

How to use BIBO cura settings in Ultimaker Cura for BIBO2

We recommend Cura 15.04.6 for 3d printing novice, which is easier to learn and more stable than Ultimaker Cura . Meanwhile, Ultimaker Cura is only for 64 bit computer, so please use cura 15.04.6 if your computer is 32 bit .

Cura and Ultimaker Cura can be both downloaded from here: <https://ultimaker.com/en/products/cura-software/list> , the version 15.04.6 is Cura (we can call it classic Cura), and the latest version is Ultimaker Cura. Cura 15.04.6 can also be downloaded here: <https://drive.google.com/file/d/15BRxwgOongtb5WhE-uNCTCQL8g9DmObK/view?usp=sharing>

Notice: If we want to **install the new cura** again and BIBO printers were configured in the former cura , then we have to **copy the json format files mentioned in the step 2 below again to the new cura installation folders**. After we install the cura again, if there is a window showed in cura of the congiguration errors to reset as this screenshot shows: <https://drive.google.com/file/d/12wndE9bzlaKMQL43ktuHwOY7ravBZBjL/view?usp=sharing> , we have to **click reset button in cura to remove these errors first or remove the former BIBO printers in the new cura machine list**.

Now let's start to use ultimaker cura.

The Ultimaker Cura version we use in this instruction is 4.0 .

1. Install Ultimaker Cura on your computer. The details are here: <https://ultimaker.com/en/resources/51943-installation-ultimaker-cura>

Please do not open Ultimaker Cura after installation. If you open Ultimaker Cura for the first time, you will be asked to select the 3D printer that you have. You can choose Ulitmaker 3 first.

2. Download the .json files we made for BIBO 2 3d printer. You can download them from here: <https://drive.google.com/file/d/1kyWwo0nO70weJxpNv1-ZYSGhDWQIKZ37/view?usp=sharing>

Please unzip it first. There are two folders. One is named "definitions", and the other is named "extruders".

Now make sure Ultimaker Cura is closed first.

One file (BIBO2 dual.def.json) in the folder "definitions" is for the machine, and needs placed in "\\Program Files\\ Ultimaker Cura 4.0 \\resources\\definitions" .

Two files (BIBO1.def.json, BIBO2 E1a.def.json) in the folder "extruders" are for the extruders, and needs placed in "\\Program Files\\ Ultimaker Cura 4.0 \\resources\\extruders"

For Mac users, right click on your Ultimaker Cura application file, and choose "Show Package Contents".

These files go into Contents/Resources/resources/definitions:

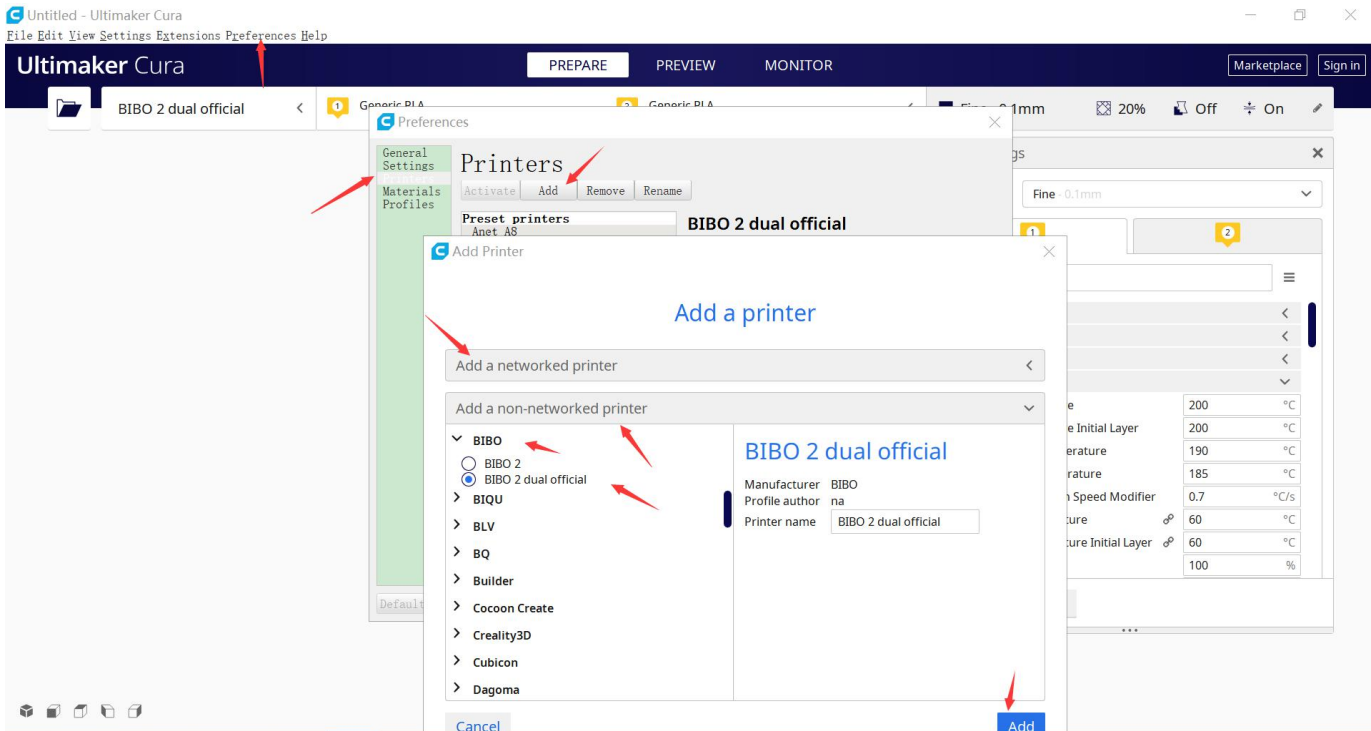
BIBO2 dual.def.json

These files go into Contents/Resources/resources/extruders:

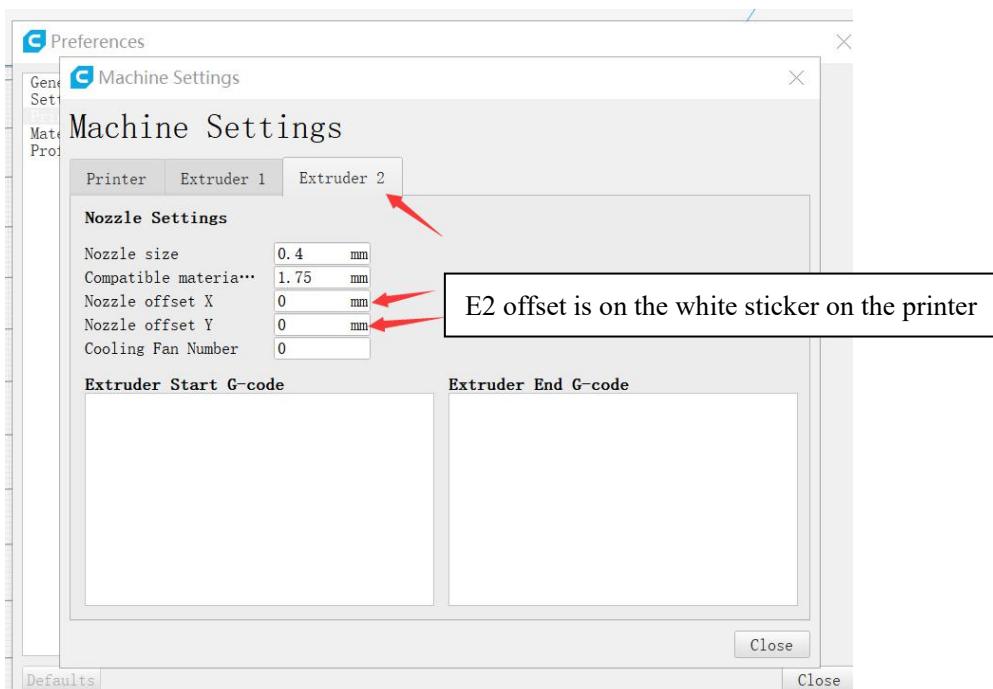
BIBO1.def.json

BIBO2.def.json

To use Ultimaker Cura with your BIBO 2, first open Ultimaker Cura, then add a new printer through menu (Preferences-Printers-Add). You'll see the BIBO 2 dual official printer listed as the screenshot below:

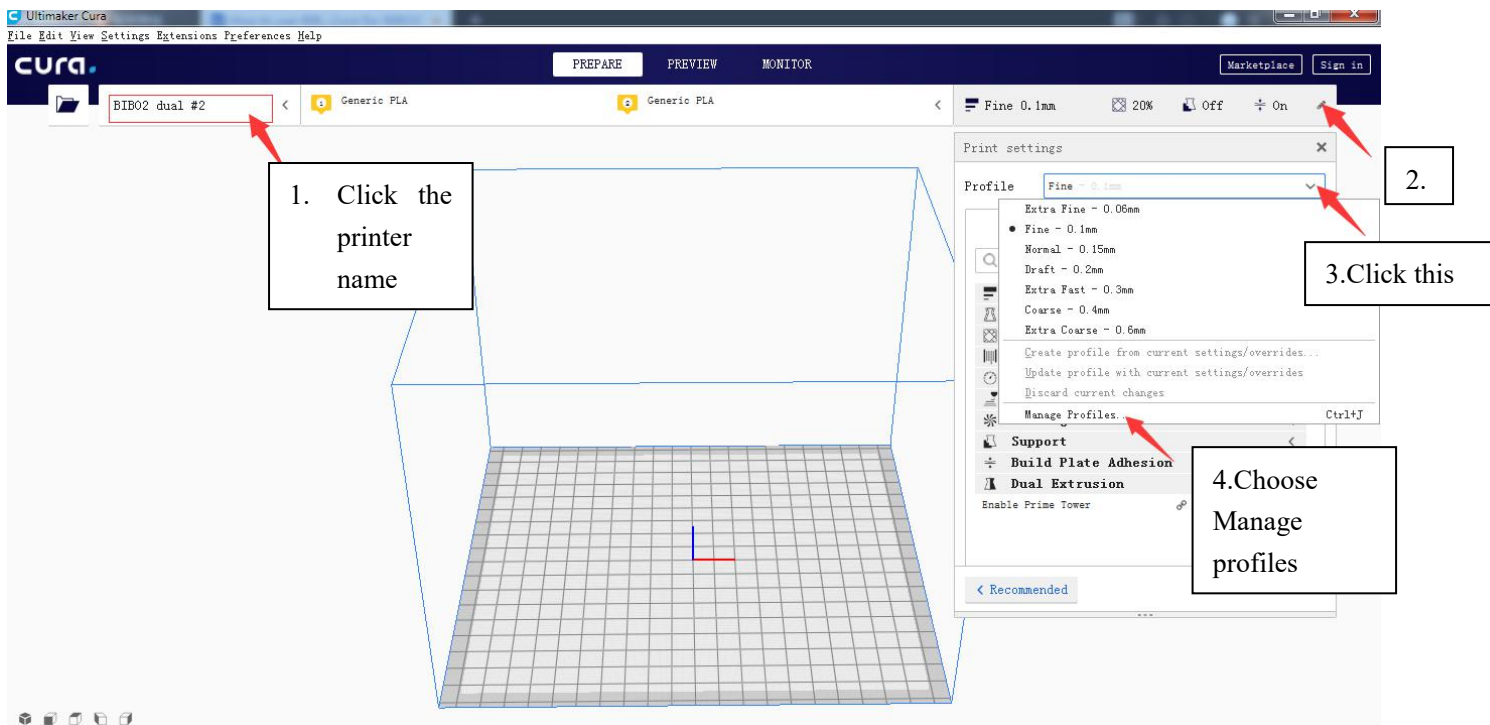
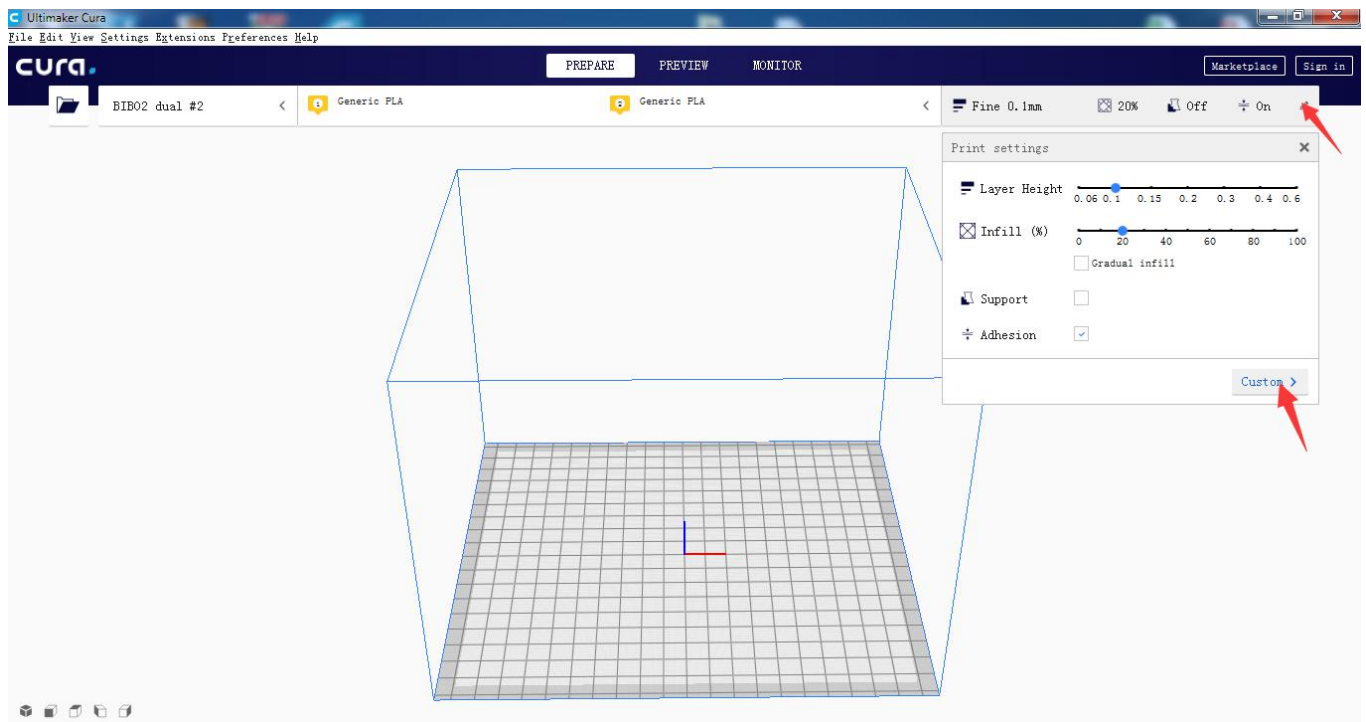


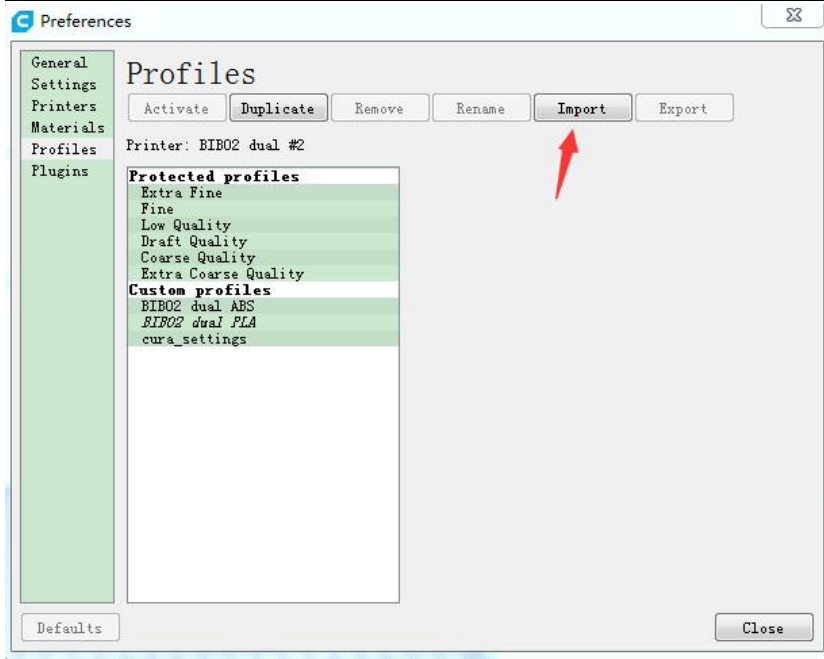
For the machine **BIBO 2 dual official**, we have to file the extruder 2 offset and extruder start gcode. **Extruder 2 offset is on the white sticker on the printer**. Please go to Ultimaker Cura software menu Settings-Printer-Manage Printers as below:



- Download our print setup profile we made for BIBO 2 3d printers. You can download it here: <https://drive.google.com/file/d/1VllhxGIMkmxvsWMOEHPAtztLv3bn7zaU/view?usp=sharing>
Please unzip it first. You will find some curaprofile format files.
The file with name started with BIBO2 dual is for dual extruders printing.
The file with name started with BIBO2 E1 is for only E1 printing .
The file with name started with BIBO2 E2 is for only E2 printing .

Now we should import these profiles to Ultimaker Cura for BIBO 2 .

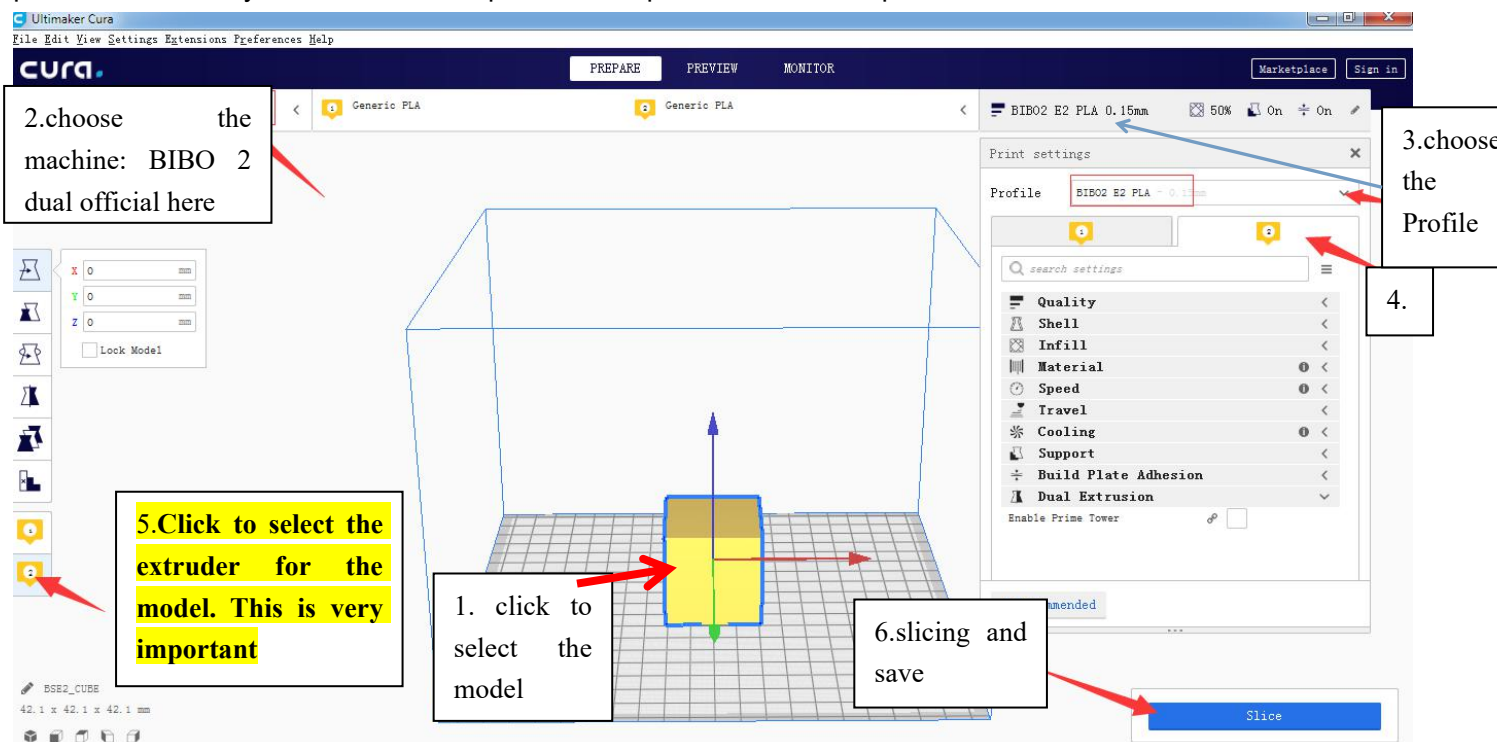




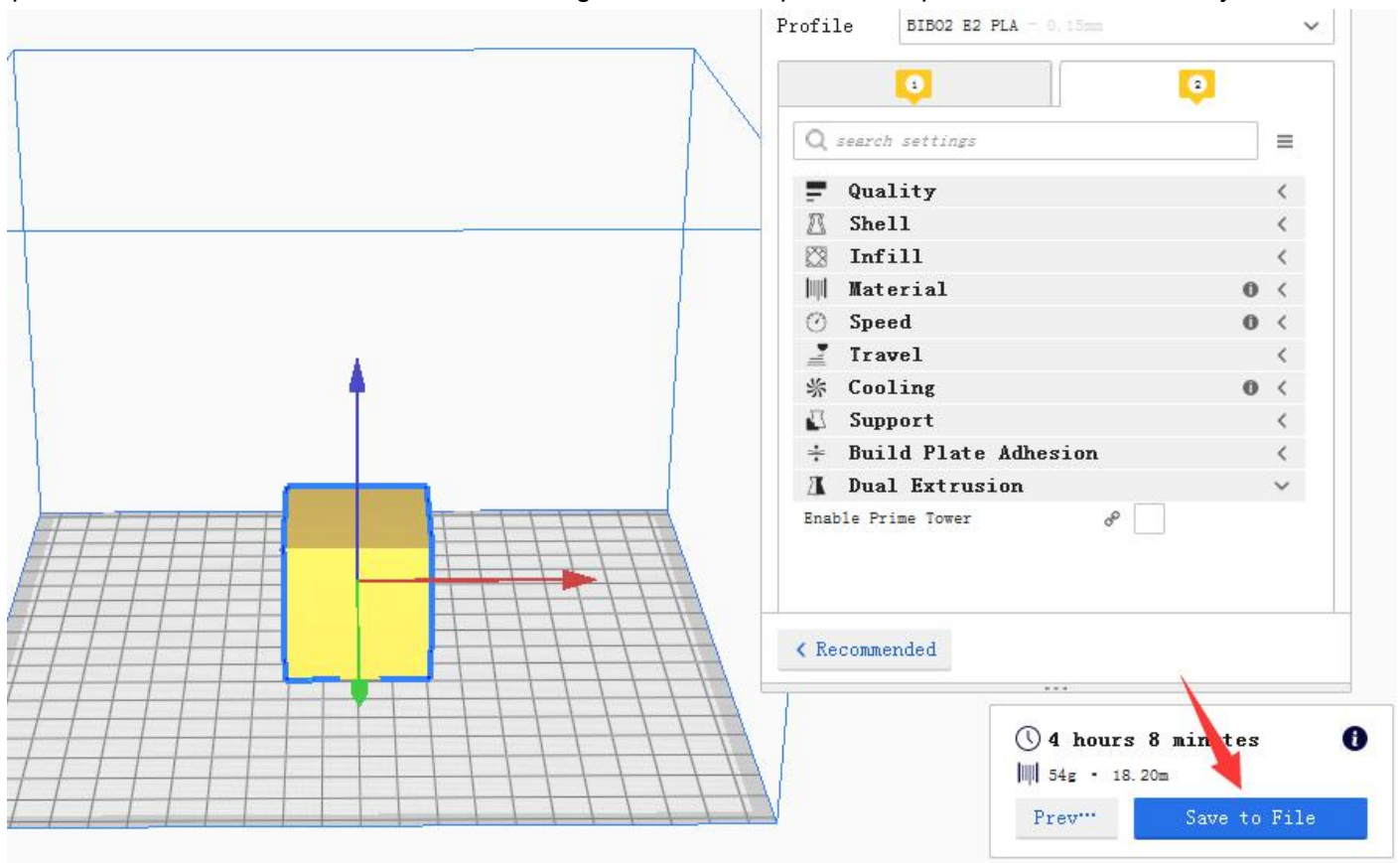
Notice: If we want to install the new cura again and BIBO printers were configured in the former cura , then we have to **copy the json format files mentioned in the step 2 above again to the new cura installation folders.** Otherwise BIBO2 single E2 machine will not work in the new cura. After we install the cura again, if there is a window showed in cura of the congiguration errors to reset as this screenshot

shows: <https://drive.google.com/file/d/12wndE9bzlaKML43ktuHwOY7ravBZBjL/view?usp=sharing> , we have to **click reset button in cura to remove these errors first or remove the former BIBO printers in the new cura machine list.**

BIBO 2 printer has dual extruders, it can print in only E1, only E2, and dual extruders. For example, you want to print the model only in E2 with normal pla filament, please choose the profie and extruder as below:



4. Now the model will be automatically sliced. You can click "Save to File" button to save the gcode file on the computer or SD card, then insert sd card with this gcode file to the printer and print from sd card directly.



When you want to print with **dual extruders**, please make sure **Prime Tower is enabled** (our slicing profile settings has already enabled this). For more details of Ultimaker Cura manual, please visit :

<https://ultimaker.com/en/resources/51945-first-use-ultimaker-cura>

