



How to Slice in Canvas for Element Printing

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

Written By: Mosaic Support

New project

Print Team Dev

My Projects

Team Projects

Devices

Profiles

Printers


Materials


My Devices

Name

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Element





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

Printer presets

Select printer make

- CraftUnique
- Creality
- Dremel
- Kodak
- LulzBot
- MakerBot
- MakerGear
- Mosaic Mfg.**
- Prusa
- Raise3D
- Ultimaker

Select printer model

- Element
- Element HT

>

Cancel Create

- 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


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+ New project New fol

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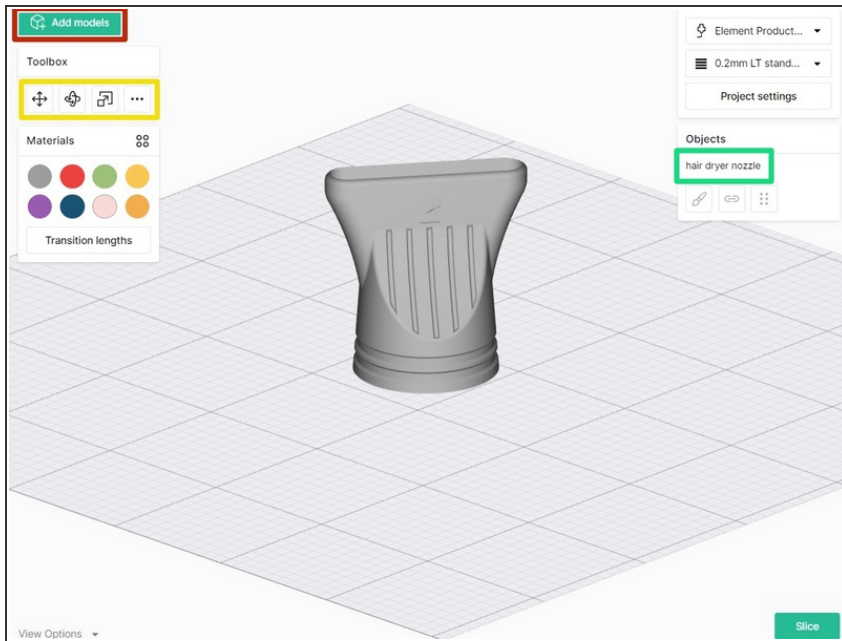
PCFR Nozzle Demo
Element Production DAF

Modified about 1 month ago



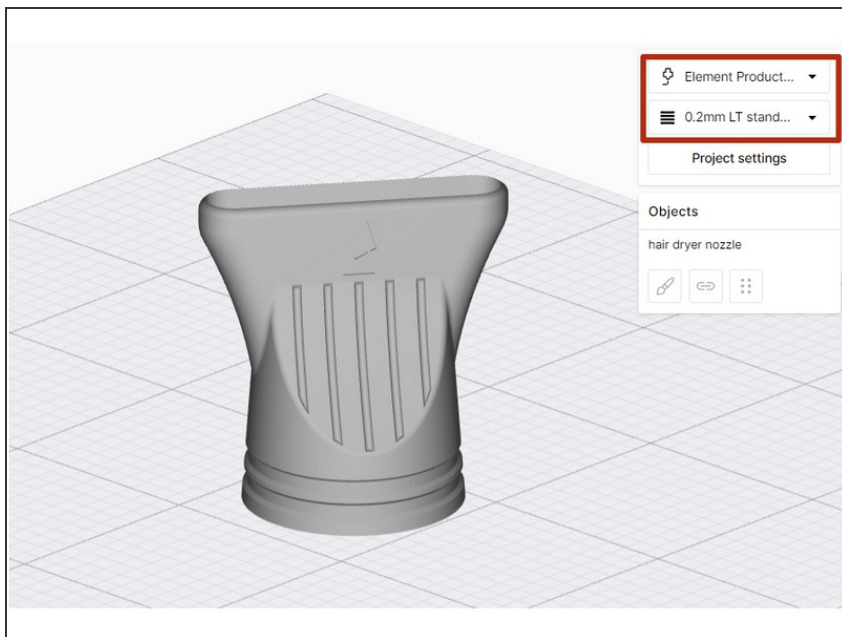
- Visit the Projects menu. Click the **+New Project** button on the right.

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.

Step 5 — Adjust Project Settings

Project Settings Cancel Save

Project name
Nozzle Demo

Slicer
Slic3r

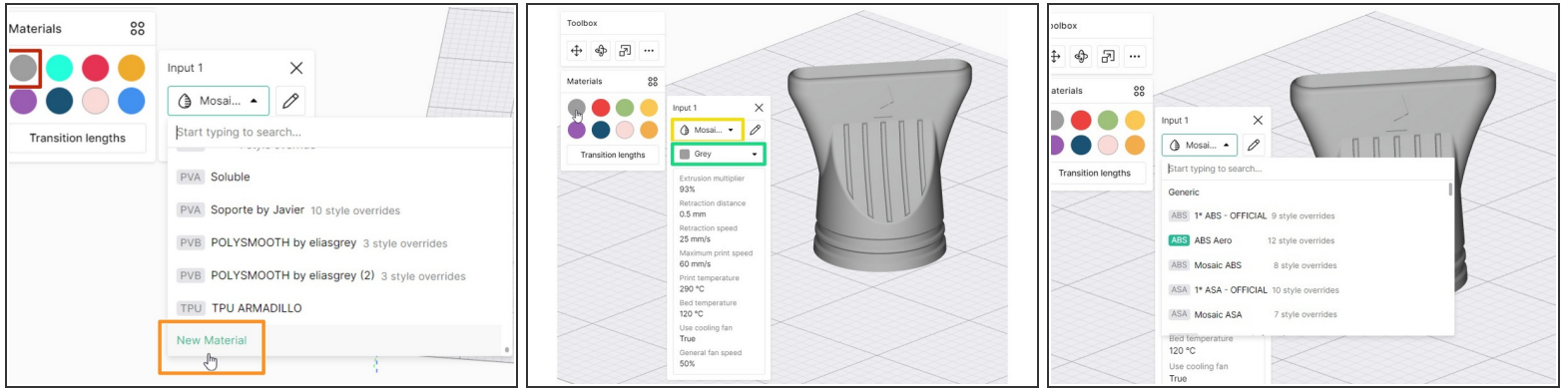
0.2mm LT standard production 2 changes

Filter style settings

General	Shell 3 layers Ironing off
Layer Height	Layer height 0.2 mm First layer 0.2 mm
Extrusion	Width 0.4 mm Multiplier 95% Retraction 0.5 mm
Perimeters (1)	Perimeters 3
Infill	Density 15% Style straight
Temperature and Cooling	Extruder 220 °C Bed 60 °C
First Layer	Skirt on Raft off
Supports (1)	Support material off
Transition	Method transition tower Length 130 mm

- 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.

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.