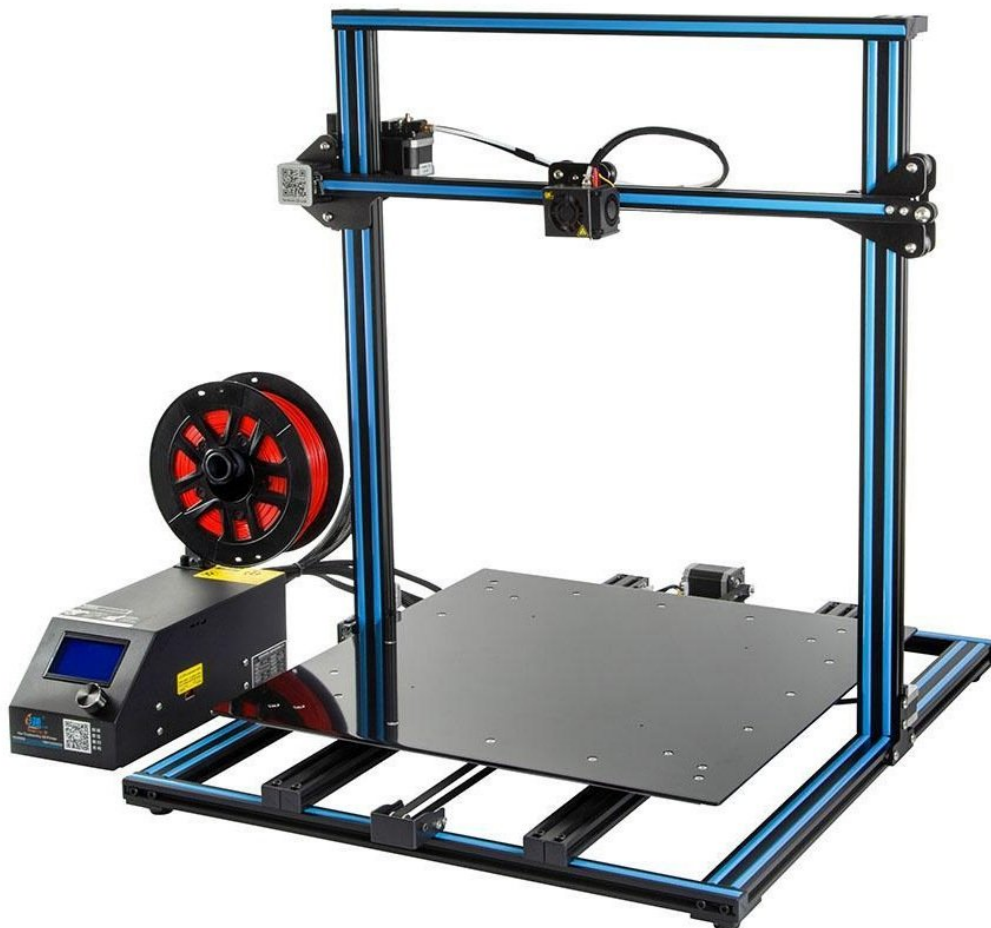




Insufficient Amount of Filament at the End of Print (Bowden Printers)

This guide will show you how to edit your printer settings in order to ensure your printer uses enough filament to complete your prints!

Written By: Hana

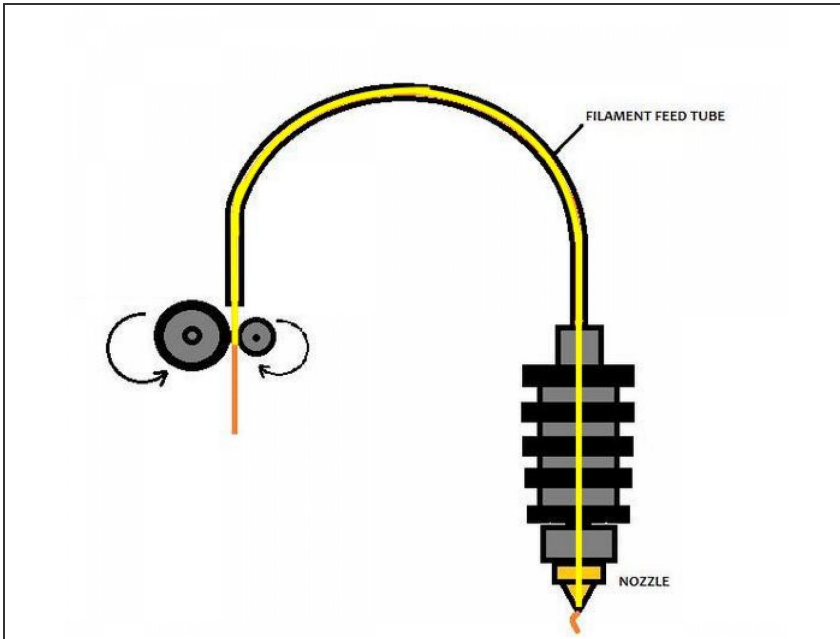


INTRODUCTION

In this guide you will learn how to:

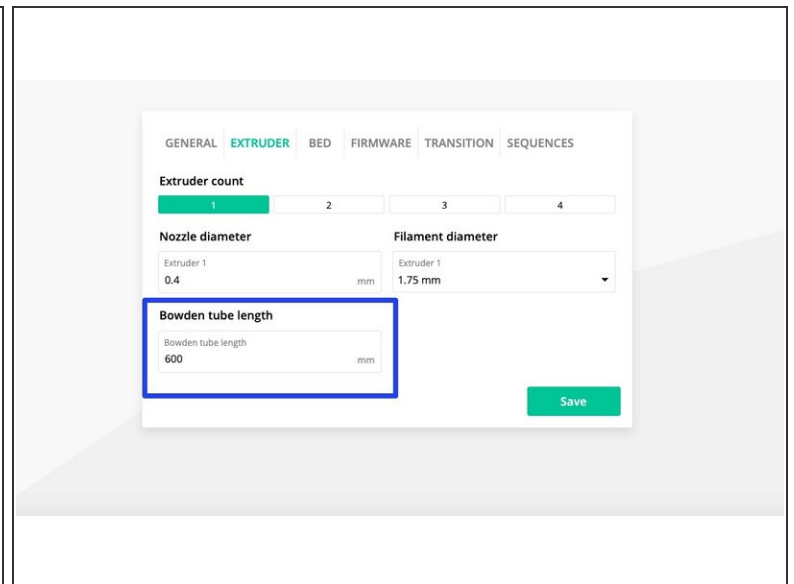
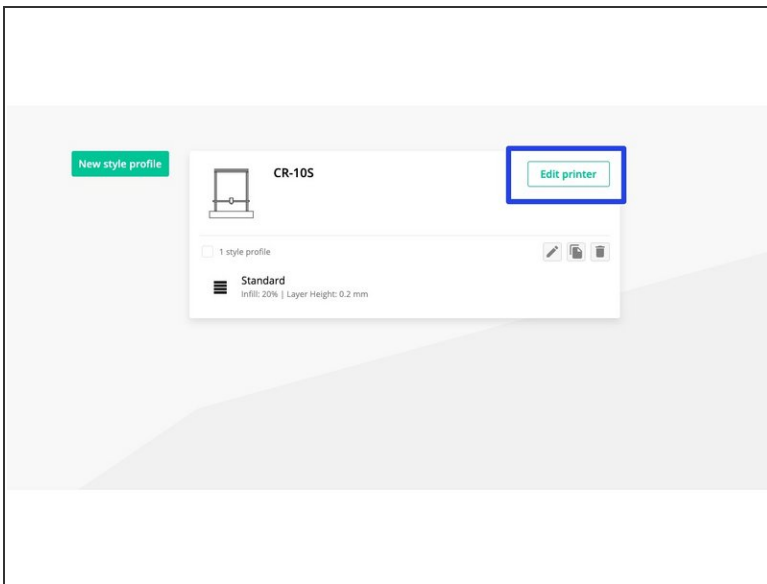
- Troubleshoot filament length problems for Bowden printers

Step 1 — Insufficient Amount of Filament at the End of Print (Bowden Printers)



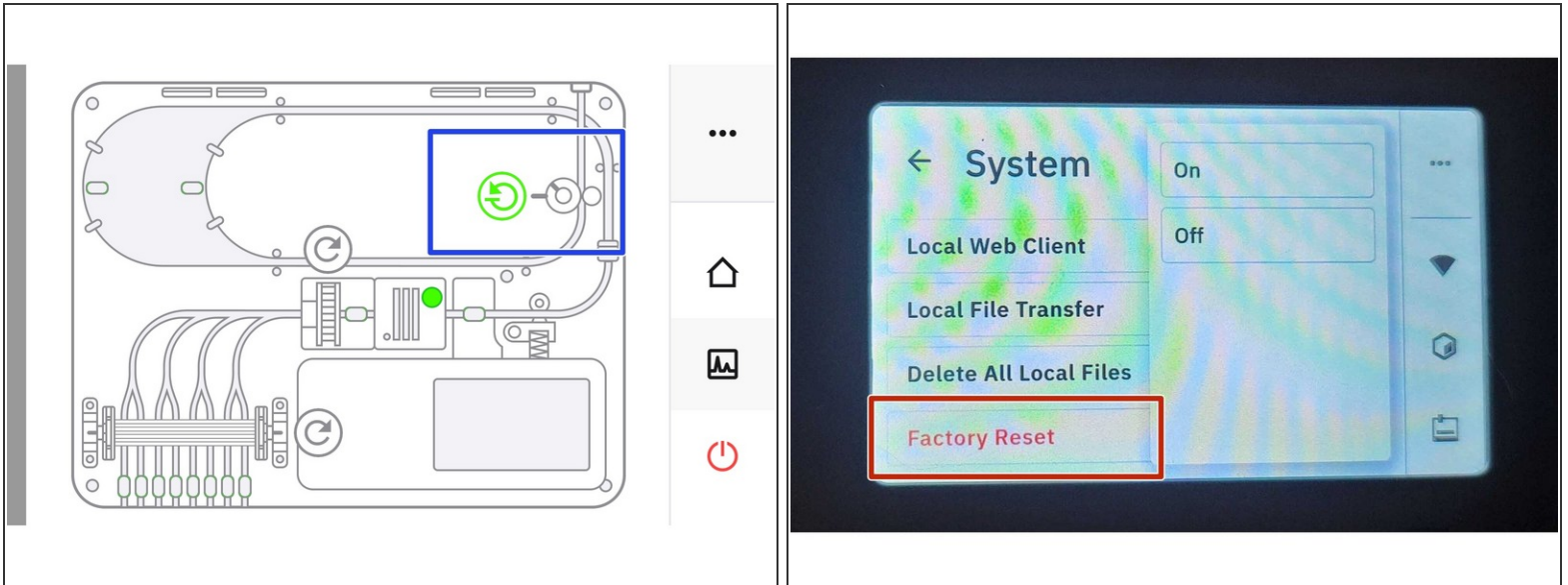
- ❗ If you are using a Bowden printer, the tube length is not accounted for in your printer settings.
- Measure the distance from the filament feed to the tip of your hot end.
- Add on 10-20 mm on to this value for assurance.
- This length can now be added to your printer profile in Canvas or to Slic3r/PrusaSlicer.

Step 2 — Add Bowden Tube Length in Canvas



- From [Canvas's](#) main screen click the Menu button (top left corner).
- ❗ If you have not set up your printer, create a new profile by clicking *New Printer*. Follow the prompts.
- Click *Edit Printer* > *Extruder*. Enter your measured length under *Bowden tube length*.

Step 3 — Next Steps



- If you still find that Palette is producing insufficient filament to finish your prints, take the following steps:
 - Re-calibrate your extruder, using a guide such as [this one](#). Check your [pings](#) for under/over-extrusion as well
 - Test your encoder in [X-ray mode](#).
 - Do a [factory reset](#) of your Palette before retesting
 - Contact us at support@mosaicmfg.com if the issue persists

If you have any additional questions, please send us a message at support@mosaicmfg.com!