Single-core Optical Fiber Thermal Stripper
Operating Manual

Figure 1

Safety precautions

This product has been designed and manufactured to assure personal safety.Improper use can result in body injury and serious damage to the thermal stripper,please read and observe all instructions given in this operation manual.

● Warning sign, this product has signs as below, please read carefully and understand it.

Warning sign

	Requires 「attention」(including danger, warning) the sign on the product and the instruction manual requires attention, means danger, warning

● P**lease read carefully before use warnings and precautions**

1.Preface

Thank you very much for purchasing the single-core thermal stripper produced by our company. The product with compact and light-weight design, easy to operate and reliable. Through vertical stripping, the applied force is light and stripping quality high. The blade is durable and easy to replace. Adopt guide groove and thermal stripping way to ensure no damage to the fiber, featuring easy and fast way to remove the coating layer. Please read the instruction manual carefully before use, and store the manual near this product to facilitate reading.

2.Introduction

◆Product specifications and main technical parameters

Main technical parameters	
Stripped Length	Max. 30mm
Heating Mode	Normal mode
	Power-saving mode
Temperature Setting	Four Temp.: 80℃,100℃,120℃,130℃
Power Supply	DC 12V2A
Dimensions	92.5(L) X 46(D) X 31.5(H) mm
Weight	260g
Environmental requirements	Humidity below 85%

◆ Applicable fiber

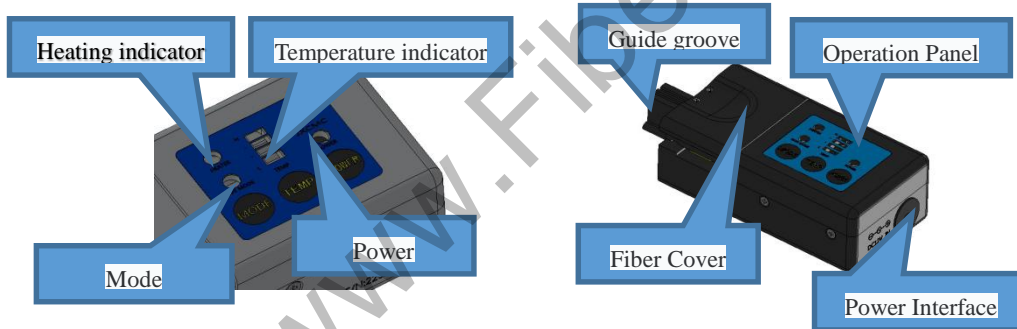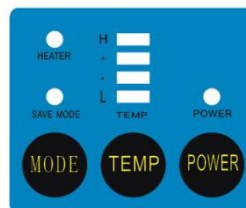| Applicable Fiber	
Fiber type	Silica fiber
Coating material	UV hardened resin
Fiber- and coating thickness	≤0.9mm
Fiber diameter	80-400μm

◆ Standard configuration

Items	Model	Quantity
Single-core fiber thermal stripper	SM-240	1
Blade(installed)	SM-2C	2
Power adapter	AC220/DC12	1
Operating Manual		1

3.Structure

◆Overall structure is as Figure3 shown

Heating indicator Temperature indicator Guide groove Operation Panel

Mode Power Fiber Cover Power Interface

◆Function Keys:

1.Power

Press the "Power" button for 1 second, then release, the power indicator is on; press and hold "Power" button 2-3 seconds, then release,the power light is off.

2.Temp

Temperature control for heating, the product control panel on the "temperature" button corresponding to 60 ℃, 80 ℃, 100 ℃ and 120 ℃ from the bottom up. When the red light is on, it means the temperature set successfully. Default temperature is 100 ℃, when the power is on. The temperature increments, when press "temp" on the control panel each time.When the temperature reaches 130 ℃, press "temp" ,the temperature returns to 80 ℃.

3.Mode

The device has two modes：

1> Normal mode　　After power on, the heating element keeps the heating state, is able to work, constantly, and shorten the heating time til the power is off.

2> Power-saving mode　　After fiber cover is closed, heating starts; when the fiber cover is opened, the heating stops.

The default mode is power-saving mode, after the power is on. Clicking the Mode on the control panel switches between two modes.
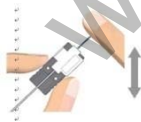
4.Heating indicator：

Heating status When the indicator is red, the device is in heating state, when the light turns green, the heating temperature has reached the set temperature, then you can start to strip the fiber.

4.Power supply

Adopt DC12V2A power adaptor

5.Operation steps

1) Connect the power adaptor to both ends of the AC220V power and thermal stripper power interface.

2) Put the stripping length of fiber as required into the guide groove.

3) Close the fiber cover of the thermal stripper；

4) Wait till the heating indicator turns green, when the temperature reaches the preset temperature；

5) Fiber stripping: press the fiber cover with the right hand, pull till fiber is stripped with the left hand;

6) Open the fiber cover, remove the stripped coating layer;

7) Adopt a gauze soaked in alcohol with purity of more than 99% to clean the fiber in the direction of the arrow as the illustration shows；

8) Press "Power" then release, the power light is off, turn off and unplug the power adaptor。
★Please do not employ the used gauze; be careful not to prick your fingers by the fiber end.

Note: The device would shut down automatically, when not used over 5 minutes, if requires to be used, please re-set the parameters after power on.

6.Maintenance

◆Daily cleaning

In order to ensure the normal functioning of this product, cleaning and maintenance must be done before and after use, please clean the blade, adopting a cotton swab soaked in ethanol alcohol with a purity over 99% to clean the blade, heating element and rubber part, coating-layer debris attached to the blade, heating element and rubber part is the cause of damage to the stripping function of the thermal stripper.
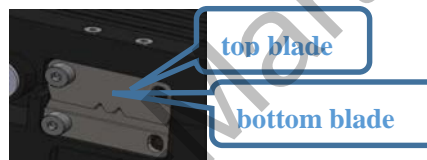
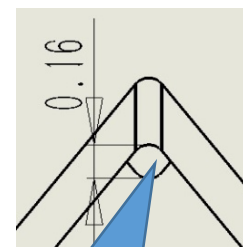| ⚠	1.Blade, heating plate and the rubber coating layer attached to the Ministry of slag is damage to the SM-240trip functions reasons.
	2.When cleaning, use 99% ethanol alcohol. If alcohol is easy to make the blade lower purity rust, rubber deterioration.

◆Blade replacement

Blade is very sharp, safety must be ensured in replacement. Before replacement, the device must be confirmed in the following status:

1.Power off；

2.Heating element is in cooled state (after power is turned off, please wait 3 minutes or more)**Note: Please replace top and bottom blades at the same time, no difference between the top and bottom blades**

◆Blade replacement and adjustment:

top blade

bottom blade

1. Disassemble the fiber guide groove and remove the top and down blades, in turn；

2. Install the bottom blade in the right direction, tighten a little bit the blade screws;

3. Install the top blade in the right direction, the use of screws, the blade belly of the top blade must be aligned with the bottom blade, leaving a certain gap between the two blade bellies, then tighten a little bit the blade screws;

4. Closing fiber cover , make sure no obvious dislocation between the top and bottom bellies, tighten the bottom blade screws；

5.Close the fiber cover tightly without any gap, adjust the top blade through adjustment of screws to make sure the blade gap appropriate(as the illustration on the right shows),   then align the top and bottom blades, finally tighten the blade screws；

6.Trial-strip a fiber after power on the device, then observe the stripping effect, if the effect is not satisfactory, loosen the top blade screws slightly, repeat step 5, till the required effect is reached.

0.16

Theoretical value of the blade belly gap

Thank you for carefully reading the instructions completely!
Wish your company more and more prosperous!