

## COATING REMOVAL TOOLING AND PROCEDURE AcoustiSens® Single-Mode Acoustic Sensor Fiber

Procedure Applies to AcoustiSens Fibers  
GS86545 · GS80935 · GS84362 · GS82628

### Parts Needed for Soft Strip Tool from Micro-Strip:

Fiber Guide P/N MS1-RT-10 · Blades P/N MS1-RB-06S

<http://micro-strip.com/replacement-parts.html>

### Heated Tool Parts:

Soft Strip Tool P/N MS-4T-E · AC Adapter P/N MS-T3

<http://micro-strip.com/thermal.html> · <http://micro-strip.com/accessories.html>

### MS-4T-E (Soft Strip - AC Adapter Powered)

#### A. Handle Assembly

Battery or AC adapter operated, 4 ft. wire leads are connected to either a 6V battery or AC adapter.

#### H. Spring Assembly

Keeps handles apart. In later models, also ejects scrap from heater oven.

#### G. Heater Oven

Heats and softens material to be stripped. Activated when handles are closed. Accommodates up to 2" maximum strip length.

#### F. Strip Length Guide

Callibrated in 1 mm increments for desired strip lengths.

#### B. Cutter Blade Set (P/N MS1-RB-06S)

Selected for each ribbon or fiber size. Opposing blades self align around fiber guide to assure concentric scoring and precision-stripped, nick free fiber. Blades travel in a straight line to assure proper alignment. Color coded to match fiber guide lock.

#### C. Fiber Guide Lock

Holds the fiber securely in position. Color coded to match the cutter blade set.

#### D. Stripping Force

Applied longitudinally with the fiber. The chance for harmful drag against the blade is virtually eliminated, even with operator inattention or fatigue

#### E. Fiber Guide (MS1-RT-10)

Selected for each nominal diameter or unstripped fiber, wire, or ribbon. Wrong size will not fit, assuring that the fiber is properly stripped, and not nicked or damaged.

**NOTE:** AC Adapter sold separately.



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The diagram illustrates the tool assembly and disassembly process. It shows a main tool body with a fiber guide and a fiber guide lock. A fiber guide is inserted into the tool, and a fiber guide lock is placed over it. Replacement blades are shown being inserted into the tool. A push tool is used to push out the back side of the tool. A blade removal end is shown being used to remove the blades. A fiber guide lock removal guide is also shown.

**REPLACEMENT BLADES**

**RECESS MARKS THIS SIDE**

**FIBER GUIDE LOCK**

**BLADE REMOVAL END**

**PUSH OUT BACK SIDE**

**FIBER GUIDE**

**FIBER GUIDE LOCK REMOVAL GUIDE**

**To remove installed blades:**

1. Using flat end of push tool, remove fiber guide lock by pushing out from the back side of tool head.
2. Remove fiber guide from tool.
3. Using prong end of push tool in small holes on back side of tool head, eject blade set.

**IMPORTANT! Do not remove cutter blades while fiber guide is still in tool.**

**To install new blades:**  
*(Furnished in a matched set for blade precision. Snap apart before installation.)*

1. Install with "ears" pointing toward top of tool and recess marks visible. Push firmly with flat end of push tool until both blades are seated.
2. Insert fiber guide through hole in top of tool until it stops.
3. Insert fiber guide lock through slot in front of tool head.

### Details of the Strip Method to Remove the Fiber Coating

1. Close the handles for 30 seconds to pre-heat the tool prior to using on fiber coating.
2. Insert optical coated fiber through the tool's fiber guide and into the heater section to 2"/50.8 mm length indicator making sure the fiber does not bow out of the heating channel.
3. Close the tool's handle to:
  - Engage the blades
  - Activate the heater
4. Keep handles closed for 30 seconds to allow heat to soften the coating. With the handles still closed, slowly withdraw (straight out - do not bend fiber) the fiber from the strip tool.
5. Remove the stripped material from the heating channel.