

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.

Now let's start to use ultimaker cura. Our instruction is based on our customer Mike's sharing. His sharing link is here: <https://www.thingiverse.com/groups/bibo/forums/general/topic:12794>

The Ultimaker Cura version we use in this instruction is 4.0. **If you are using older version Ultimaker Cura, please read the instruction from page 7.**

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 Ultimaker 3 first.

2. Download the .json files we made for BIBO2 3d printer. You can download them from here: <https://drive.google.com/open?id=1kyWwo0nO70weJxpNv1-ZYSGhDWQIKZ37>

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.

Three files (BIBO2 dual.def.json, BIBO2 single E1.def.json and BIBO2 single E2.def.json) in the folder "definitions" are the machines, and needs placed in "\Program Files\ Ultimaker Cura 4.0 \resources\definitions" .

Six files (BIBO1.def.json, BIBO2 E1a.def.json, BIBO2 E1b.def.json, BIBO2 E2a.def.json, BIBO2 E2b.def.json and BIBO2.def.json) in the folder "extruders" are 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

BIBO2 single E1.def.json

BIBO2 single E2.def.json

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

BIBO1.def.json

BIBO2 E1a.def.json

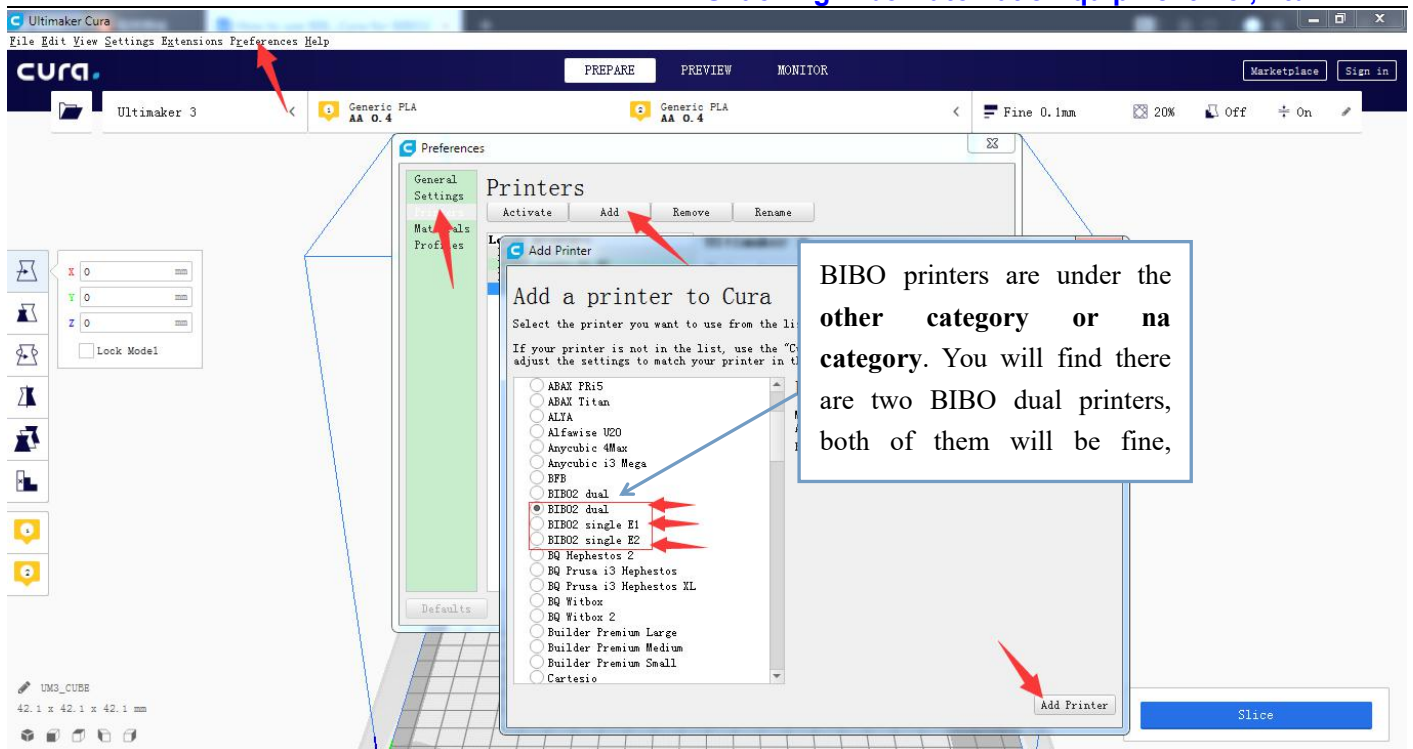
BIBO2 E1b.def.json

BIBO2 E2a.def.json

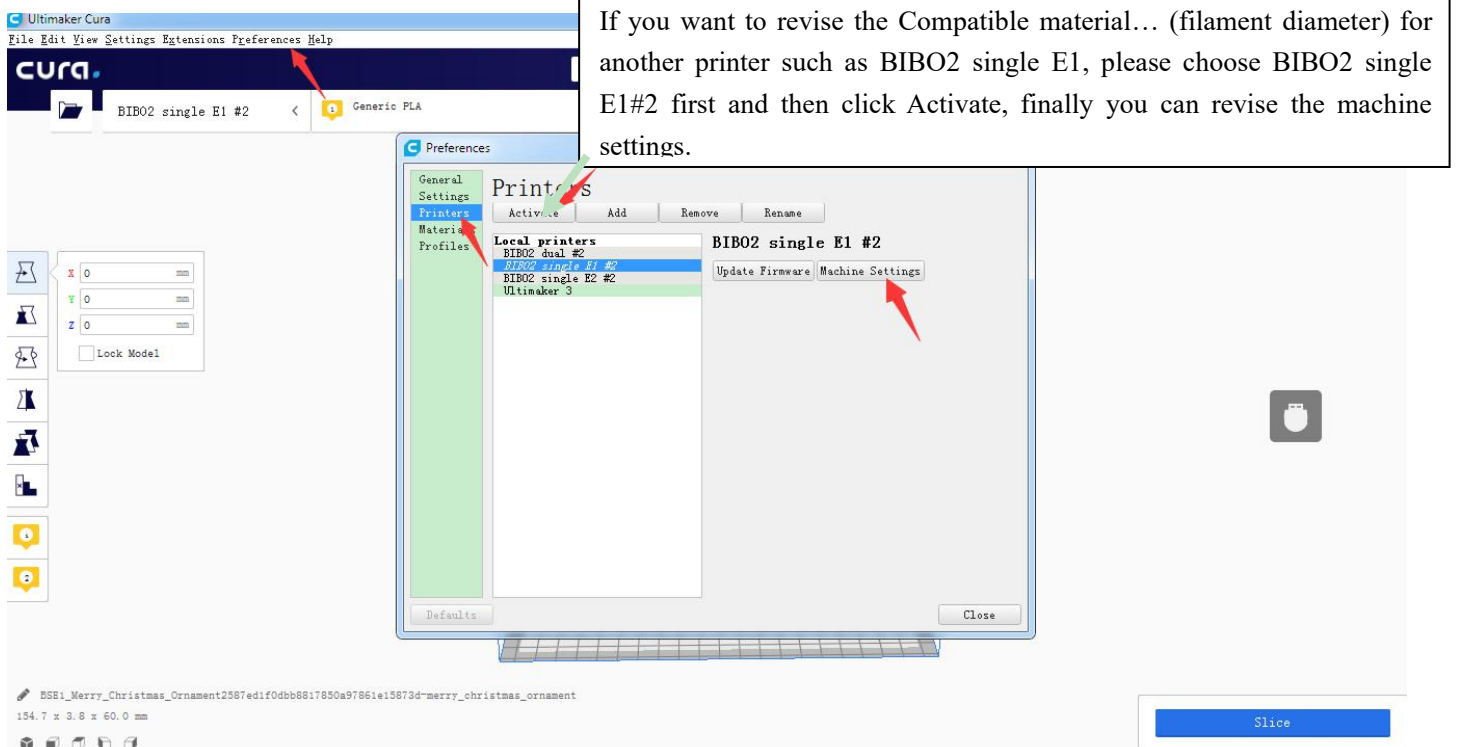
BIBO2 E2b.def.json

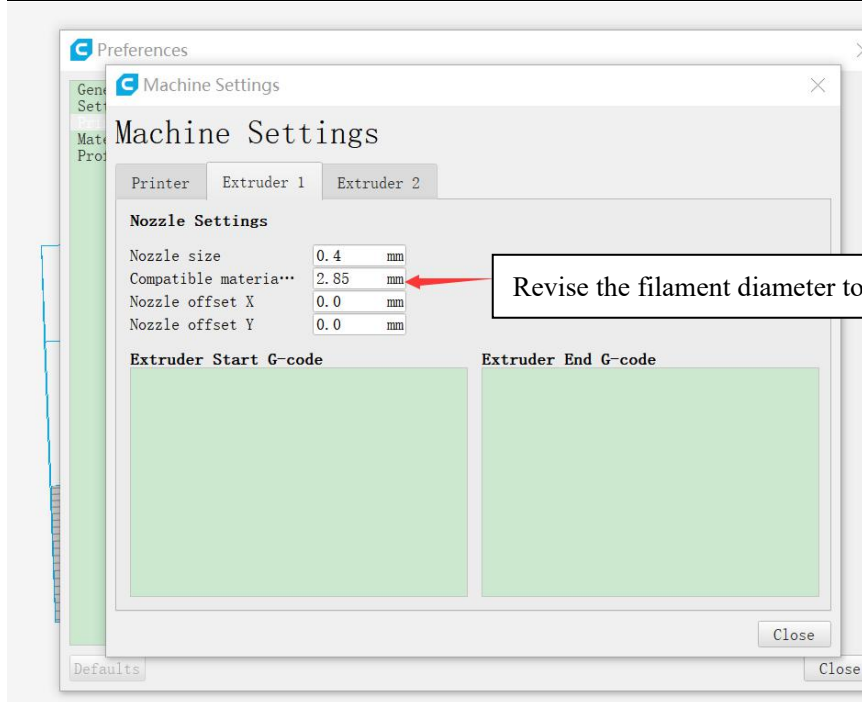
BIBO2.def.json

To use Ultimaker Cura with your BIBO2, first open Ultimaker Cura, then add a new printer through menu (Preferences-Printers-Add). You'll see the BIBO2 printers listed under the **Other category** or **na category** as the screenshot below:

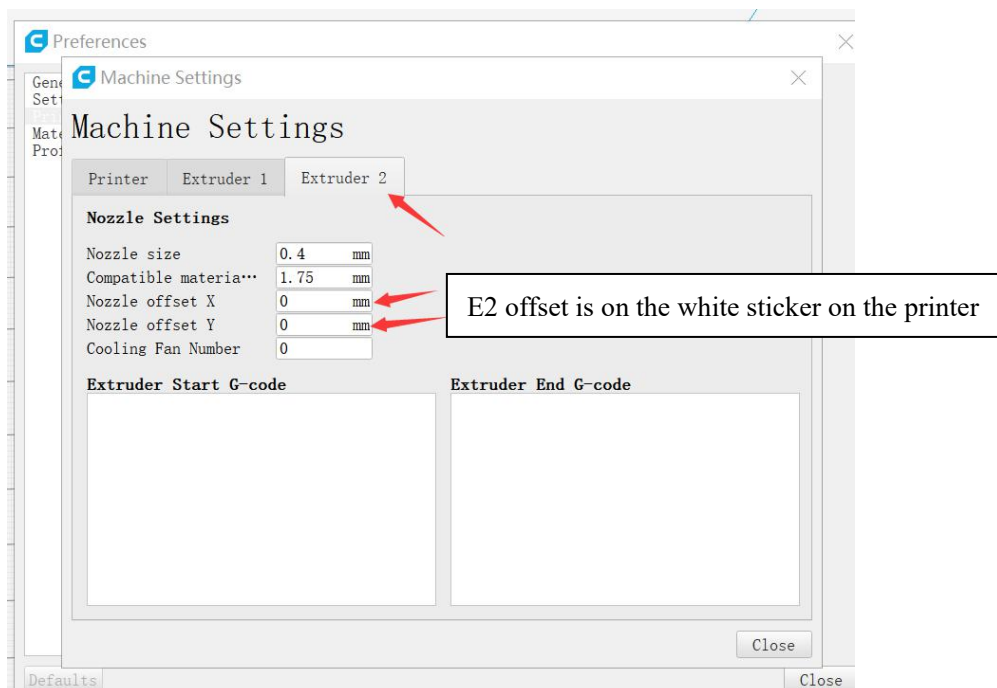


Now you can add the BIBO2 printers one by one. We have to revise the Extruder 1 and the Extruder 2 Compatible material... from **2.85** to **1.75** for **three** printers' Machine settings tab. Please go to Ultimaker Cura software menu Preference-Printers.





For the **machine BIBO2 dual**, 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 BIBO2 3d printers. You can download it here:

<https://drive.google.com/open?id=1VIlhxGIMkmxvsWMOEHPAtztLv3bn7zaU>

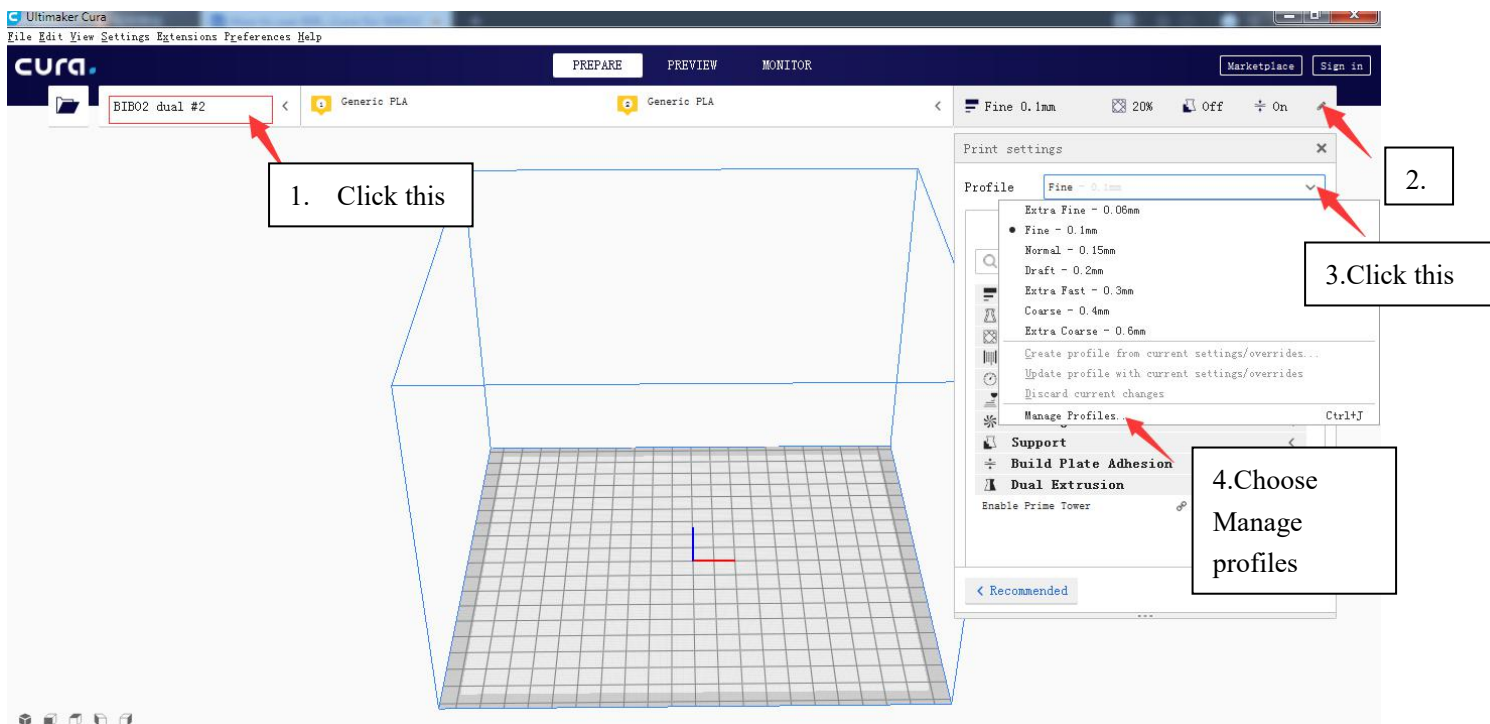
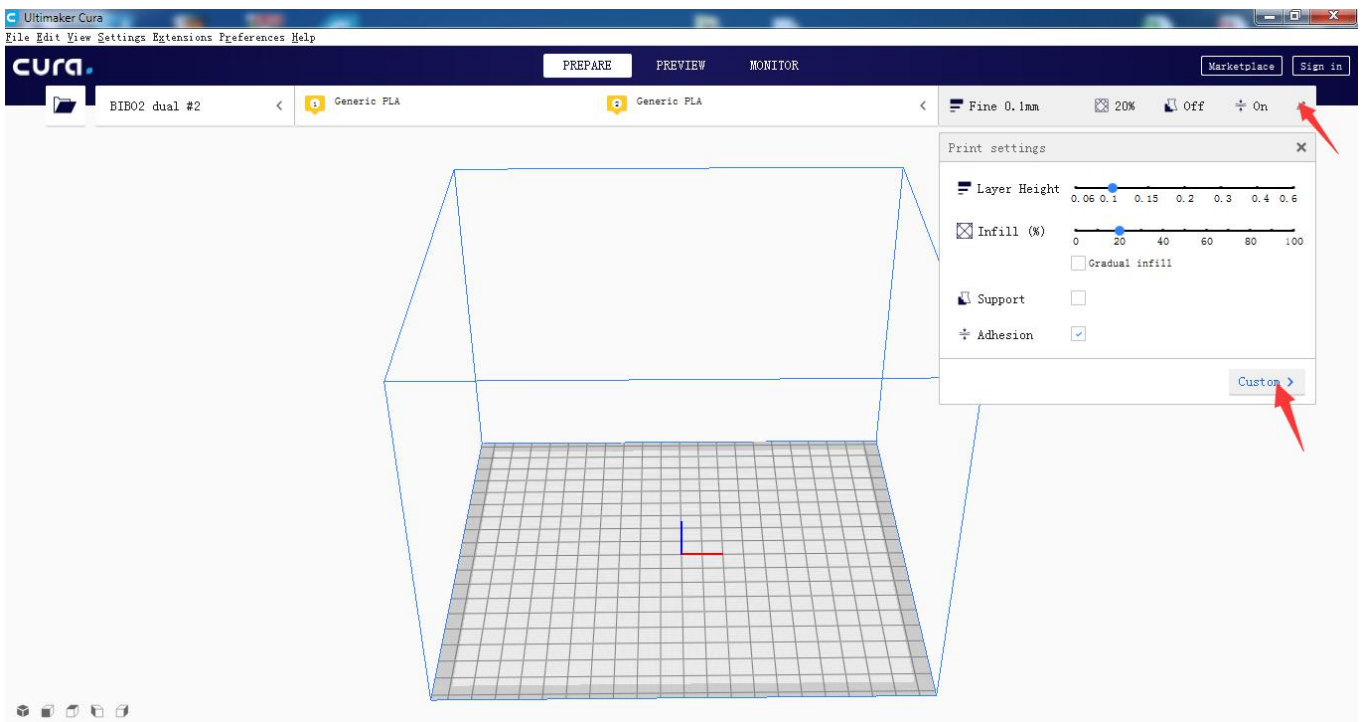
Please unzip it first. You will find some curaprofile format files.

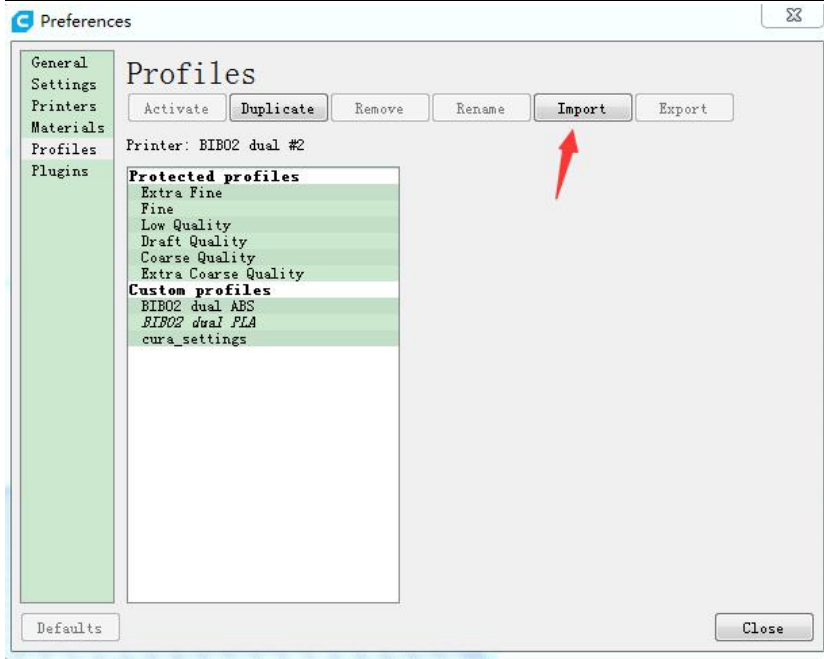
The file with name started with BIBO2 dual is for the machine BIBO2 dual .

The file with name started with BIBO2 E1 is for the machine BIBO2 single E1 .

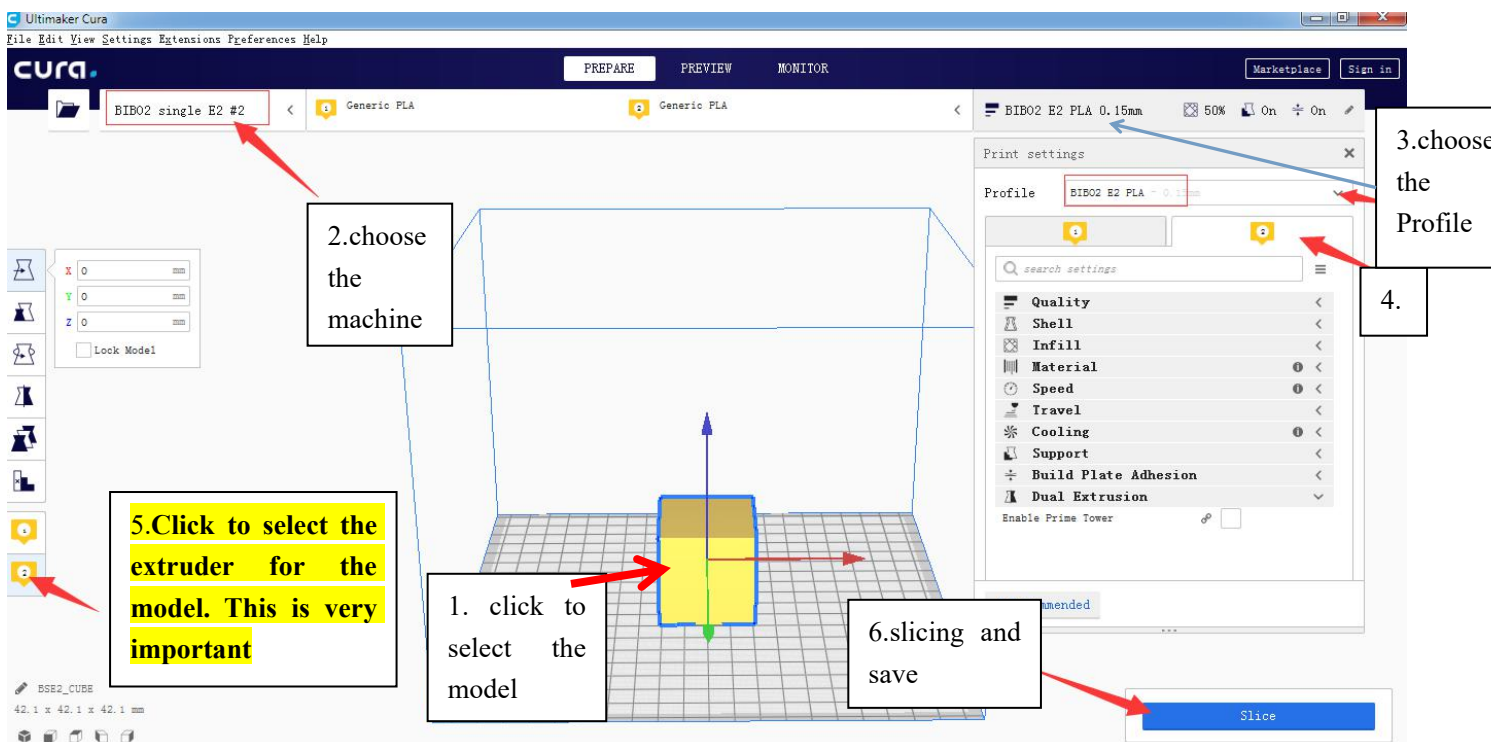
The file with name started with BIBO2 E2 is for the machine BIBO2 single E2 .

Now we should import these profiles to Ultimaker Cura for BIBO2 .

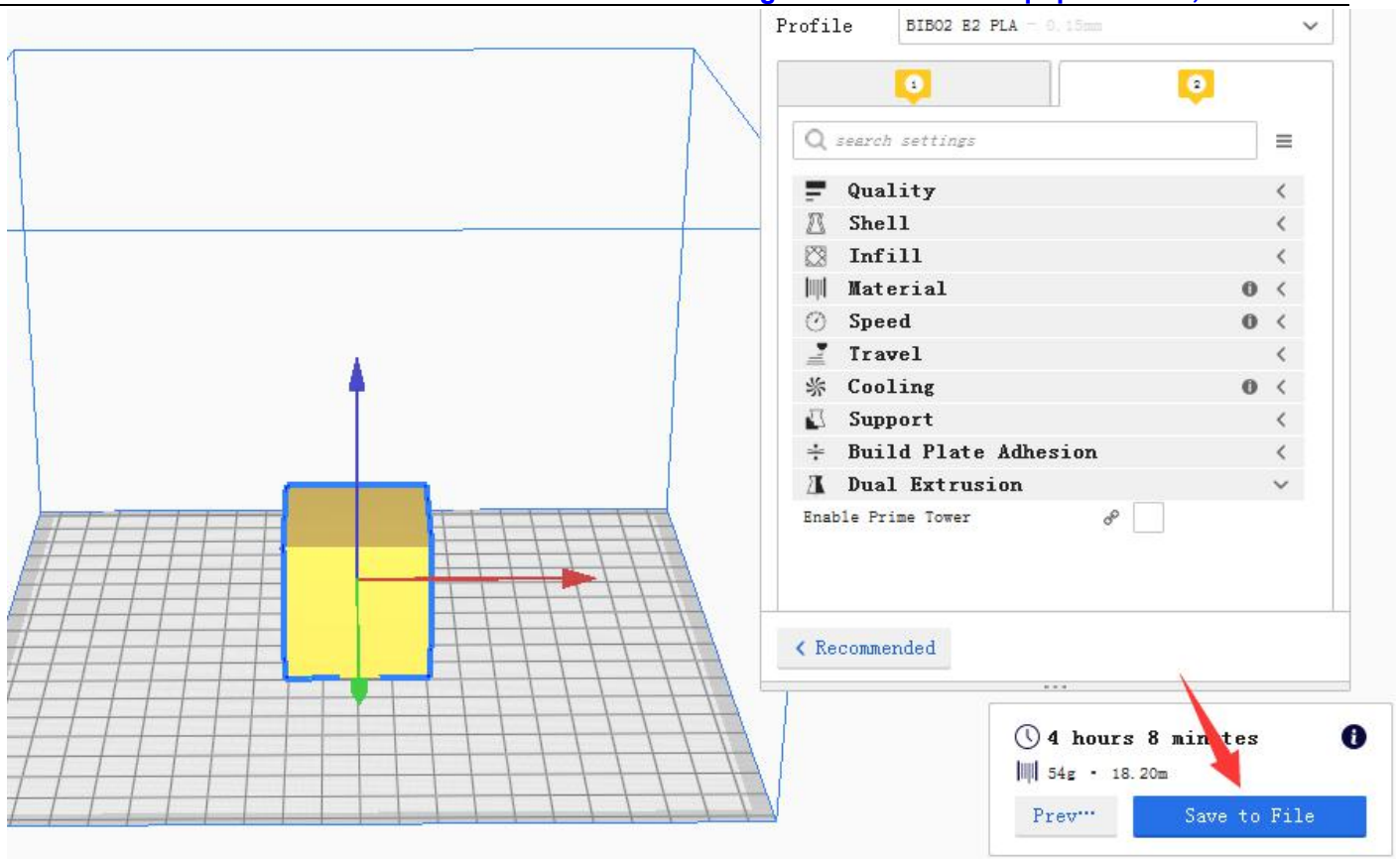




As BIBO2 printer has dual extruders, it can print in only E1, only E2, and dual extruders. Three printing modes have different start gcodes. So if we want to print in **only E2**, we should choose the **machine BIBO2 single E2**, and choose the **profile named BIBO2 E2**, and **select the model with BIBO2 E2**, or the printing will be not **successful**.

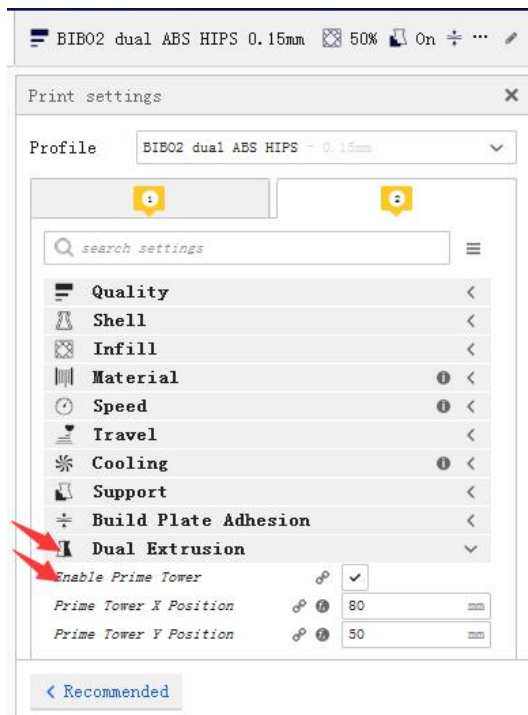


4. Now the model will be automatically sliced. You can click "Save to File" button to save the gcode file on the computer or SD card, then insert sd card with this gcode file to the printer and print from sd card directly.



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

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



The instruction for older version Ultimaker Cura, for example version 3.6

1. Install Ultimaker Cura on your computer. The details are here:

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Now make sure Ultimaker Cura is closed first.

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Six files (BIBO1.def.json, BIBO2 E1a.def.json, BIBO2 E1b.def.json, BIBO2 E2a.def.json, BIBO2 E2b.def.json and BIBO2.def.json) in the folder "extruders" are the extruders, and needs placed in "\\Program Files\\ Ultimaker Cura 3.6 \\resources\\extruders"

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BIBO2 single E1.def.json

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

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BIBO2 E1a.def.json

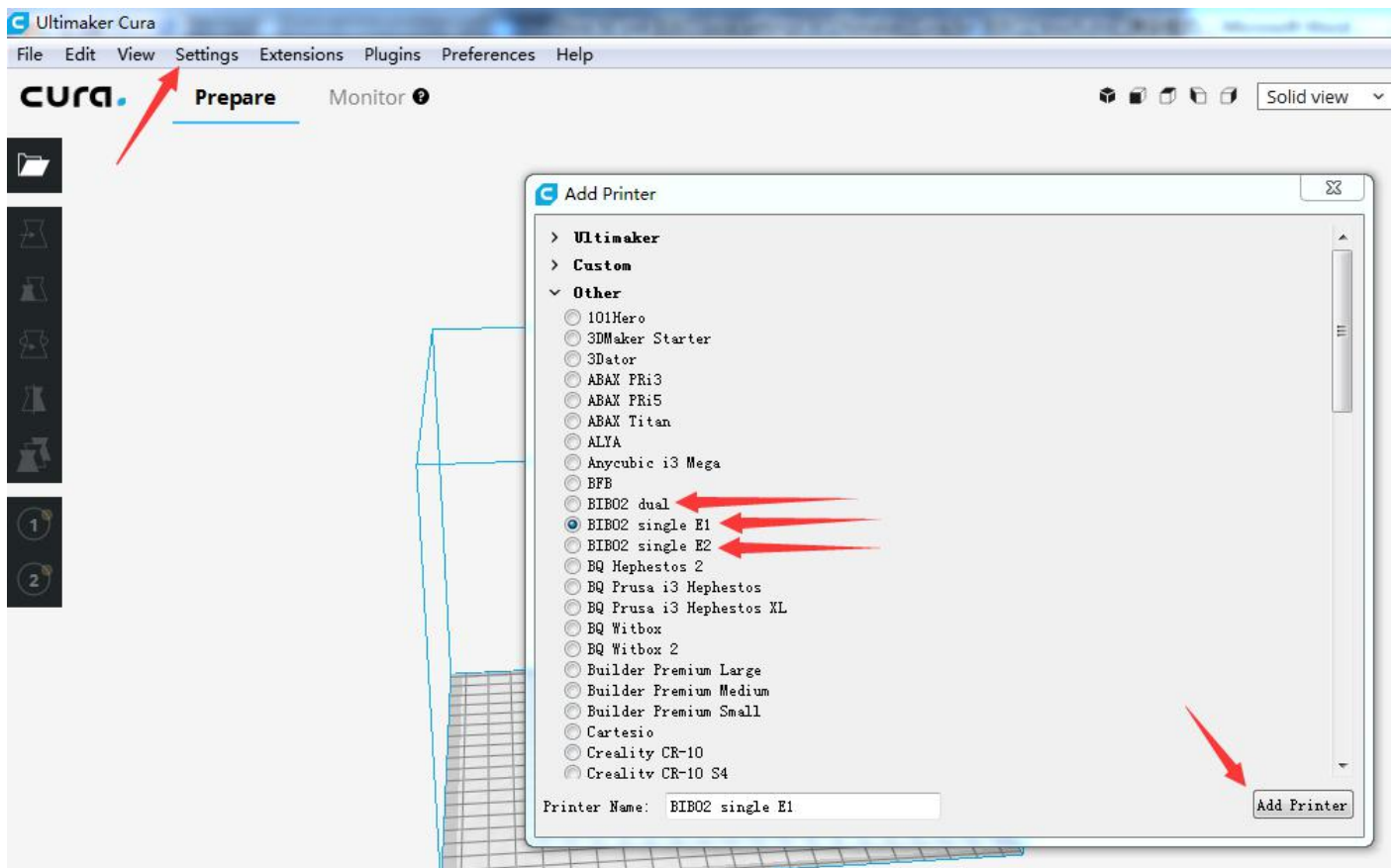
BIBO2 E1b.def.json

BIBO2 E2a.def.json

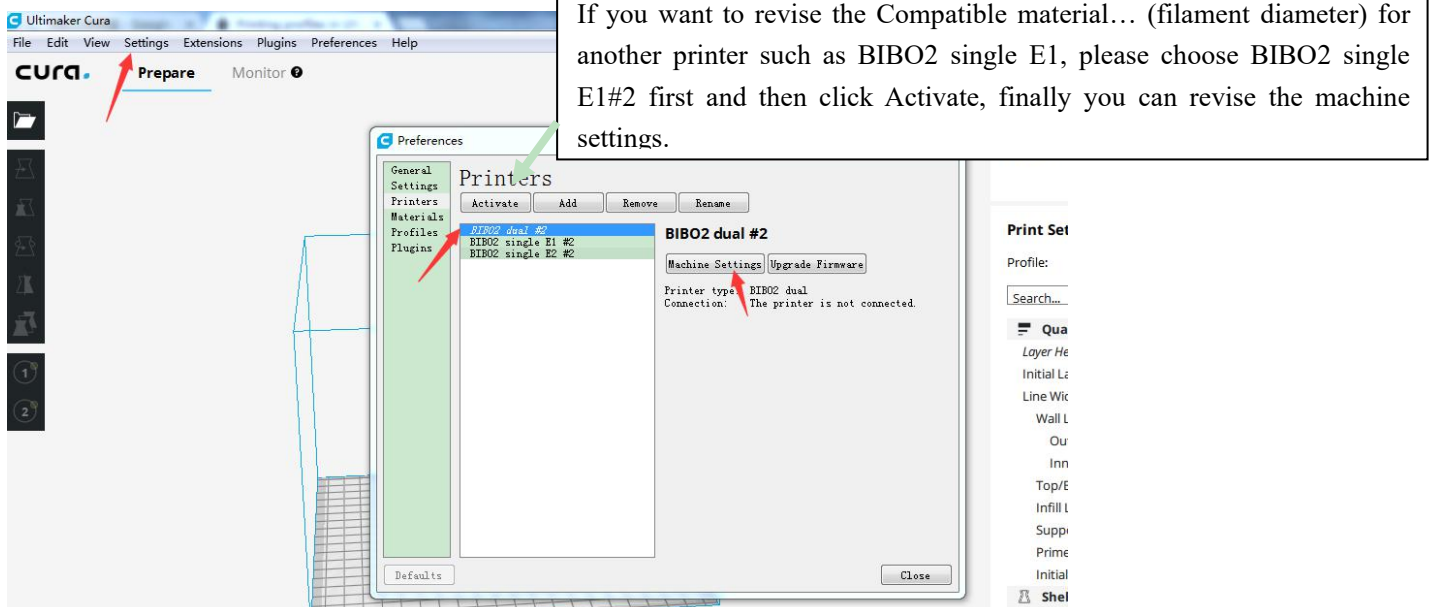
BIBO2 E2b.def.json

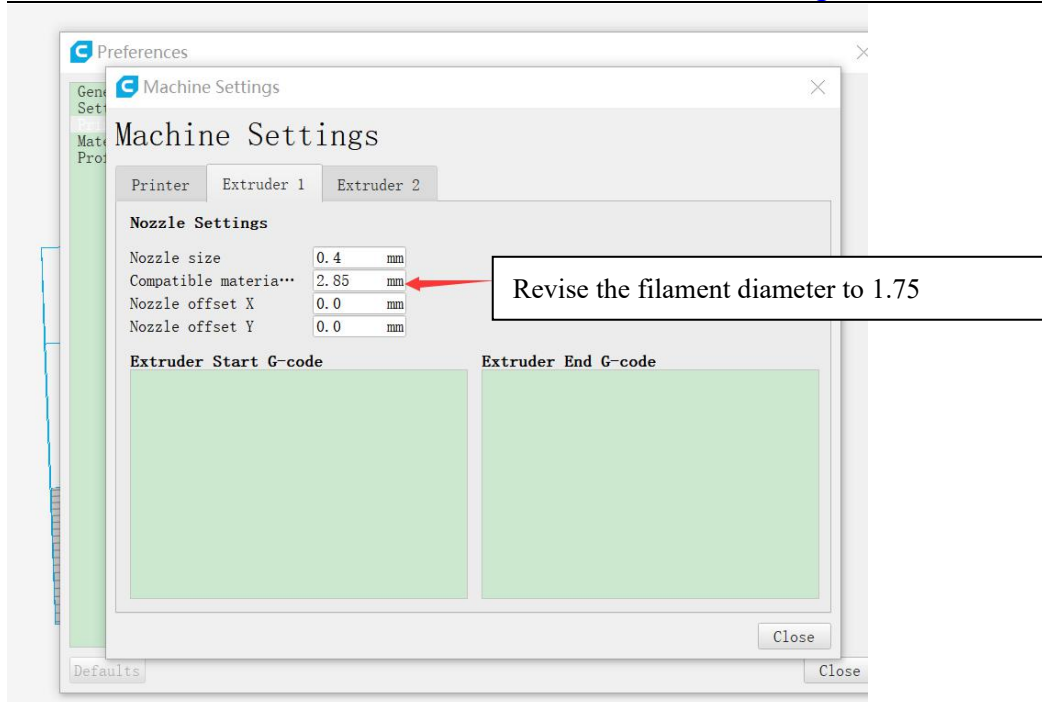
BIBO2.def.json

To use Ultimaker Cura with your BIBO2, first open Ultimaker Cura, then add a new printer through menu (Settings-Printer-Add printer). You'll see the BIBO2 printers listed under the Other category as the screenshot below:

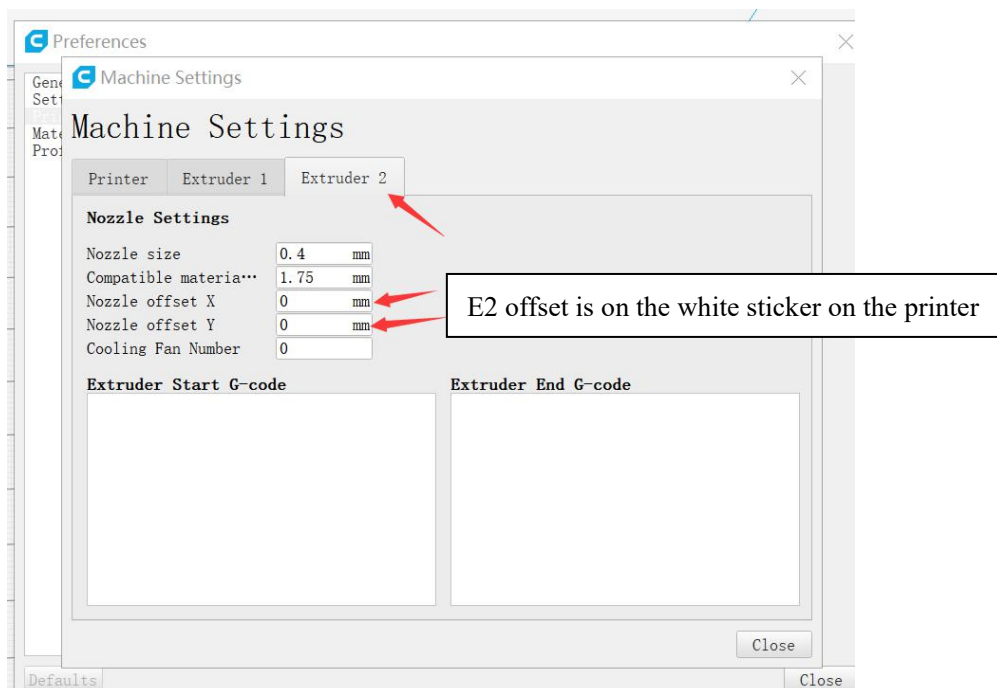


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For the **machine BIBO2 dual**, we have to file the extruder 2 offset and extruder start gcode. **Extruder 2 offset is on the white sticker on the printer**. Please go to Ultimaker Cura software menu Settings-Printer-Manager Printers as below:



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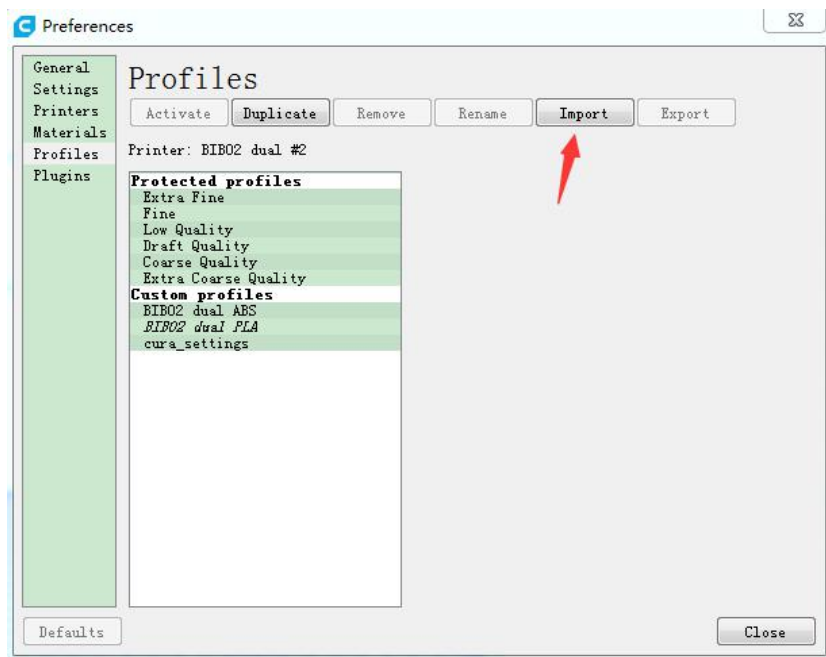
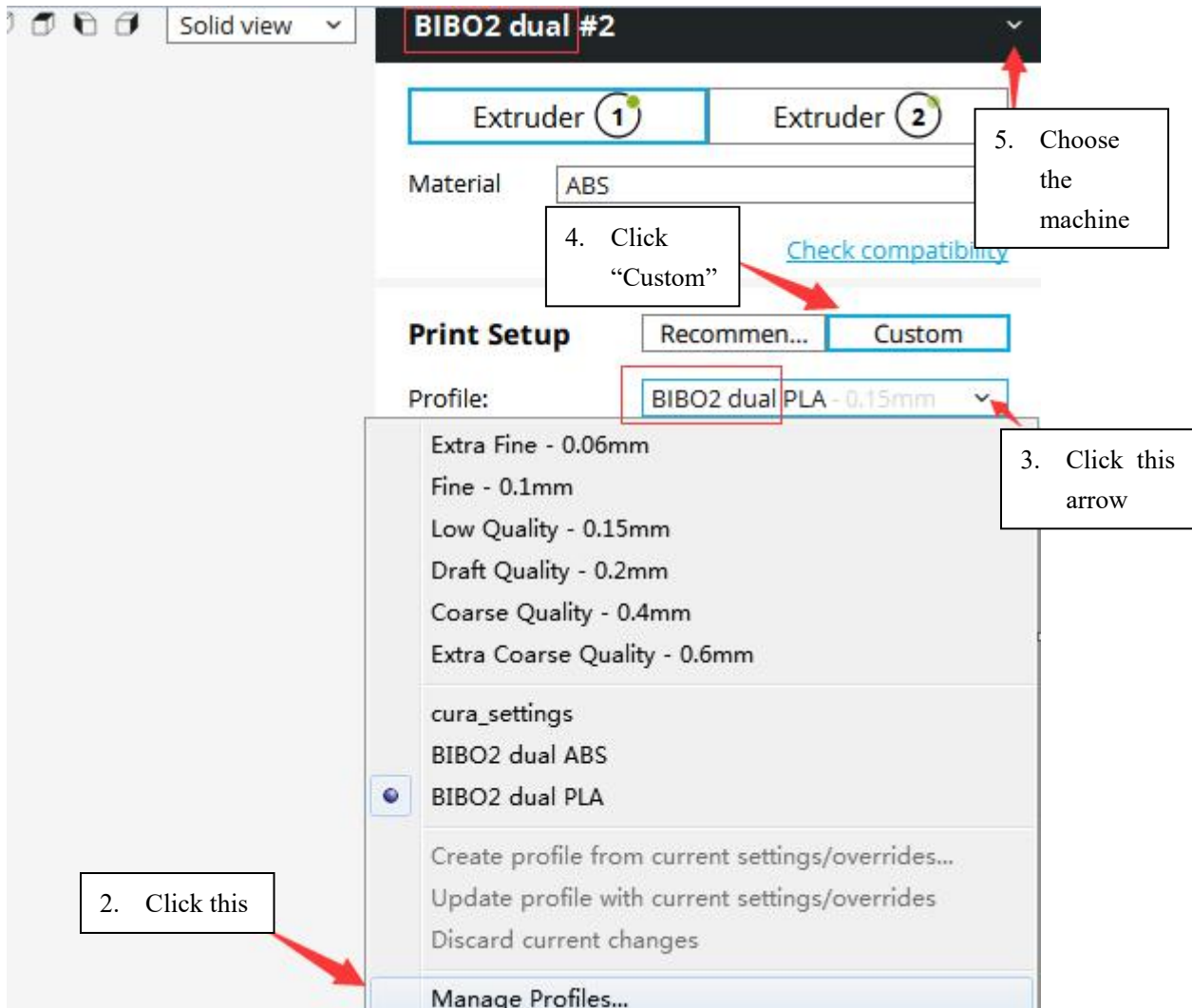
Please unzip it first. You will find some curaprofile format files.

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The file with name started with BIBO2 E1 is for the machine BIBO2 single E1 .

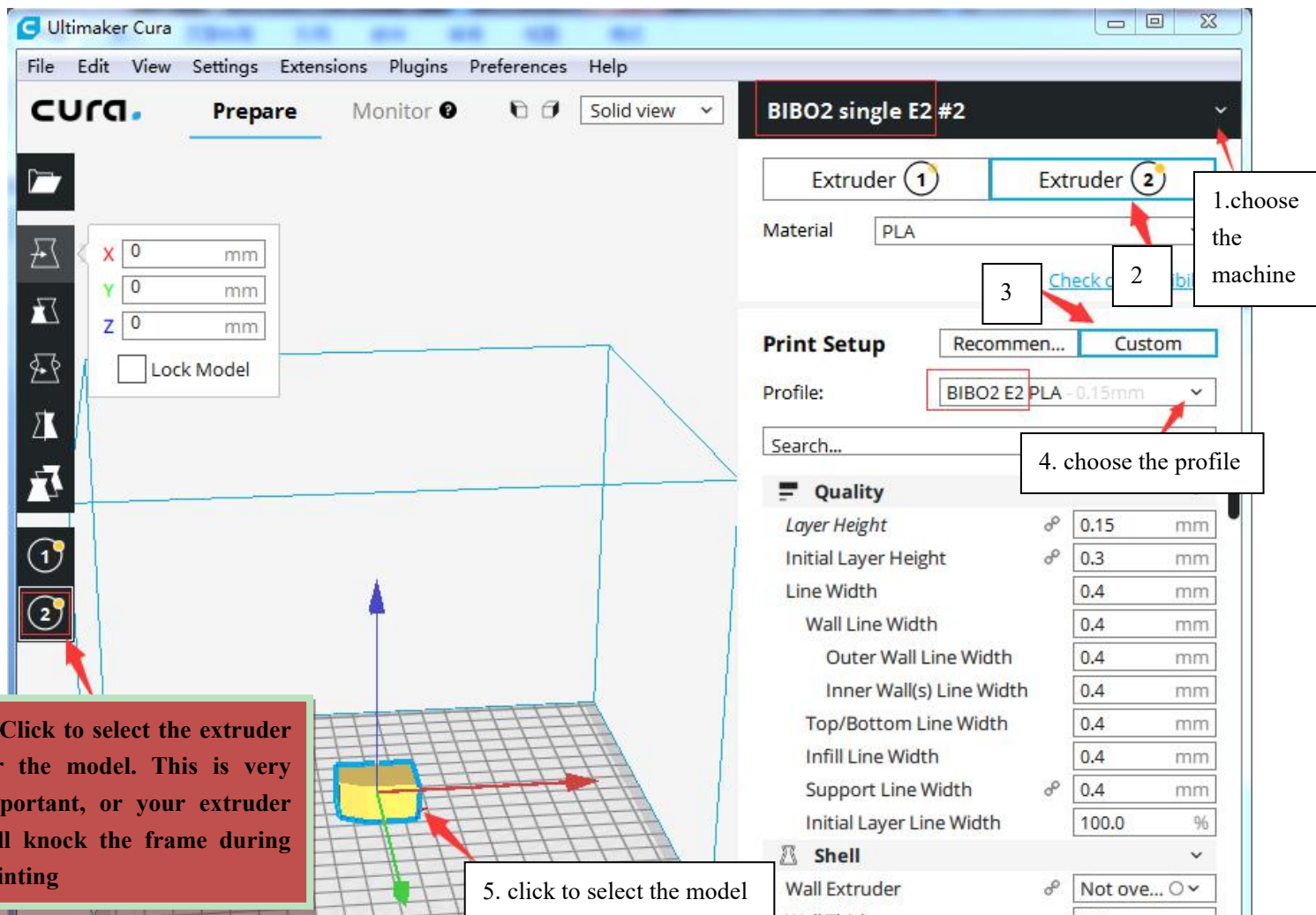
The file with name started with BIBO2 E2 is for the machine BIBO2 single E2 .

Now we should import these profiles to Ultimaker Cura for BIBO2 .

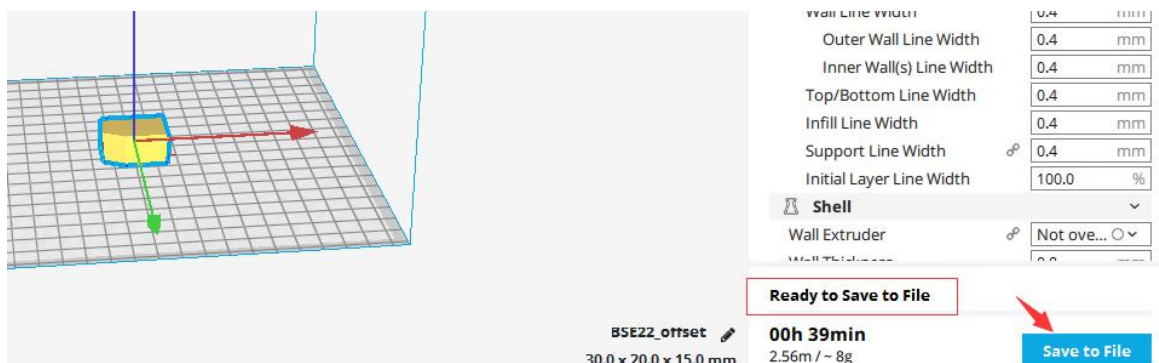


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