



Create a Randomized Colour MSF File

This article explains how you can make your own custom MSF file, which will randomize the four colours to produce unique models.

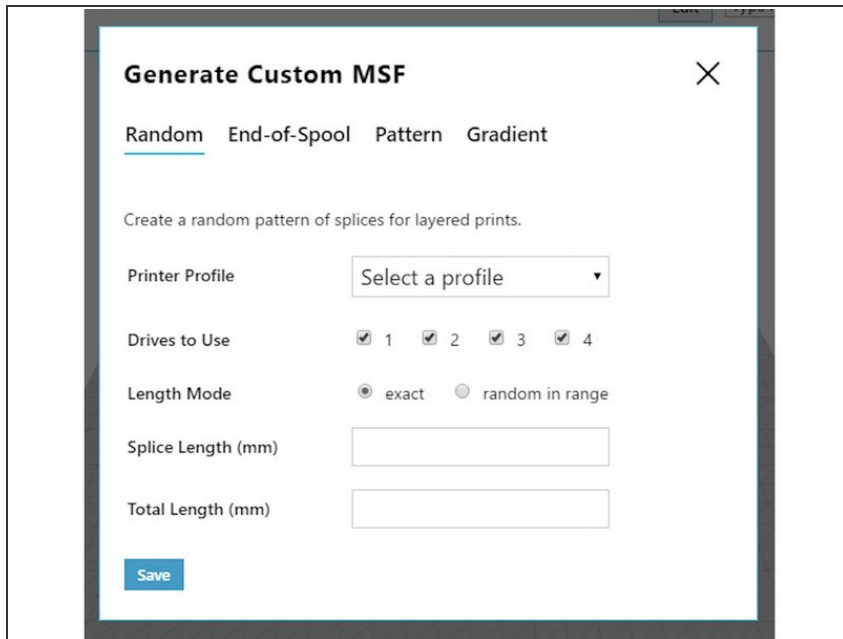
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INTRODUCTION

This article explains how you can make your own custom MSF file, which will randomize the four colours to produce unique models.

Step 1 — Make a Custom MSF File



The screenshot shows a dialog box titled "Generate Custom MSF" with a close button (X) in the top right corner. Below the title bar are four tabs: "Random" (selected), "End-of-Spool", "Pattern", and "Gradient". The "Random" tab contains the text "Create a random pattern of splices for layered prints." Below this are several settings: "Printer Profile" with a dropdown menu labeled "Select a profile"; "Drives to Use" with four checkboxes labeled 1, 2, 3, and 4, all of which are checked; "Length Mode" with two radio buttons, "exact" (selected) and "random in range"; "Splice Length (mm)" with an empty text input field; and "Total Length (mm)" with an empty text input field. At the bottom left of the dialog is a blue "Save" button.

- Download and open our [Chroma](#) software.
- Go to *Tools > Generate Custom MSF*. The next screen will allow you to input a Splice Length (minimum of 80 mm), as well as the Total Length of filament you would like to use.
- Please visit [gCodeViewer](#) to determine the total length of the print. When you enter the total length of filament on Chroma, this value can be overestimated to avoid running out of filament.
- Once you have put in your values, Chroma will create an MSF file for you to use with your Palette.
- ❗ Please note that Chroma automatically defaults to a 4-colour MSF file when you use this option, but you are able to select the number of colours you would like to use.

If you're running into any issues, please feel free to message us at support@mosaicmfg.com.