How to Slice in Canvas for Element Printing

How to slice a print and send to device for Element printing

Written By: Mosaic Support

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INTRODUCTION

[Please connect Element to a WiFi network and link to a Canvas account](#) first, in order to send files directly.

In this guide you will learn how to:

- Create Element printer profile
- Prepare a project in Canvas
- Familiarize with materials profiles and coloring models
- Send a print file to Element

Step 1 — Create a New Element Printer Profile

- Create a new printer profile by going to *Printers > +New Printer > Preset*
  - If you're using an LT Print Head, use the 'Element' profile. The 'Element HT' profile is only for use with HT Print Heads.

## Step 2 — Create a New Project

- Visit the Projects menu. Click the **+New Project** button on the right.

Step 3 — Upload and Arrange Models
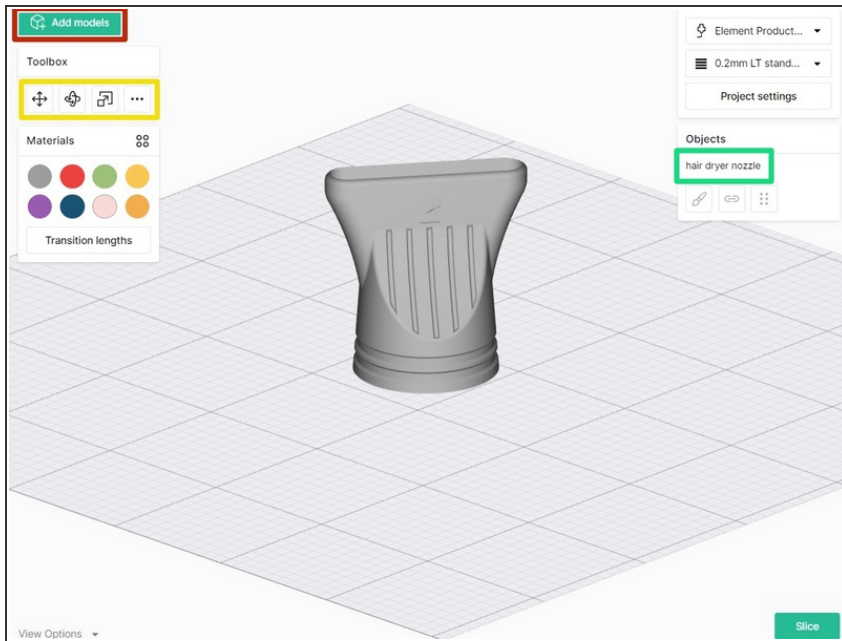
- Click the **Add Models** button, or click and drag files from your file explorer directly into the browser.
  - ⓘ STL files of up to 100MB are compatible with Canvas.

- Use the toolbox to move, scale and rotate the model. **More Options (...)** will allow you to auto-arrange, lay a face to the bed, or drop the models to the bed.

- Selecting the model in the Objects panel will allow you duplicate the model.

Step 4 — Select Printer Profile & Style Profile
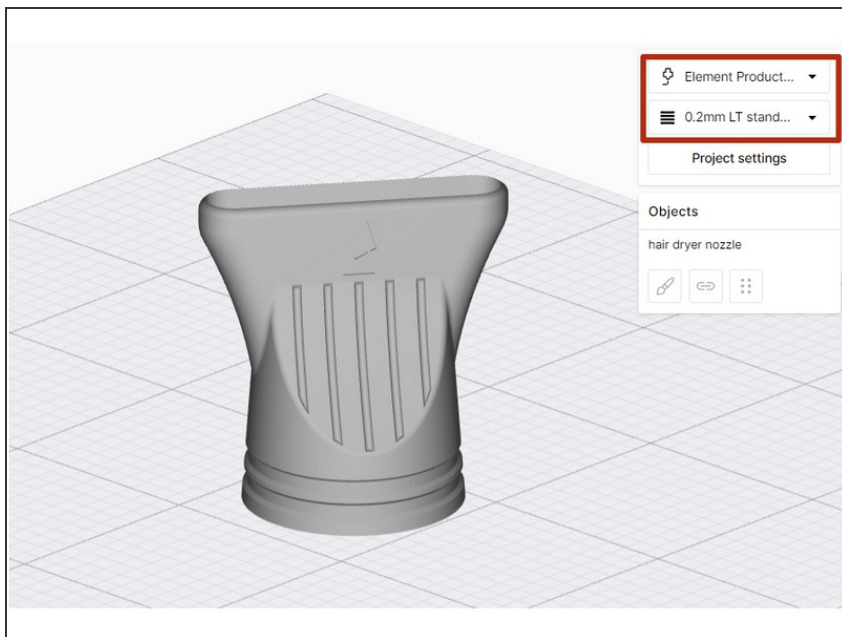
- From the top-right menu, select the Element Printer profile and Style profile.

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Step 5 — Adjust Project Settings

- **●** Open the **Project Settings** to adjust slicer settings.
  - **●** You may select between the Kisslicer and Slic3r/PrusaSlicer engines.
  - **●** As you tune and improve the printer profile, changes made here can be saved to an existing style profile, or a new style profile can be created.

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Step 6 — Select Material Profiles and Color Models
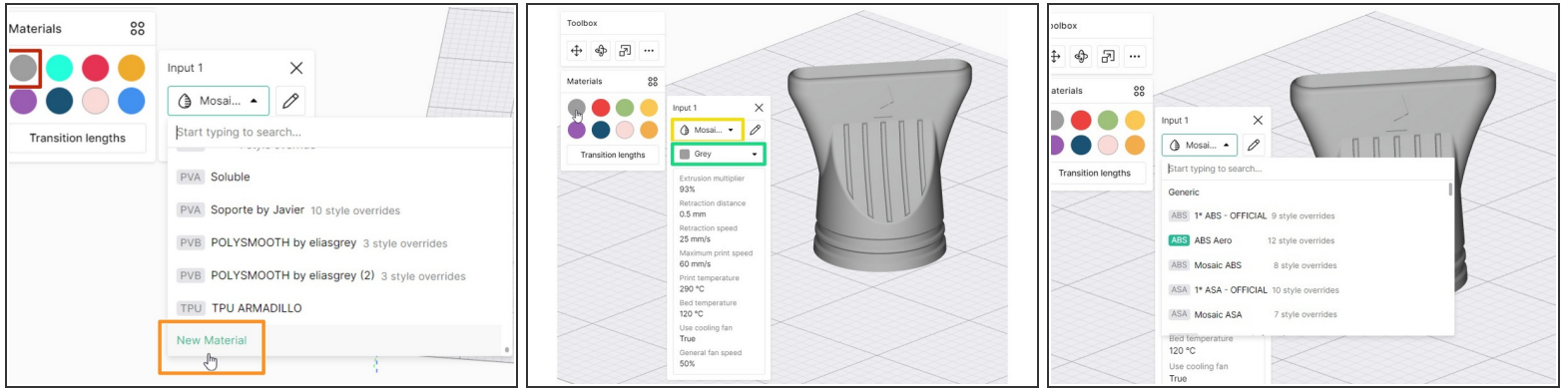
- 🔴 Start by selecting the color swatch under Materials, that will be used to color and visualize the part. Drag and drop this circular color swatch from the **Materials** panel over the STL or the file name in the Objects panel.

  - 🟠 If you have not already created a material profile, you may create a new one by scrolling to the bottom of the Materials dropdown. Learn more on creating and managing material profiles here.

- 🟡 Next, select the material profile for that color swatch (e.g. PLA).
  - ⓘ Green tags on material profiles indicate that they are a Mosaic material.

- 🟢 Lastly, select the filament color you would like to use for this material profile.
  - ⓘ Third-party materials will allow for custom color selection.

- ⚠️ **The material profile and color selected here *must* match the material loaded to the Material Pod on Element/Array.**

- ⓘ Third-party materials must use an NFC tag to be detected correctly by Element.

If you have any questions, please don't hesitate to contact us at support@mosaicmfg.com.

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