Gradient Mode

Set Palette to gradually change from different inputs to produce a gradient effect!

Written By: Mosaic Support



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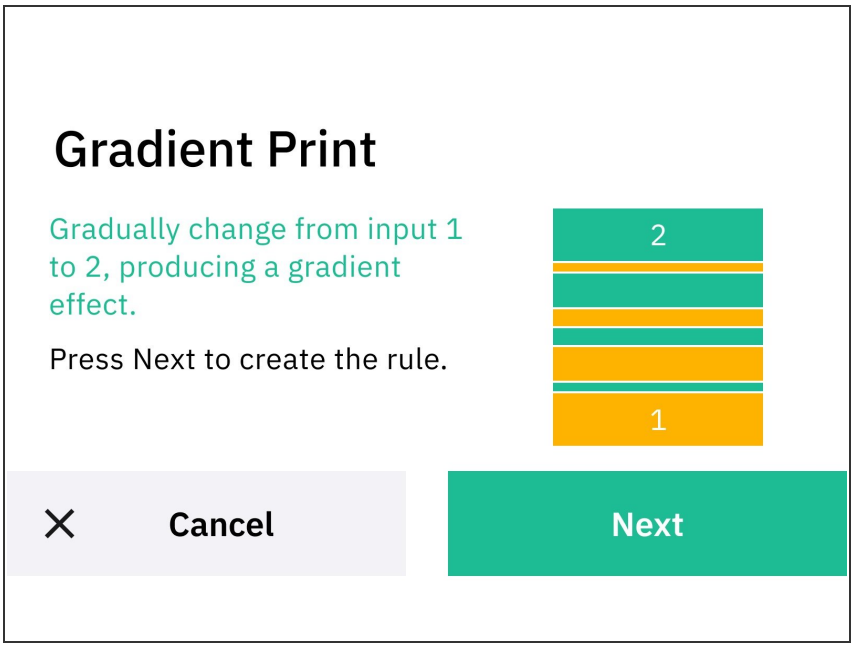
INTRODUCTION

In this guide you will learn how to:

- Access and print with gradient mode

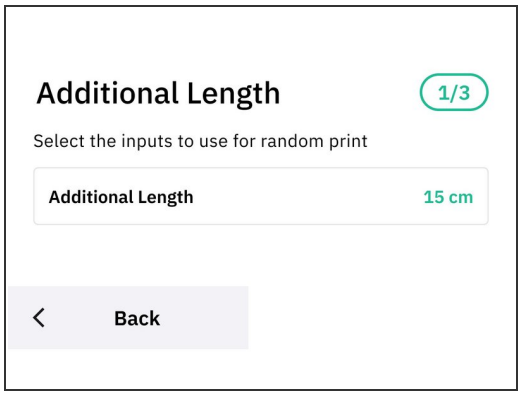
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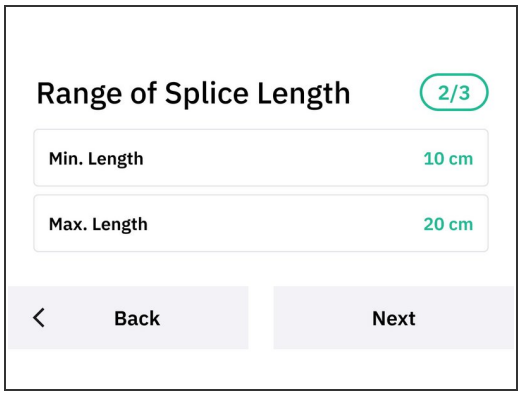
Step 1 — Slice Print in Single Color and Start Gradient Mode

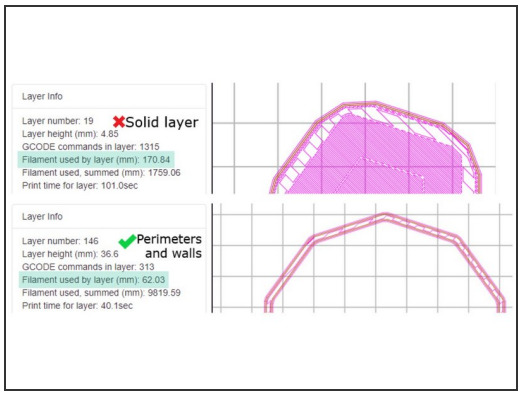


- Before utilizing custom print modes, ensure that your filament has been splice tuned. The Splice Tuning feature will help you find the ideal settings so your Palette 3 can create optimal splices. A guide on how to do this can be found here.
- Slice a single-body STL file in Canvas or a slicer of your choice. Record the total print length, and transfer the file to the printer.
- On Palette's main screen, tap *Print From > Custom Print > Gradient Mode*

Step 2 — Enter Range of Splice Length

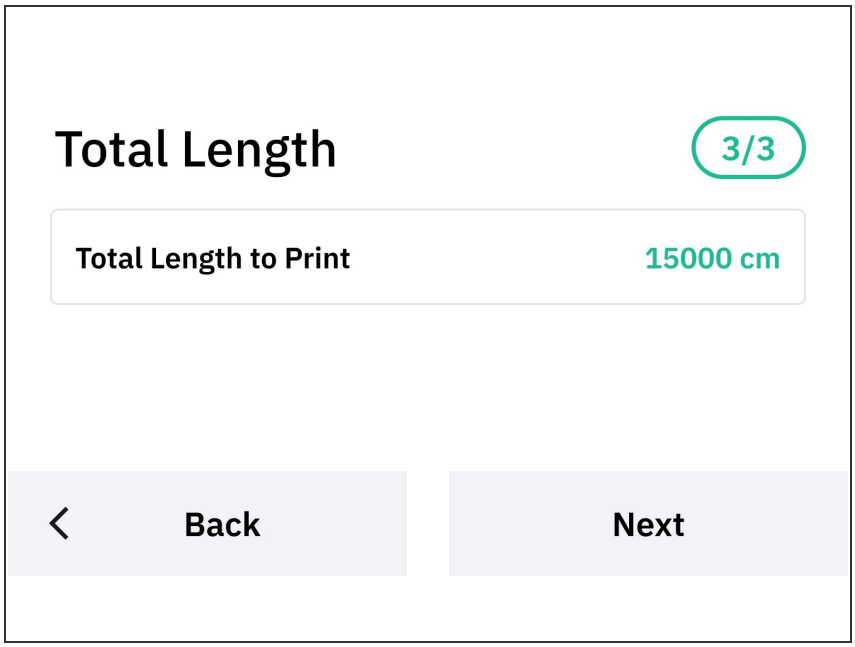






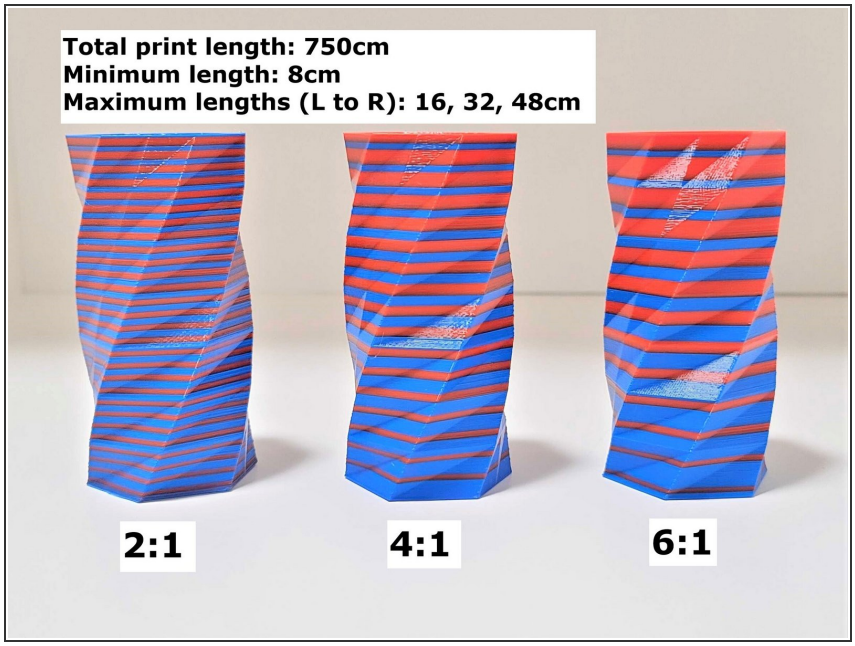
- Choose the inputs to use for the print.
  - ⓘ Select the minimum and maximum length of your print. Load your GCode file into http://gcode.ws to determine filament length of your print.
- **Minimum Length**: When your model is loaded, under Layer Info ***locate the layer that uses the most filament by layer (mm)***. Enter that value into the *Minimum Length.*
  - For smoother transitions if the model is in vase mode, use the filament used by layer amount from the walls of the print.
  - ⓘ Note: Palette's minimum splice length is 8 cm.
- **Maximum Length:** Input the maximum length as a ratio of the minimum length (max:min). This creates variation on the smoothness of the gradient.
  - ⓘ Ex: If you want a ratio of 4:1 (4 layers of the first filament and 1 of the second), multiply the *Min Length* of the filament by 4 to obtain the value of the *Max Length*.
  - ⓘ If you prefer smoother or more distinct colour changes, try increasing this ratio to 6:1 or 8:1.

Step 3 — Enter Total Length of the Print



- Enter the total length of the model in centimeters. The Canvas print preview will display the total filament length for the print, which can be converted to centimeters.
- Follow the prompts displayed on Palette's screen to begin the print.

Step 4 — Start the Print



- Follow Palette's instructions to load the filament.
- Once Palette is finished making the initial splices with enough filament to come out of the outgoing tube, insert this filament into the printer's extruder.
- Jog the filament until you see filament come out of the nozzle (just enough to prime it), and then start the G-Code file on the printer.

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