



## EPILOG LASER

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### Cleaning the Encoder strip on the Mini/Helix/FiberMark Laser Engraver

#### About the safety messages used in this document

Throughout this document, certain items are labeled Note, Safety Glasses, Caution, Warning or Danger. These terms alert you to precautions that may result in damage to your engraving system or a risk to your personal safety. Read and follow them carefully.



**WARNING ELECTRICAL HAZARD:** This symbol indicates a potentially hazardous electrical situation which, if not avoided, could result in Death or Serious personal injury.



**SAFETY GLASSES** indicate a direct hazardous situation which, if Safety glasses are not worn may result in eye injury or permanent loss of vision.

**NOTE:** A 'Note' is not necessarily safety related but indicates a recommendation or special point of information that could assist in understanding the use or care of a

#### Procedure:

#### Tools Needed:

Phillips Screw Driver  
Warm Soapy water  
Q-Tips or a soft rag

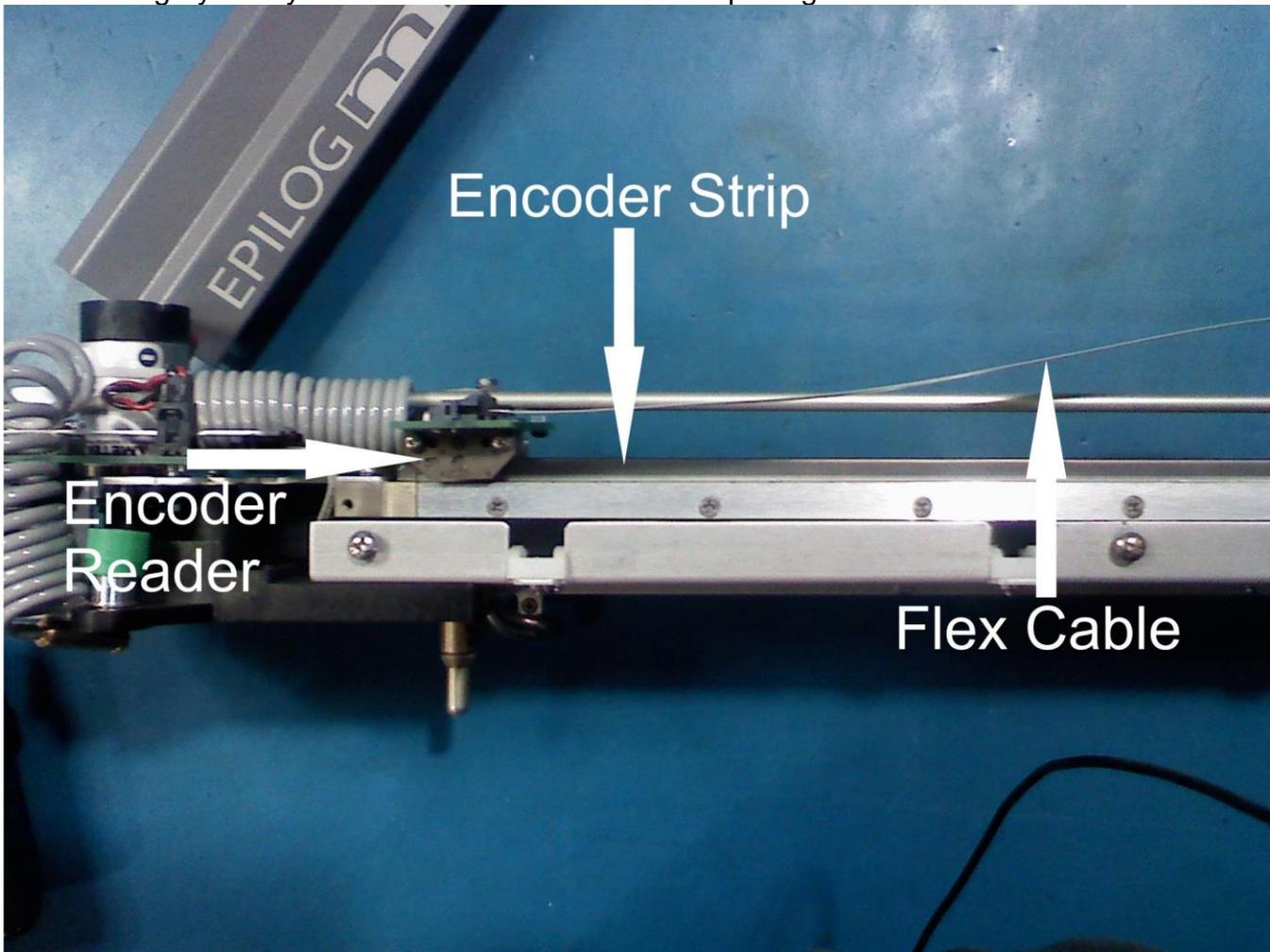
**NOTE: DO NOT** use anything abrasive such as 409, Bleach, Gasoline, Windex, Alcohol etc....



1. **WARNING ELECTRICAL HAZARD:** Turn off the power to the machine and disconnect the machine from its power source.
2. Lift the top cover of the engraver to gain access to the X-Axis I-Beam.



3. **SAFETY GLASSES:** Safety glasses should be put on now and worn throughout the remainder of this procedure.
4. There are two screws located on the front of the X-axis cover. These need only to be loosened.
5. There are 4-5 screws located on the back of the X-axis cover. These also need to only be loosened.
6. The gray/blue/yellow cover will now come off exposing the inside of the X-Axis I-Beam.



7. Inside is the encoder strip. The strip is clear and runs almost the complete length of the I-Beam and is underneath the green computer board that moves left to right. The encoder strip is 18" or 24 "inches long and is about as thick as 4 pieces of paper. It is clear in color making hard to locate. There are some black lines on it like a bar code.
8. **NOTE:** *An easy way to locate it is to push the I-Beam to the back and then get eye level with it. Then locating it should be easier.*
9. Wipe both sides of the clear strip encoder with the Q-Tip and the warm soapy water.

Be sure to focus on the top half of the black tinted area of the encoder strip as the machine only reads a small line somewhere near the top of the encoder strip.

Note: if you put the q-tip at the bottom of the encoder strip it will miss the area that needs to be cleaned. Also be sure to clean the encoder strip until the q-tips come off clean and dry it very well with dry q-tips before proceeding.

10. Replace the gray/blue/yellow cover and tighten the Phillips head screws.

11. Reconnect the machine to its power source and power up the machine.

12. This completes the Cleaning the Encoder Strip technical Note.

If you have any questions, contact Epilog Technical Support at the following:

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