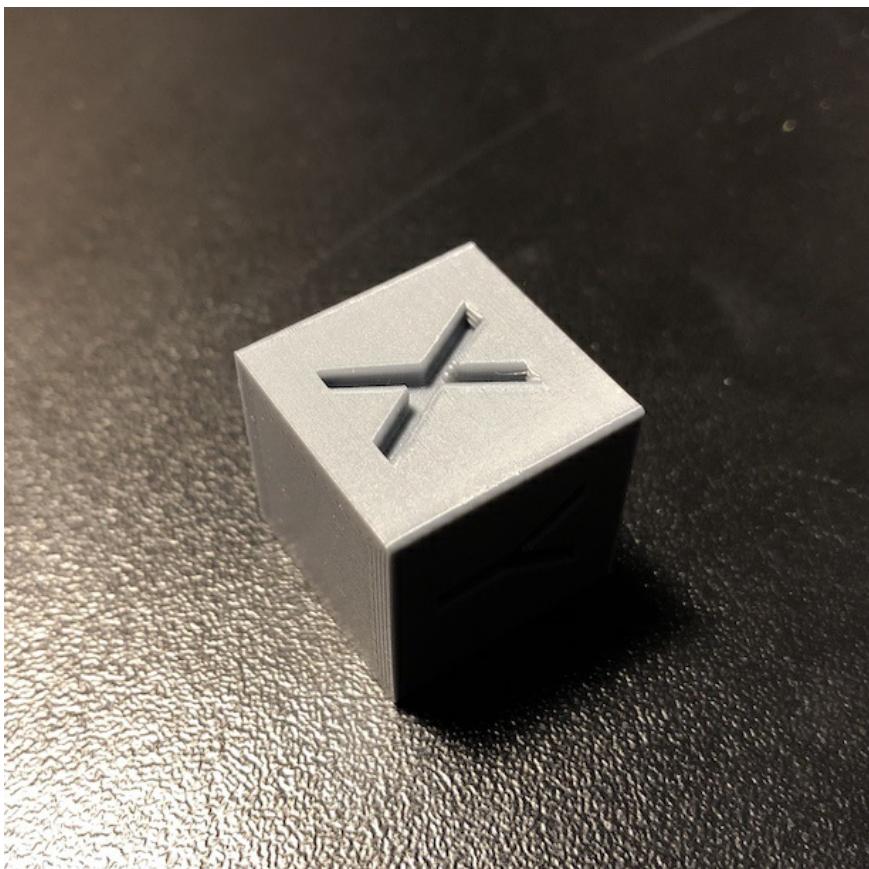


Overview

How this mod will improve my print quality ?

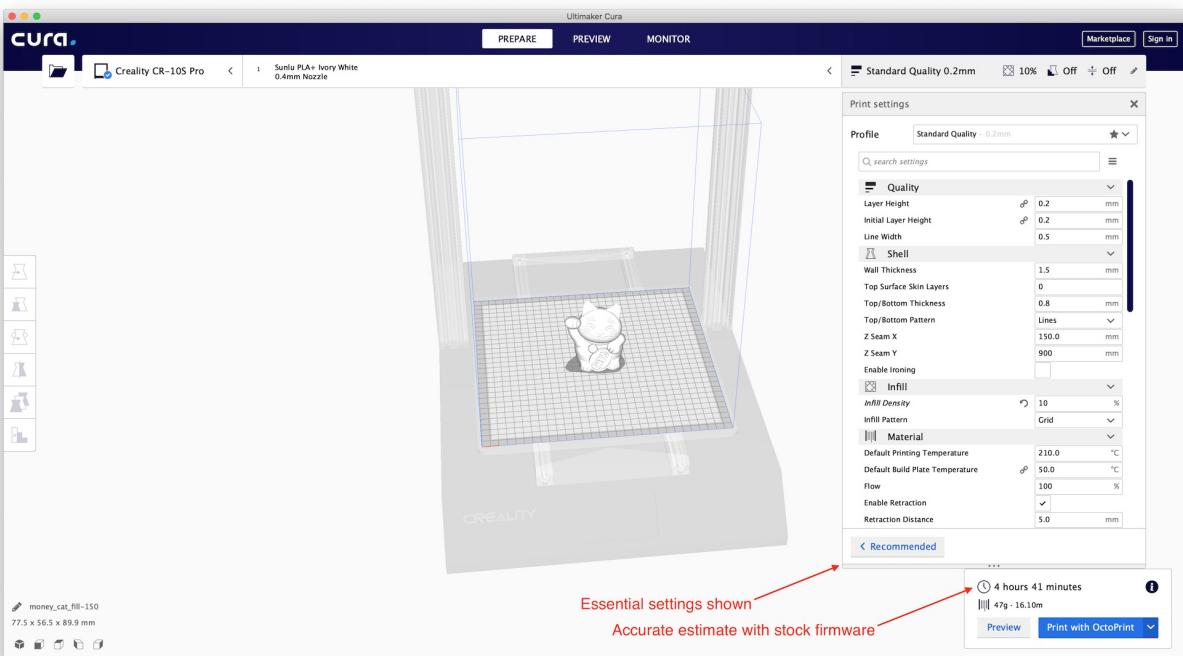
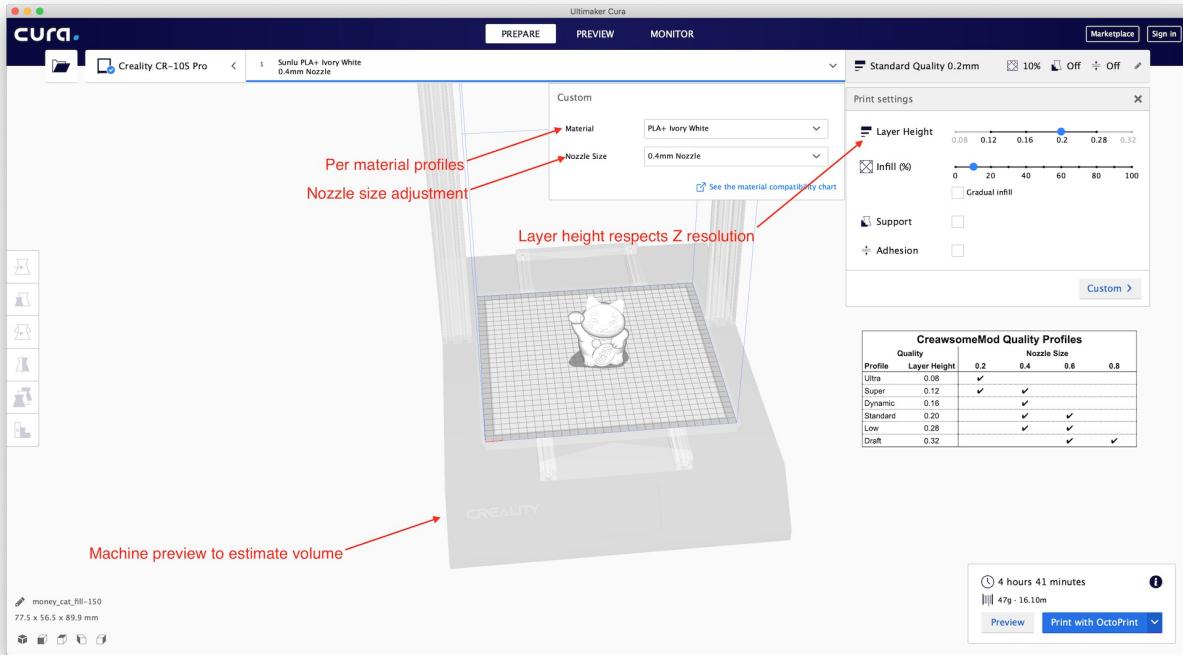
It depends how have you been able to tune your profiles and printer so far ! You can see few sample below. You should be able to decide by yourself if this mod worths to be tested. **Keep in mind you still need to adjust settings according to your material and model.**

xyzCalibration_cube.stl printed at 0.12mm layer height, 50mm/s [Source File](#)



money_cat_fill.stl printed at 0.20mm layer height, 60mm/s [Source File](#)





Installation

Requirements

Cura 4.0

Install Cura 4

If you haven't Cura 4 installed yet, please proceed with it, and run it a first time. Running it at least once is required to go through your OS application signature check.

Reset Cura

Please refer to the [Cura wiki](#) to find the location for your *user settings* and *application cache* and clean them up. **You should already have backup your settings using Cura backup feature before the modification !**

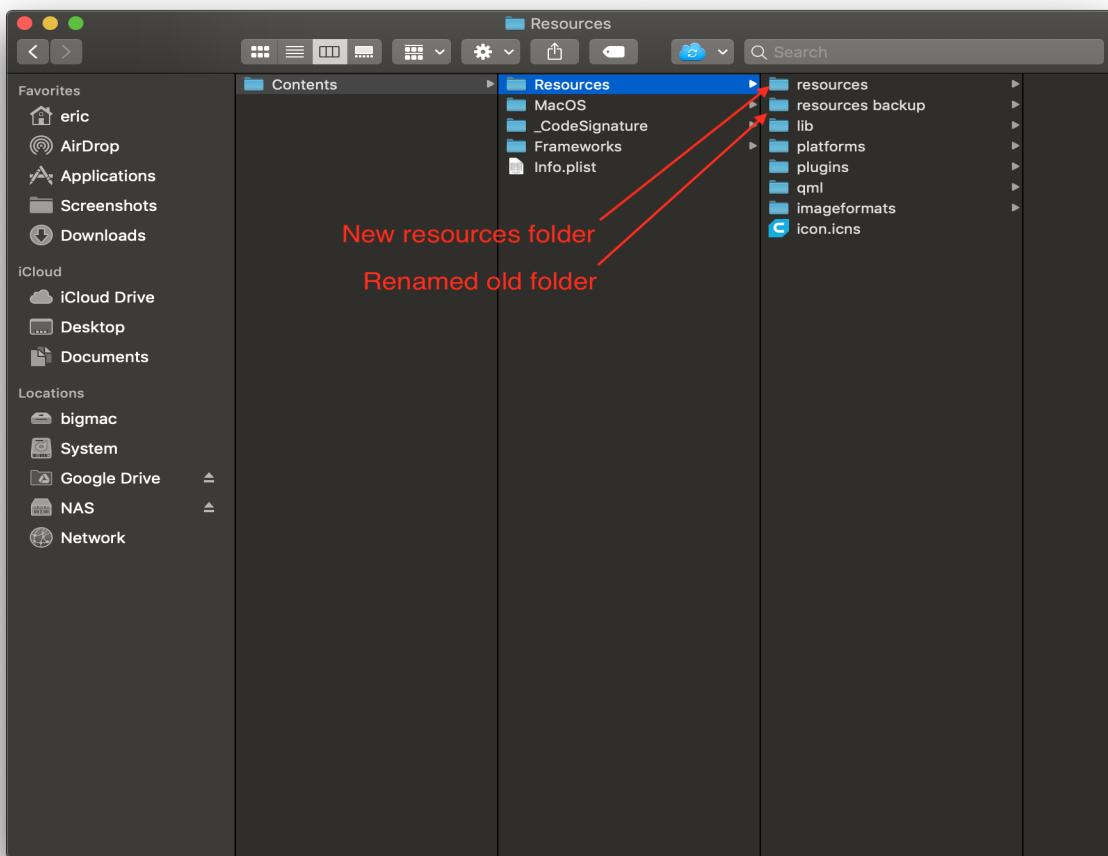
Install CreawsomeMod

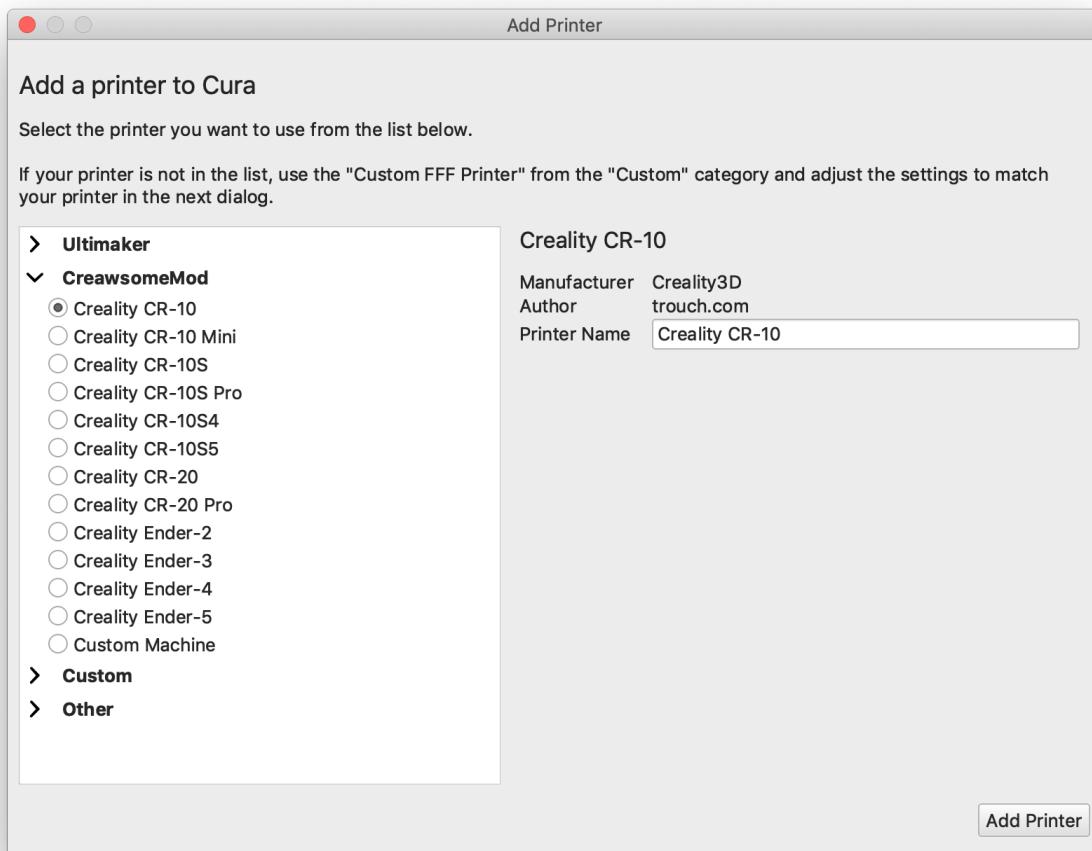
Windows

Extract the zip file somewhere on your computer. Go to your `Program Files\Ultimaker Cura` folder, locate the `resources` folder and rename it for backup purpose. Copy and past the `resources` folder from the zip file to modify your Cura installation. To revert, simply delete the new folder and rename back the old one.

MacOS

Extract the zip file somewhere on your computer. Go to your `Applications` folder, select `Ultimaker Cura.app` , right-click or ctrl-click on it and select *Show Package Content*. Navigate through the folders to find the `resources` one and rename it for backup purpose. Copy and past the `resources` folder from the zip file to modify your Cura installation. To revert, simply delete the new folder and rename back the old one.

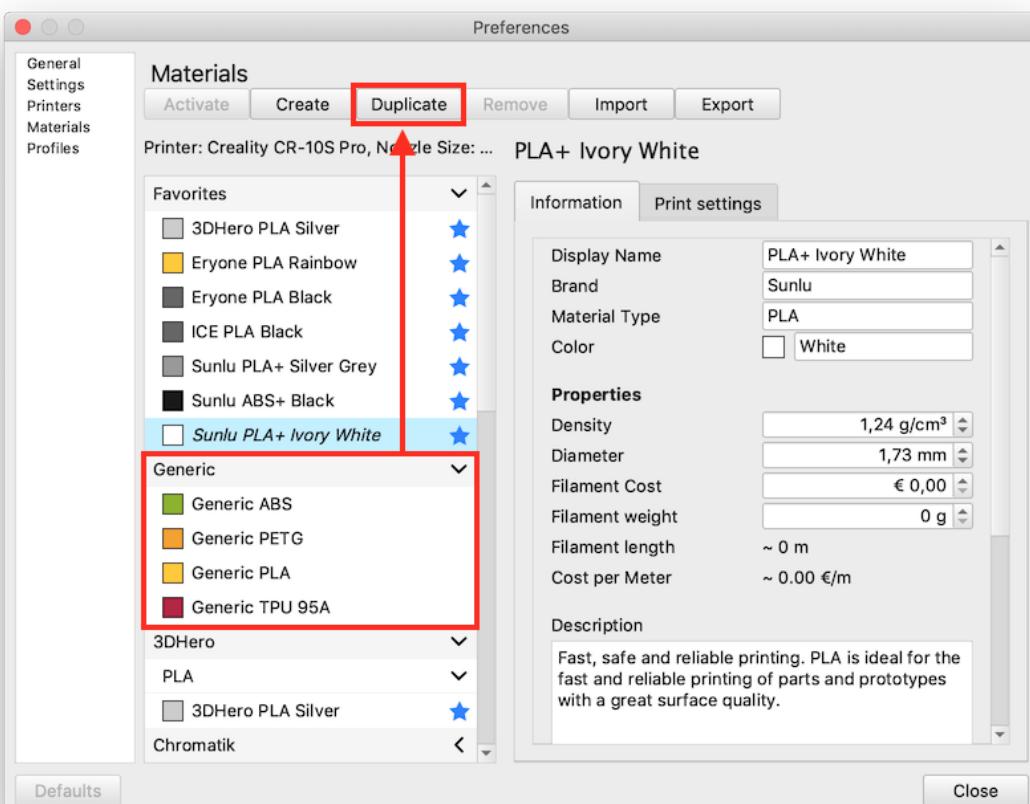


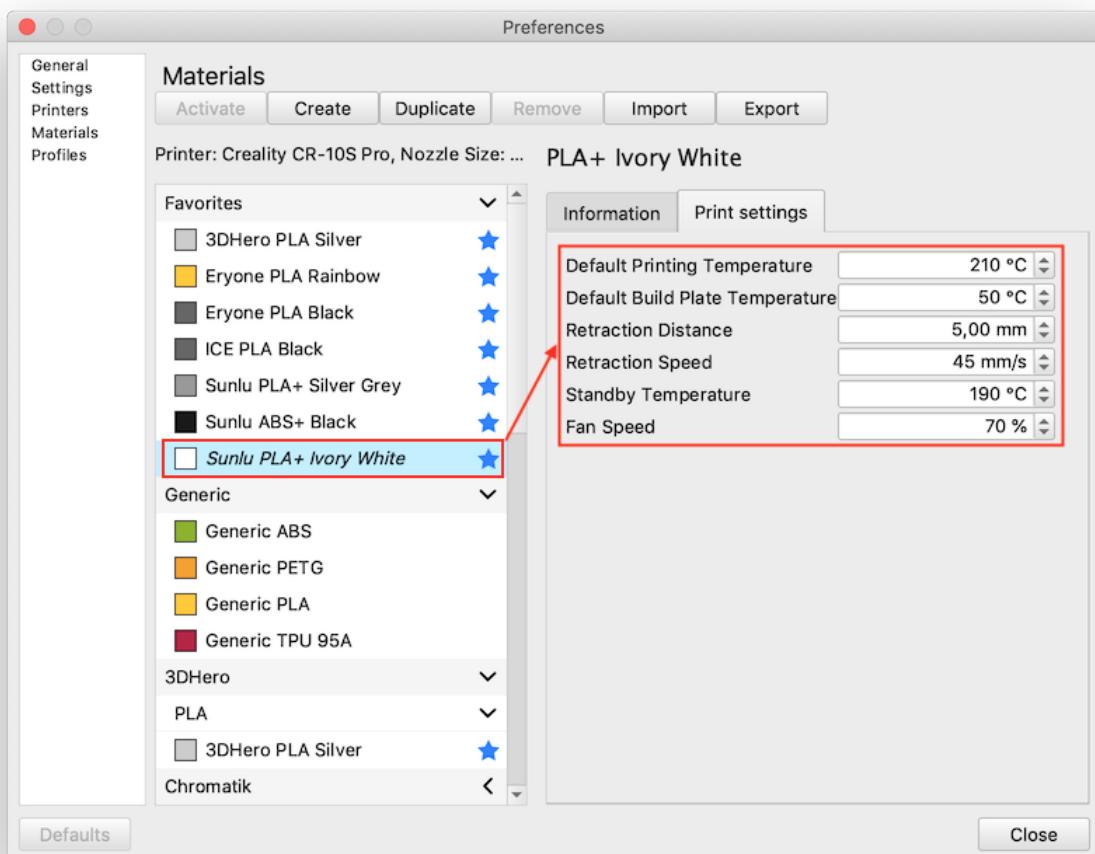


Feel free to check the start g-code and adjust it to your need.

Material Settings

It is really important that you use the material profiles capabilities to duplicate Generic ones and adjust temperatures as well as retraction settings there for each of your spool !





Tuning Guide

No matter of the printer, slicer, mod or not, I highly recommend this [Guide](#) to tune your printer. Most importants are extruder and flow calibration as well as properly tuning temperature for each of your spools !

Known Issues

Clogging

If you encounter any nozzle clogging during retract, you probably have a small leak between the PTFE and nozzle ! Creality users, try this [Original Creality hot end ptfte fix](#) by Luke Hatfield, aka "OneBadMarine". This ensure to keep pressure between the PTFE tube and nozzle to avoid any leak.

Missing print details

CreawsomeMod sets the line width to 125% per default for convenience in calculation and overall better looking. However some models aren't compatible with such setting. In case you lose details, or have some wall replaced with thin infill, try to reduce the line width to 0.45mm or 0.40mm.

Stringing

For most of Creality printer, the extruder feedrate is limited to 25mm/s ! CreawsomeMod includes a start g-code to set it to 50mm/s using an *M203* command and warns users when setting retraction above that value. Make sure to adjust start g-code if you need a retract speed above 50mm/s.

macOS user privileges

In case you can't modify your Cura install, please check your user privileges and Cura application access rights.

Incompatible user profiles

Since CreawsomeMod create new machine definitions with advanced features such as per-material preset and nozzle choice, any previous profile is not compatible with CreawsomeMod. Even if it was ever possible, it could bring unexpected behavior.

Z-Seam

Probably the most challenging issue with FDM. Per default, CreasomeMod sets the Z-seam at the back of the model. This gives amazing overall looking and accuracy, but it may bring a non esthetic line on curved models. That's CreawsomeMod's Achilles' heel.

1. **Don't set the seam to be random** as it will give overall worst result.
2. Change Z-seam location for your model as shown in the picture above
3. Fine tune your retract setting
4. Enable and calibrate Linear Advance (incompatible with "silent" Creality boards using TMC2208)
5. Use Cura coasting (incompatible with Linear Advance)

