

Optical Fiber Thermal Buffer Stripper

OPERATION INSTRUCTIONS

The following operation instructions are intended to be used with the following Signamax products:

OFTBS-1

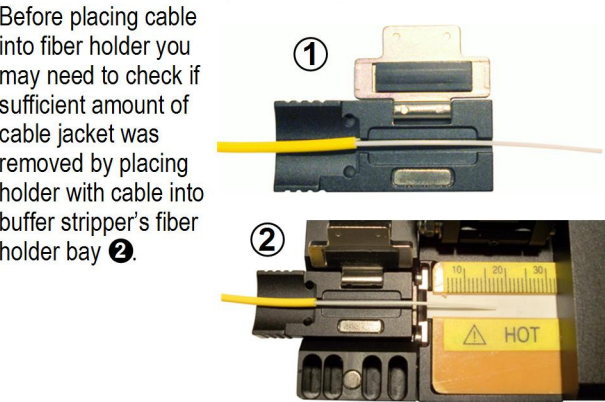
NOTES:

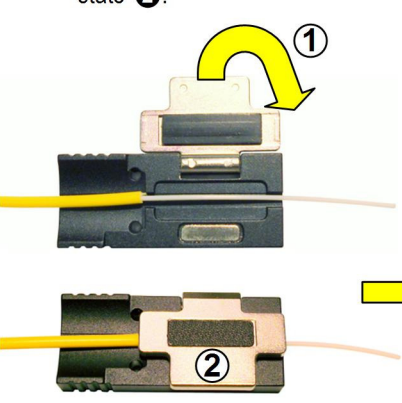
Pictures of the products shown in these instructions used for example purposes only; actual products may be different in dimensions, design details, and color.

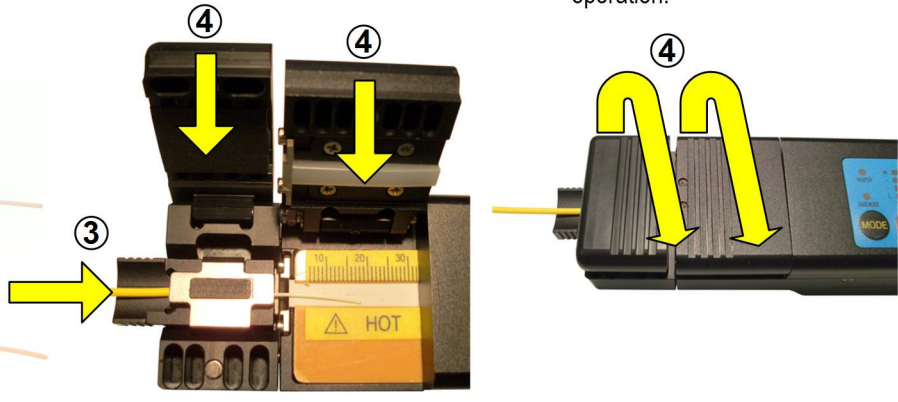
- 1** Make sure you have all necessary tools and accessories for this job:
1. Optical fiber cable preparation tools (Signamax OFTTK-1 tool kit is recommended)
 2. Optical fiber thermal buffer stripper (OFTBS-1)
 3. Optical fiber holder(s), the following options available:
OFTFH-1: 1-fiber capacity OFTFH-4: 4-fiber capacity
OFTFH-8: 8-fiber capacity OFTFH-12: 12-fiber capacity
 5. Optical fiber cleaning swabs and wipes
 6. Isopropyl alcohol or other optical fiber cleaning agent
 7. Safety glasses

- 2 SAFETY RULES**
- There should be no food and beverages at the work area.
 - Wear safety glasses to protect the eyes from fiber debris.
 - Do not touch with your fingers hot parts of the thermal stripper.
 - Collect and dispose of fiber scraps and debris properly.
 - Do not touch your eyes while working with fiber.
 - Never look directly into the end of fiber cables if not sure there is no active source at the other end.
 - Properly clean the work area when you are done.

- 3** Prepare the buffer stripper:
- Choose fiber holder suitable for the job
 - Open stripper and fiber holder covers and clean surfaces indicated below using cleaning wipes or swabs soaked with isopropyl alcohol.
- DO NOT clean buffer stripper when its power is ON.
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- 4** Prepare optical fiber cable for the type of termination procedure you are going to use.
- Open fiber holder's cover and place prepared cable into fiber holder aligning it with the groove **1**.
- Before placing cable into fiber holder you may need to check if sufficient amount of cable jacket was removed by placing holder with cable into buffer stripper's fiber holder bay **2**.
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- 5** Close fiber holder's cover **1**. Cover is equipped with magnetic lock and will be fixed in its closed state **2**.
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- Place fiber holder into buffer stripper's fiber holder bay **3**. It will be magnetically fixed in its place.
- Close fiber holder bay's and heater pad's covers **4**. Buffer stripper is ready for operation.
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Optical Fiber Thermal Buffer Stripper

6 **1** Switch power on, two powering options available:

- external power adapter (connect adapter's cord to socket **8** located on buffer stripper's right end);
- internal lithium battery (indicator **9**: red - charging, green - charged).

Operation mode can be combined with battery charging.

2 Power indicator turns red in operation mode.

3 Set heater's temperature (determine value empirically):

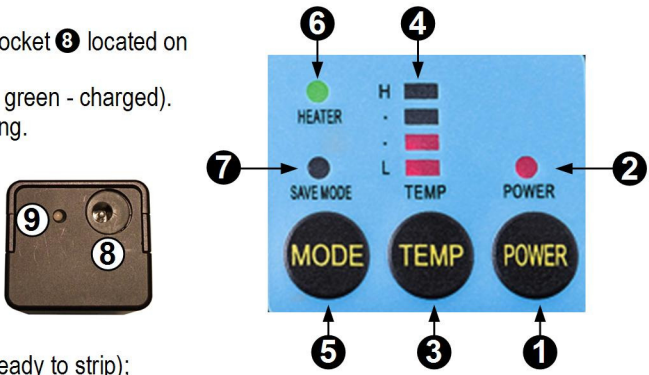
- 1 bar 70 °C (158 °F)
- 2 bars 90 °C (164 °F)
- 3 bars 110 °C (230 °F)
- 4 bars 130 °C (266 °F)

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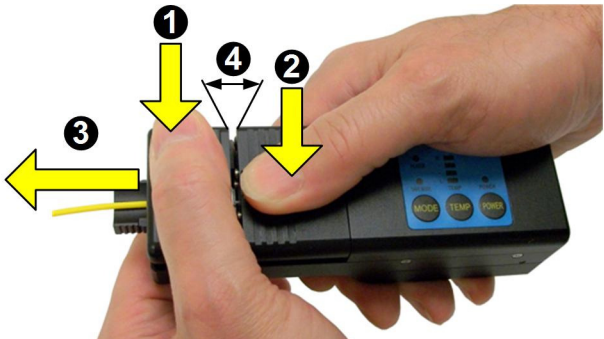
5 Select heater's operation mode:

6 - HEATER: normal operation - red (heating up), green (ready to strip);

7 - SAVE: power-saving mode (after 5 minutes of non-use stripper automatically switches off in both modes).

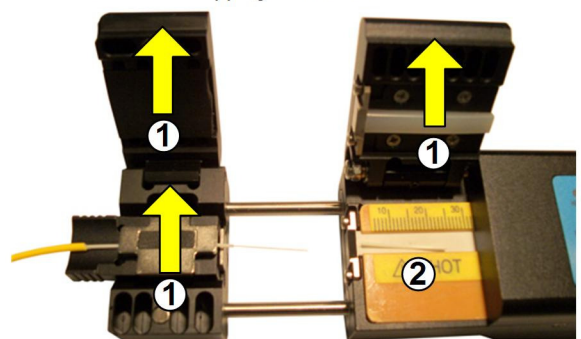


7 When heater indicator turns green (ready to strip), press fiber holder bay's **1** and heater's **2** covers firmly with your thumbs, then pull fiber holder bay slowly and steadily in one smooth movement **3**. For mid-span (window) stripping, stop pulling at distance equal to window width **3**.



This operation may require some training in order to determine force that should be applied to heater's cover. Excessive force may break fiber, weak grip may result in poor stripping.

8 Open all covers **1**. Remove stripped fiber, visually inspect it for coating residue, and clean using cleaning wipes or swabs soaked with isopropyl alcohol. Fiber buffer stripping is finished.

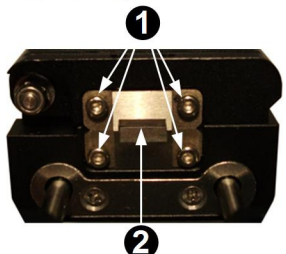


Remove buffer scraps **2** from heater using brush supplied with stripper (DO NOT use brushes with synthetic bristle, it can melt upon contact with heater's surface and make heater unusable). After use, clean all stripper's working areas using cleaning wipes or swabs soaked with isopropyl alcohol.

STRIPPING BLADES REPLACEMENT

After long-term use, stripping blades may become blunt and require replacement.

- Switch stripper off and wait 3 minutes to let heater cool down.
- Using hex wrench, unscrew four screws **1** and remove old blades.
- Install new blades and tighten screws leaving blades some degree of movement.
- Close heater's cover and make sure there is no gap between two blades **2**.
- Tighten screws completely starting with lower blade.
- Make trial stripping to check blades' alignment.



BATTERY CHARGING AND MAINTENANCE

To charge battery, connect external power adapter supplied with buffer stripper to wall outlet and to socket **1** located on stripper's right end.

First-time use, charge battery for at least 10 hours.

Regular charge time is about 3-4 hours.

When battery is charging, LED indicator **2** turns red, after battery is fully charged it turns green.

When battery requires replacement, unscrew screw **3** located on stripper's right end, open cover, disconnect and remove old battery, install new one, replace cover and fix it with screw.

