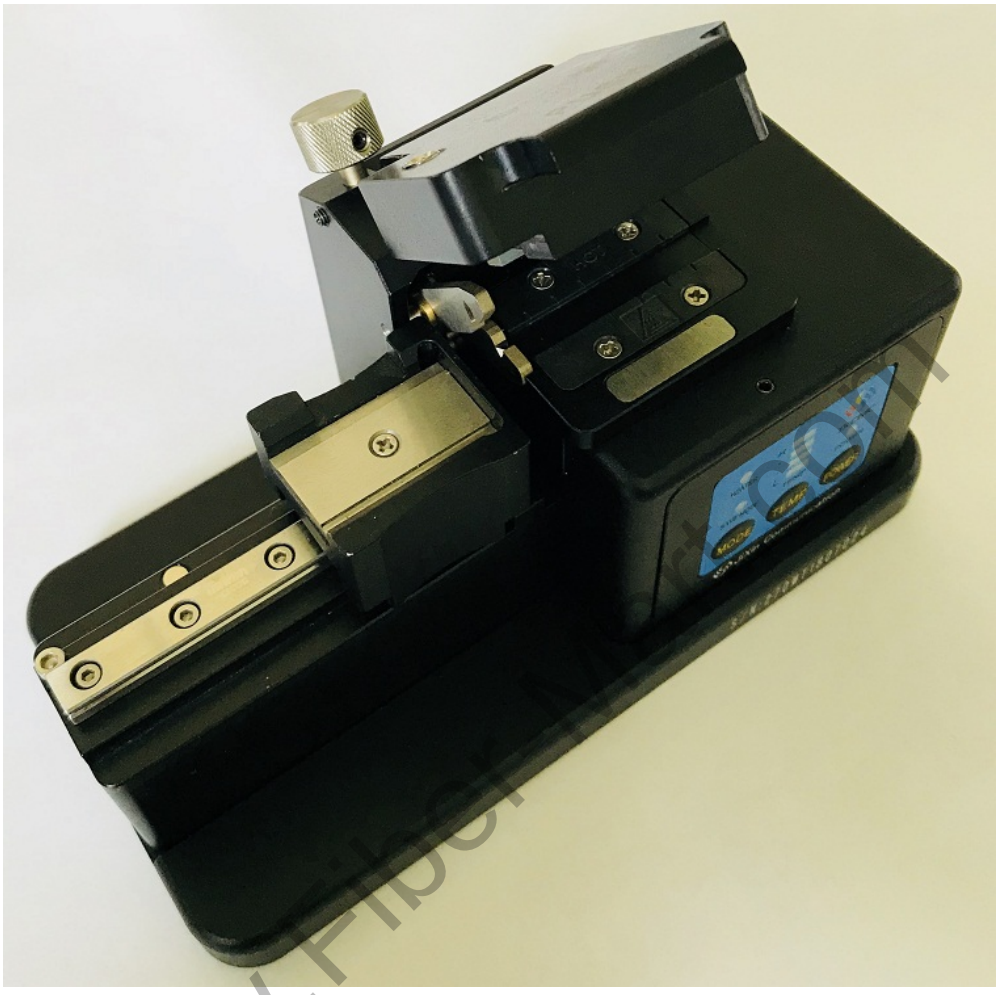
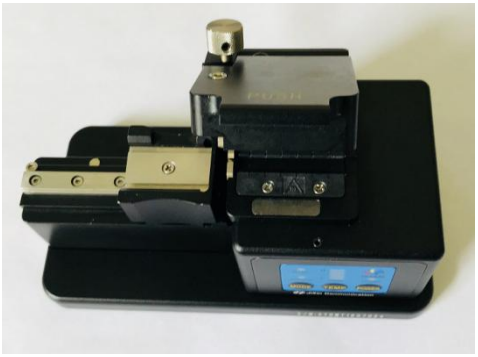
Instruction Manual for 270MT Large-Diameter Optic Fiber Manual Thermal Stripping Device



- **Description:**Large-Diameter Optic Fiber Thermal Stripping Device
- **Model:270MT**



■ **Safety precautions:**

Our company attaches great importance to safety factors in product design; however, improper operation may lead to personal injury accidents. In order to prevent accidents, please use this product safely, and be sure to observe the following:

■ **Warning sign:**

This product has a sign as below, please read the content carefully.

	This sign means "Caution" (including danger and warning). The sign on this product and in the instruction manual means great attention must be paid to heating for prevention of burns.

■ Please read the warnings and precautions carefully before use

1. Preface

First of all, thank you for purchasing and using our company's SM-270MT large-diameter optical fiber manual thermal stripping device. This device is a thermal stripping equipment specially designed for stripping of optical fibers with various core diameters. This product is easy to use for vertical stripping, adopts high-precision guide rail, featuring high fiber-stripping quality; the cutter also employing a unique guiding bevel design for thick fibers, is durable and easy to replace and adjust; this equipment can be set with different heating temperatures, according to fiber with different diameters. , the stripped fiber can be cut, tested and spliced directly. Please read the instruction manual carefully before using this product.

2.Product introduction

◆ **Main technical parameters**

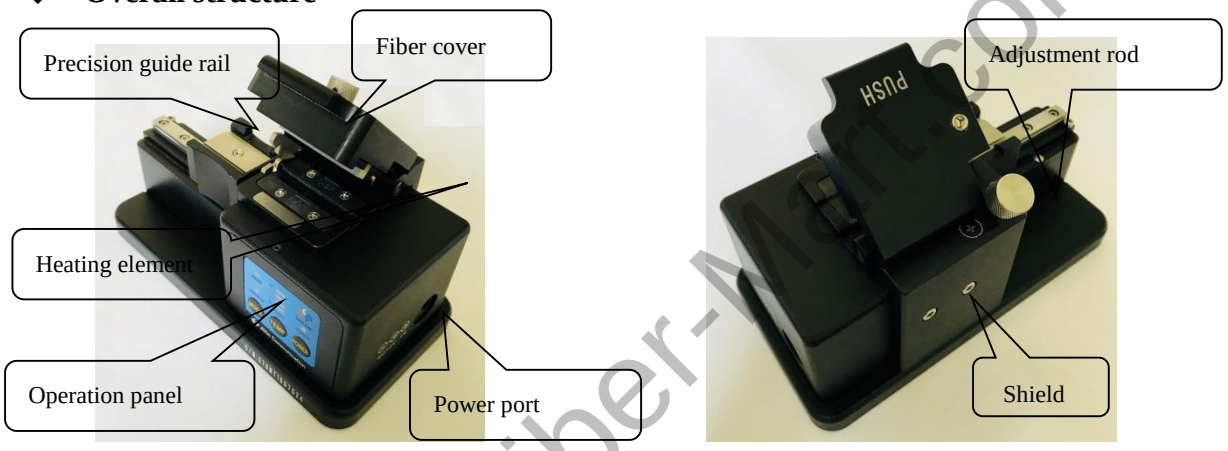
Parameters for Large-Diameter Optic Fiber Thermal Stripping Device	
Cladding of fiber diameter	80μm-800μm
Coating of fiber diameter	160μm-1000μm
Maximum stripped length	≤35MM
Heating temperature	80-120℃ adjustable
Fiber stripping method	manual
Fixture	Specialized fixture (for fiber with different diameters, the fixture is also required to be replaced)
Power source	DC12V2A
Dimensions	148（L）x76(D) x 81(H) mm
Weight	About 1KG
Environmental requirements	Temperature＜ 50℃，humidity＜85％

◆ **Standard configuration**

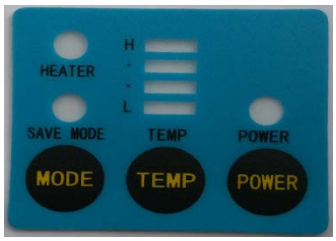
Items	Model	Quantity
Large-diameter optic fiber thermal stripping device	270MT	1
Power source adaptor	DC12V2A	1
Specialized fixture		1
Instruction manual		1

3.Basic structure

◆ **Overall structure**



◆ **Operation panel(side)**



1.POWER

Used to turn on and off the power of the device, turn on: press and hold the "POWER" button for about 1 second, then release it to see the power indicator light; power off: press and hold the "POWER" button for 2-3 seconds and then release it to see the power indicator light turned off.

2.TEMP

Used to adjust the heating temperature. The four panes corresponding to the "TEMP" key on the operation panel of the equipment are 80℃-120℃ from bottom to top, and the temperature is adjustable. When the red light is on, the temperature setting is meant to be successful, the default temperature is 90℃; users can choose the temperature according to actual needs.

3.MODE

3.1Normal mode: This mode means after power on, the heating element keeps heating, can work continuously, and also shorten the heating time til the power is turned off.

3.2 Power saving mode: This mode means to start heating after closed the fiber cover, when the fiber cover is opened, the heating stopped.

4.HEATER：

Heating status: When the heating indicator is red, the heating element is heating. When the indicator turns green, the temperature of the heating element has reached the set temperature, and you can strip the optical fiber.

4. Operation method

1. Connect both ends of the power adaptor to the AC220V power supply and the hot stripper power interface;

2. Put the required length of optical fiber into the special fixture; then put the fixture with the installed optical fiber on the fixture pad;

3. Turn on the power of the thermal stripper, that is, press the power button for about 1 second, till the power indicator light is on;

4. Adjust the temperature key to the appropriate gear;

5.Close the fiber cover of the thermal stripper and keep it pressed;

6. Wait for the heating indicator to reach the preset temperature, that is, the indicator turns green; press the fixture with the left hand to evenly pull the left part away;

8. Take out the fixture together with the optical fiber, open the fiber cover to remove the stripped coating layer;

9. Clean the optical fiber in the direction of the arrow with gauze soaked in alcohol with a purity above 99%;

11. Press and hold the "Power" button for 2-3 seconds and then release it, the power indicator will go off, turn off the power, and unplug the power adaptor.

★Do not reuse the used gauze; be careful not to hurt your fingers with the tip of the fiber.

Special note: The machine will automatically shut down if it is not used continuously for more than 20 minutes, and required to be restarted when it is used again.

5. Maintenance and cutter replacement

◆Daily maintenance

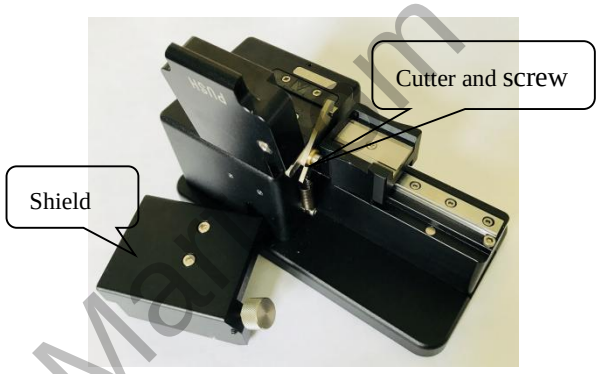
For this device to function normally, it must be cleaned and maintained before and after use. Please adopt a cotton swab saturated with ethanol alcohol of more than 99% purity to clean the cutter, heating element and rubber parts; the same method also applies to the cleaning of fixture and slots of the host.

◆Cutter replacement

The cutters are consumables and required to be replaced frequently; they are also very sharp, cautions must be taken while operating. To ensure safety while replacing, please confirm the host must be in the following state:

1. The power is off;
2. The heating element is in a cooling state (please wait for more than 3 minutes after the power is turned off)

Note: Please replace the top and bottom cutters at the same time, no difference between the top and bottom ones.



◆Cutter replacement steps:

1. Remove the shield with a hexagonal wrench;
2. Adopt an Allen wrench to unscrew the screws that fixed the cutter, and remove the cutter and the spring on the cutter;
3. Install the spring on the new cutter, then install the cutters onto the machine with screws and tighten them. Attention must be attached to the positions of the cutters;
4. Install the shield with hexagonal screws;
5. Trial stripping the optical fiber to observe the effect,if the requirement is not met, adjust the gap between the cutters with the adjustment rod till the fiber stripped is qualified.

Thanks for reading this manual carefully and completely!
Wish your company have a more and more prosperous future!