



TS-1000	How to Adjust Print Head Tension	Document Owner: Service Department	Effective Date: APR-14-2020	Page 1 of 4
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Purpose

This document provides the steps required to adjust the print head tension on the Sci-Print VX2 or VXL. If you are experiencing creases on your labels, or the print on the label is drifting, you may need to adjust the print head tension.

Required Material and Equipment

N/A

Intended Audience

End users of the Sci-Print VX2/VXL

Prerequisites

Labels are creasing
Label print is drifting

Procedure

1. Home the unit.
2. Turn off the air to the unit.
3. Remove the tray by pressing the metal release clip on the tray airline, and gently lift the tray out of the unit.
4. Open the print head.
5. Remove the ribbon from the travel path.
6. Close the print head.
7. Remove the provided Allen tool (2.5mm) from the top of the print head assembly.

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Figure 1.

8. Release the upper red print tension finger by loosening the set screw.
9. Move the upper red tension finger to the top of the stainless steel bar it is attached to.

Note: This should line the tension fingers up to the holes at the top and bottom of the stainless bar

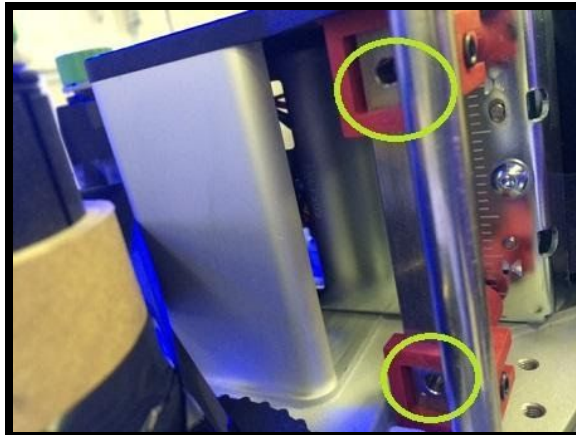


Figure 2.

10. Put the Allen wrench through the holes and adjust the set screws inside.

Note: The metal fin begins to move towards the print head turning clockwise and away when turning counter-clockwise.

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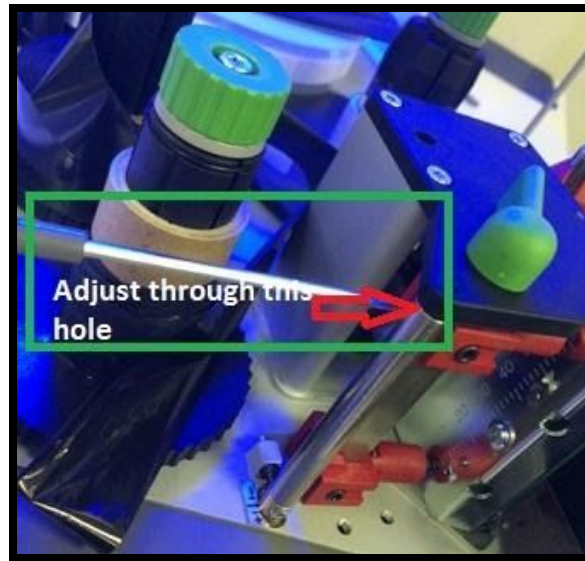


Figure 3.

11. Adjust until the metal fin is aligned to the following position.

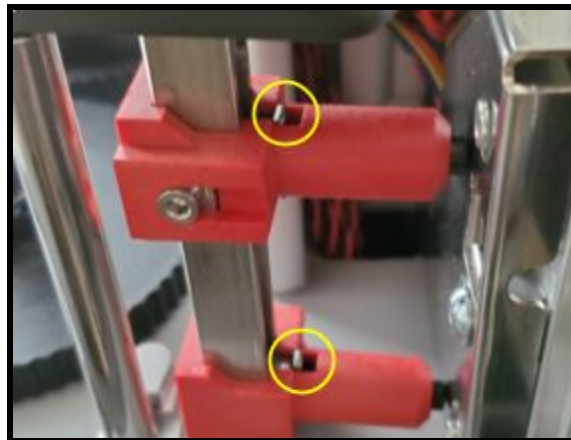


Figure 4.



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12. Repeat the same process to the tension finger on the bottom of the stainless bar.
13. Move the top finger so it is *above* the top of the ribbon

Note: The higher the upper finger is, the more distributed the pressure on the print head becomes. Optimal positioning of this finger may need to be determined empirically.

14. Tighten both set screws attaching the red fingers to the stainless bar.
15. Open the print head.
16. Replace the ribbon.
17. Close the print head.
18. Replace the tray.
19. Turn the air back on.
20. Print sample labels until the print is consistent.

If you need additional assistance, please call our service department at 314-298-9800 or email service@scinomix.com.

Definitions

N/A

Revision History

Version:	Change:	Effective Date:	Approved by:
A	NEW	APR-14-2020	B. Petti