), if the unit is left with the lid of the main unit closed for about 35 seconds the HEAT LED will turn off, and the heater will stop heating. Opening and closing of the lid on the main unit will restart heating.



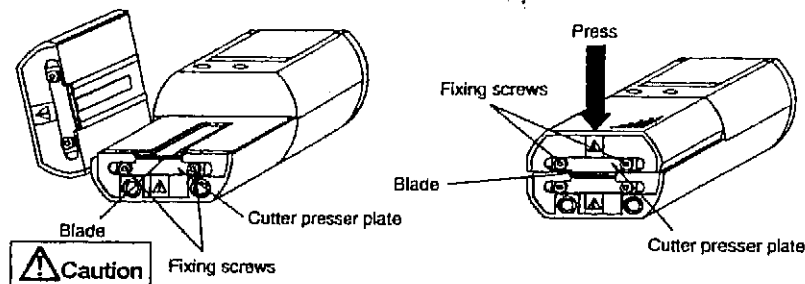
8. CHANGING THE BLADES

Note: (1) Exercise caution when handling blades.

(2) Always change a set of two blades at the same time.

(3) Before changing blades, check that: (a) the POWER switch is set to OFF, (b) the plug of the DC cord is disconnected, and (c) the heater is cold.

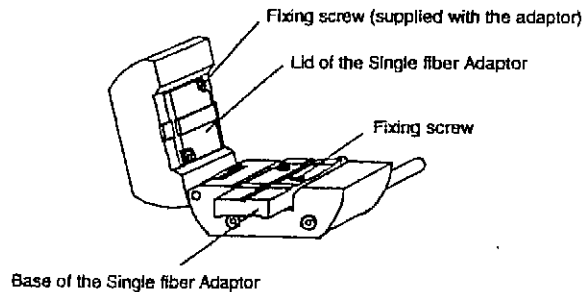
- (1) Loosen the fixing screws of the upper and lower cutter presser plates, then remove the upper and lower blades.
- (2) Attach the lower blade and the lower cutter presser plate, then run in but don't tighten the fixing screws.
- (3) Attach the upper blade and the upper cutter presser plate, close the lid of the main unit and join the upper and lower blades. Keep joining the upper and lower blades, and run in but don't tighten the fixing screws of the upper cutter presser plate.
- (4) Tighten the fixing screws of the upper and lower cutter presser plates.



9. ATTACHING THE SINGLE FIBER ADAPTOR (OPTIONAL)

Note: Before attaching this adaptor, check that the POWER switch is set to OFF and that the plug of the DC cord is disconnected.

- (1) Attach the lid of the Single fiber Adaptor to the holder lid using the fixing screws supplied with the Adaptor.
- (2) Place the base of the Single fiber Adaptor on the holder base, as illustrated, by aligning their ends facing the main unit, and secure the adaptor in place using the fixing screws provided with the base of the Adaptor.



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