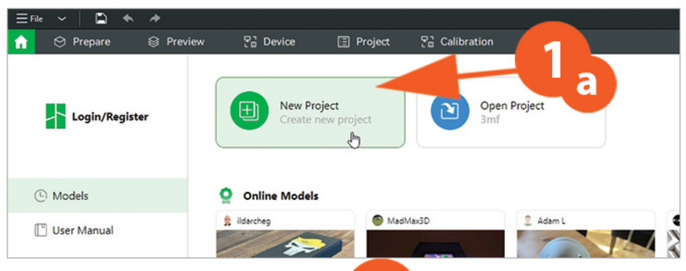
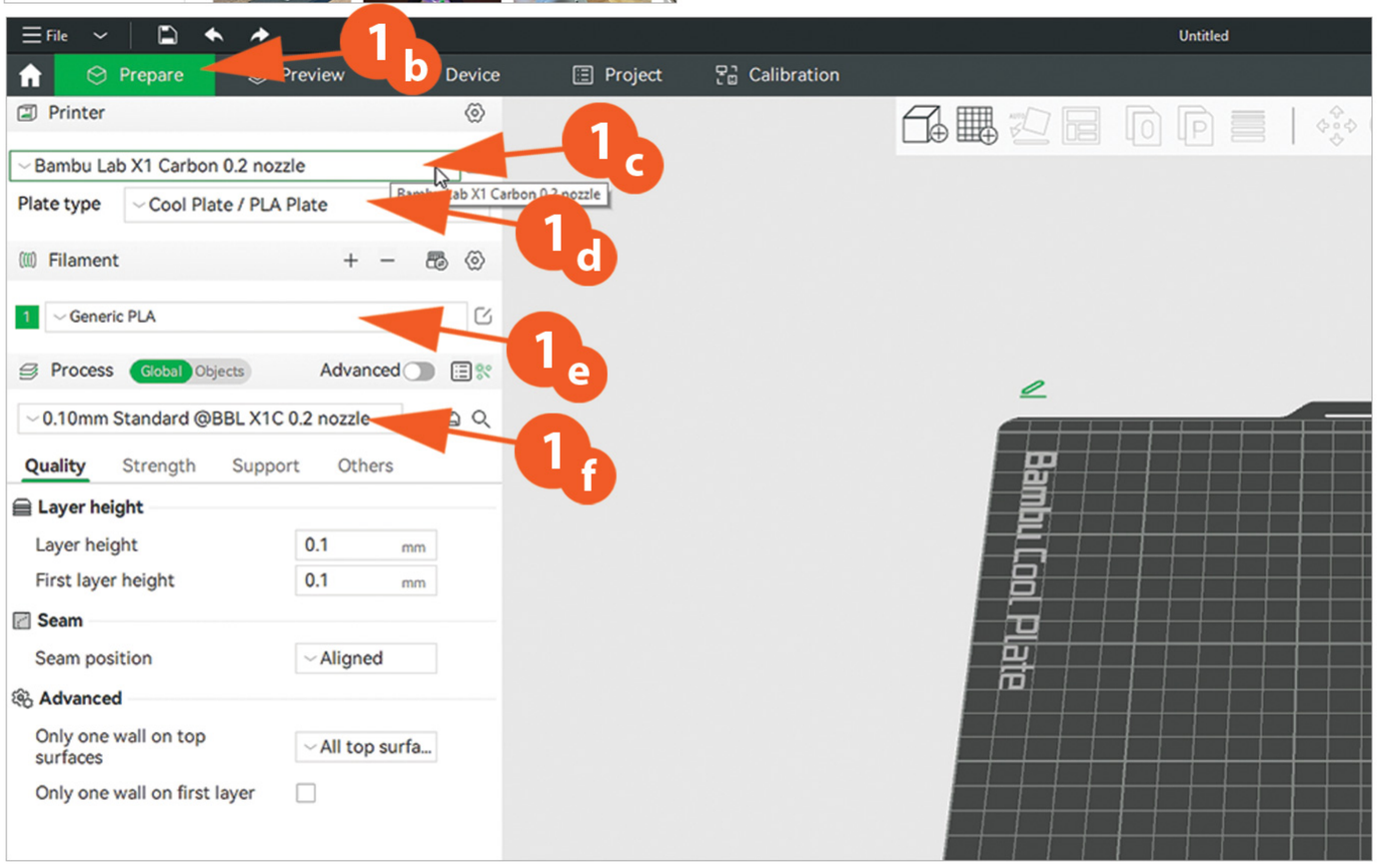
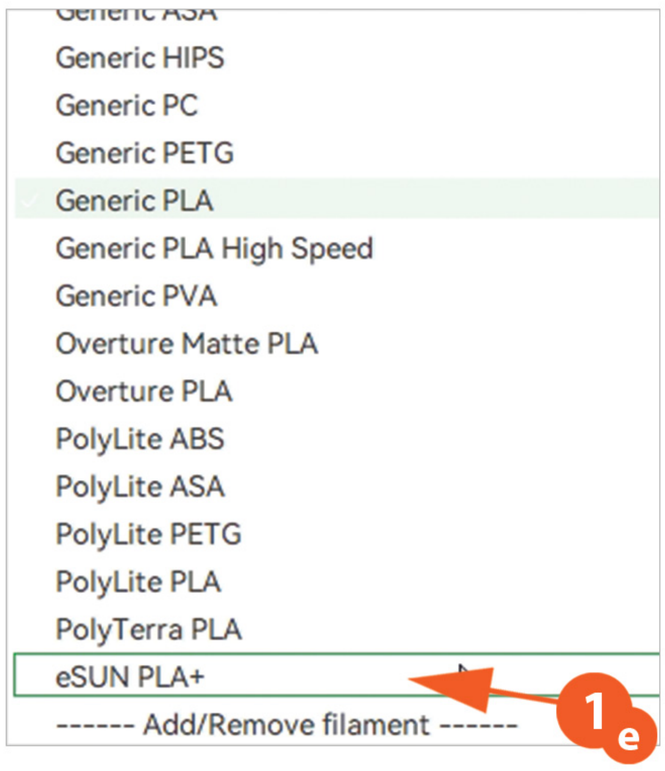
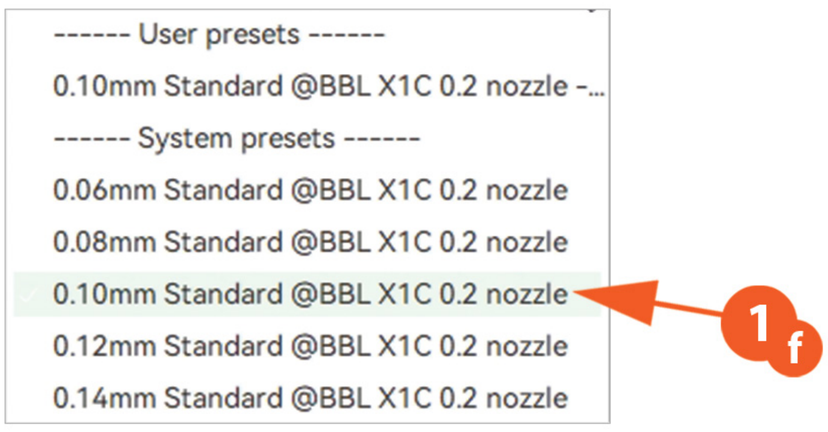
HOW TO PREPARE YOUR FILE & PRINT WITH THE BAMBU LAB X1 CARBON

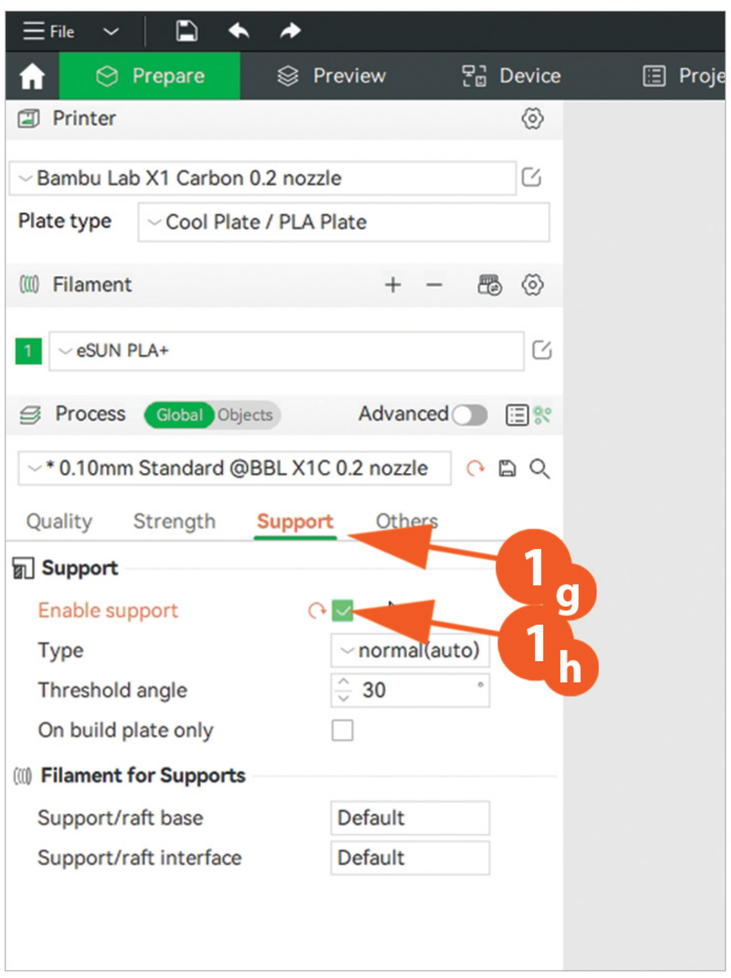
BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE
CONFIGURE SLICER











1

1a - Open the Bambu Slicer program and click on **New Project**

1b - You should now be on the **Prepare tab**

1c - Select **Bambu Lab X1 Carbon 0.2 nozzle**

1d - Select **Cool Plate / PLA Plate**

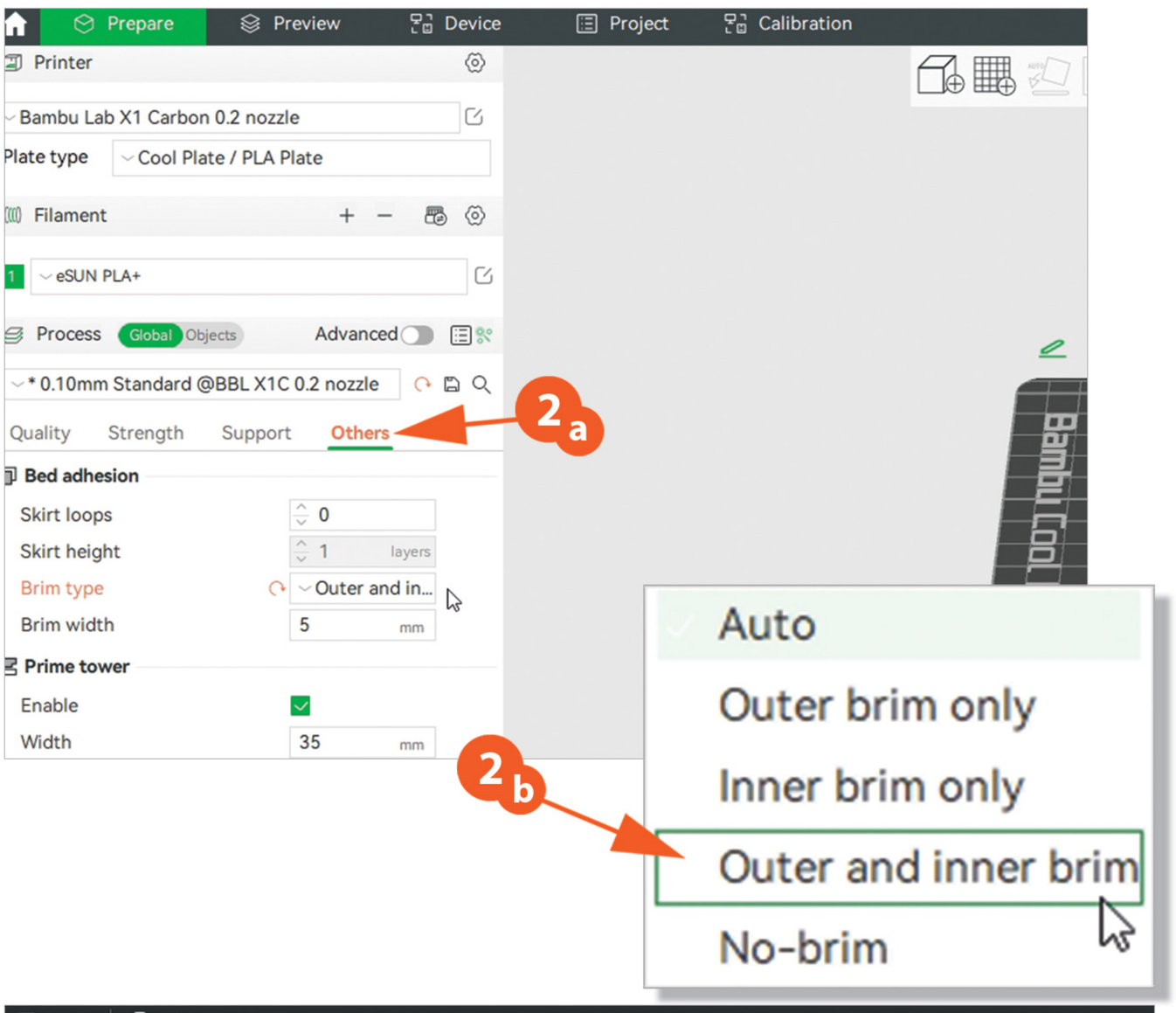
1e - Under Filament, select your filament type from the drop down menu. We are usually running Generic PLA or eSUN PLA+

1f - For the nozzle setting,
pick one from the drop down menu.
The best quality/highest resolution is 0.06mm
The lowest quality/resolution is 0.14mm

1g - If you require supports for your object, click on the **Support tab**

1h - Click on the **Enable Support** check box

BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE
IMPORTING YOUR OBJECT

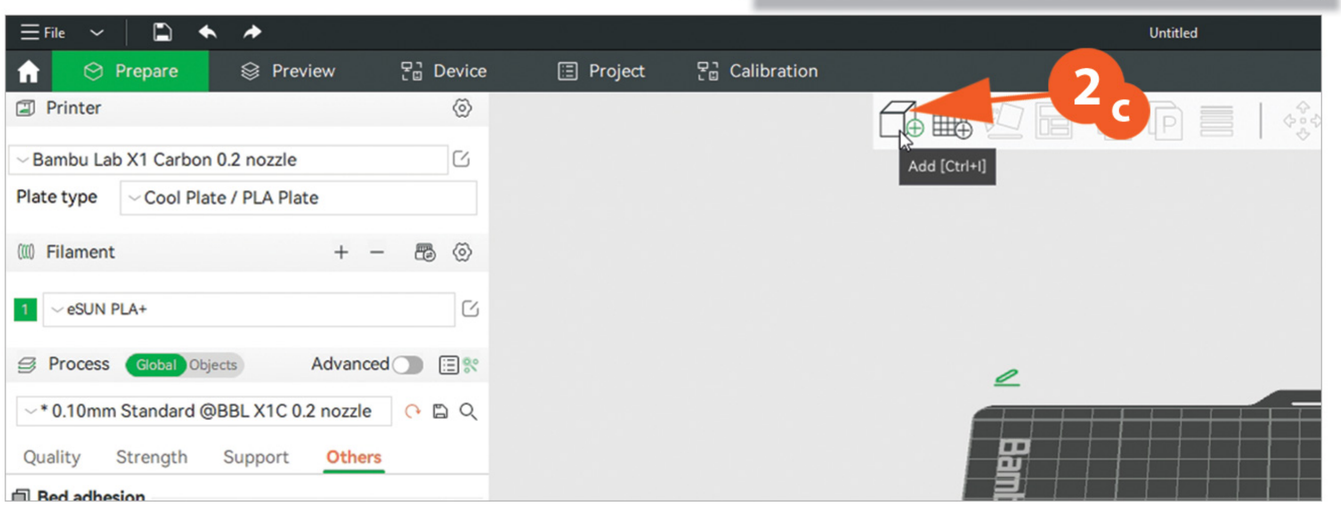


2

If you need a brim (extra material at base to start your print, if it has a small contact area or parts not connected together at the base)...

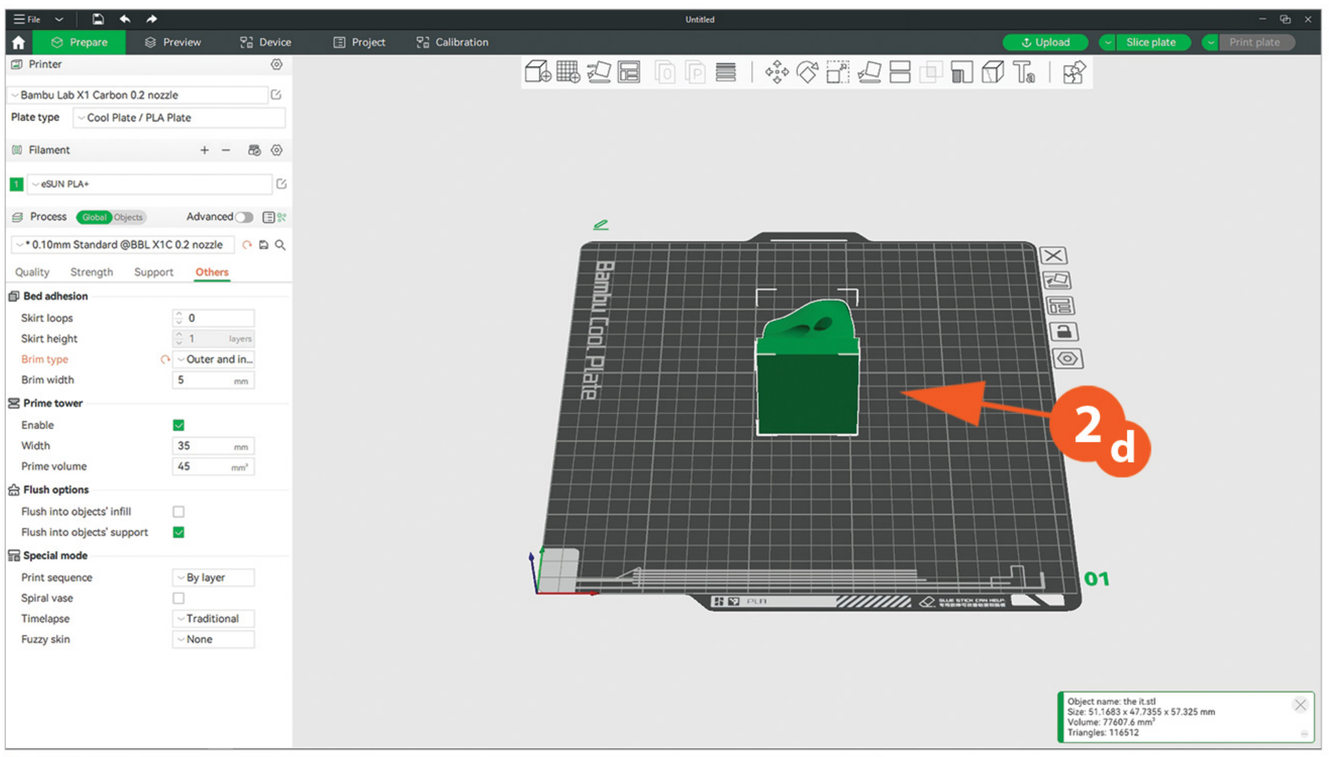
2a - Click on the **Others tab**

2b - Select **Outer and inner brim** from the drop down menu

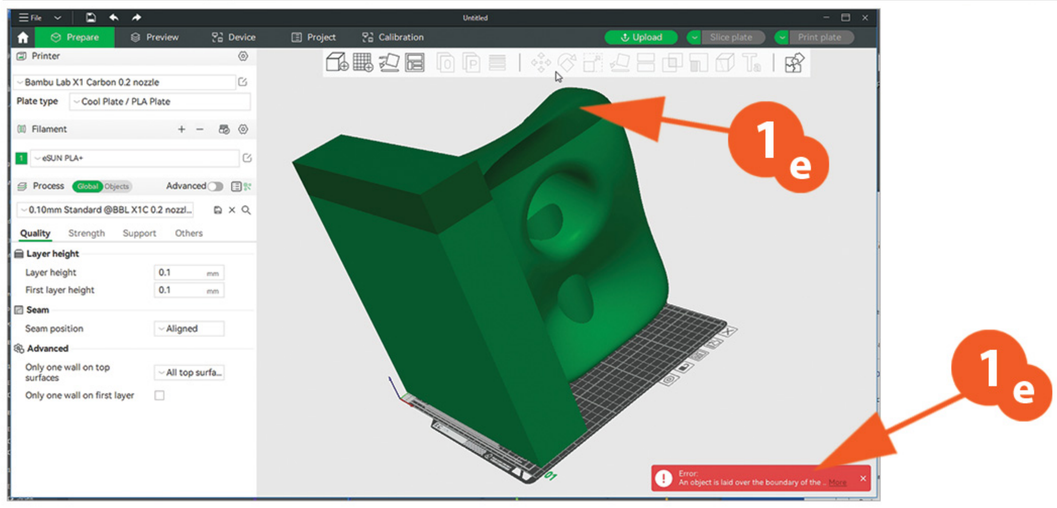


Now you are ready to add your 3D object or objects. You will need to exported your object from your 3D program to an **STL file**
Other supported files are: .obj, .3mf, .stp, .svg, .step & .stp

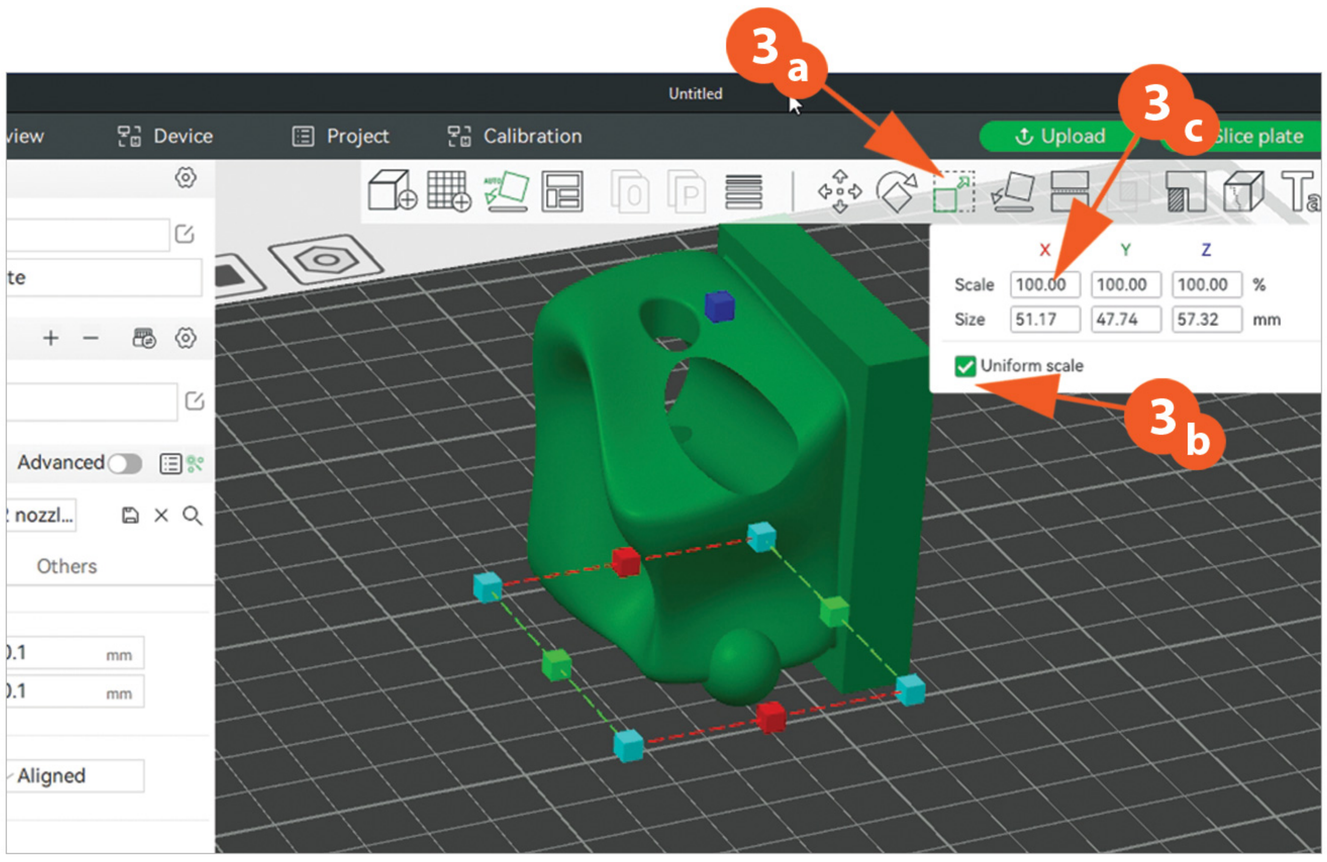
2c - Click on the **add object** icon



2d - Your object should appear on the print bed in green.



2e - If it has dark green on the object and a red warning message at the bottom, the object is to large to print
If your object is to large you have the following choices:
- Go back to your 3D program and scale it down
- Go back to your 3D program and rebuild it as 2 or more parts



3

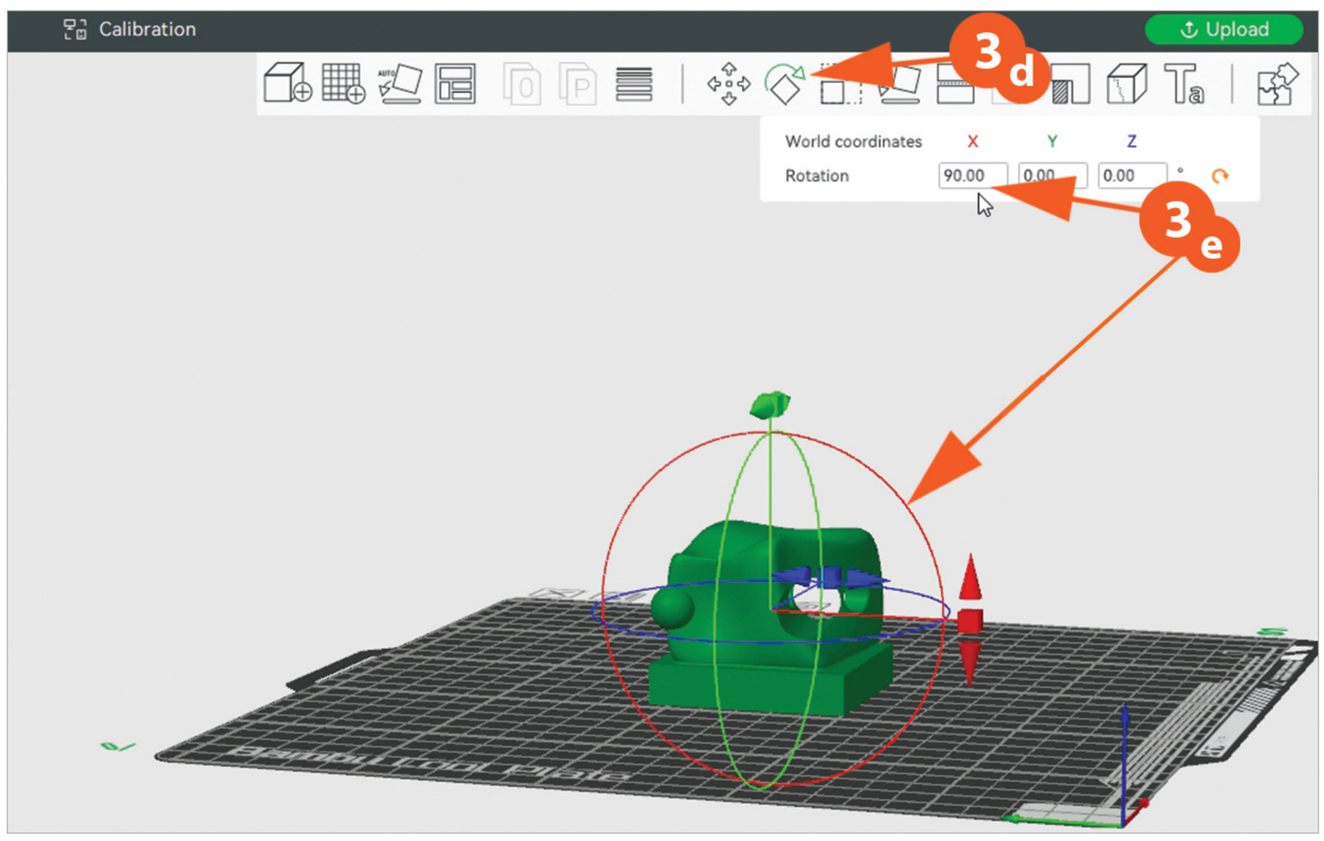
If you need to modify or orientate your object proceed with the following. Select the objecct and...

SCALING

3a - Click on the **Scale Icon**

3b - The **Uniform Scale Checkbox** should be checked

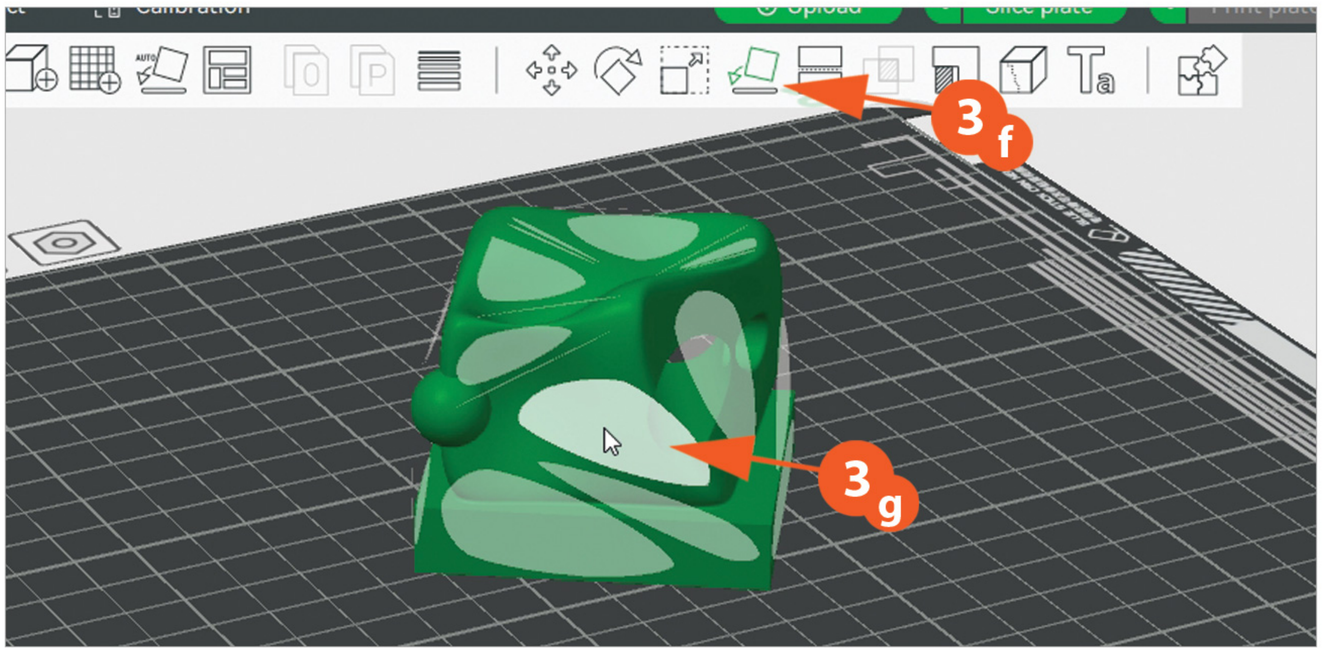
3c - Enter the new scale number & press **Enter**



ROTATE

3d - Click on the **Rotate icon**

3e - Enter in the number of degrees you would like the object to rotate on the correct axis and press **enter**

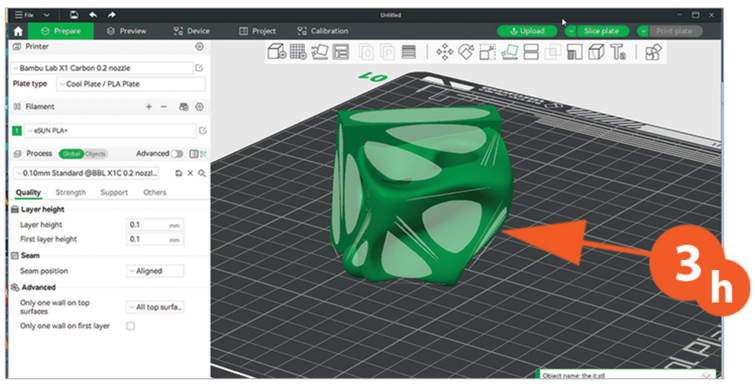


LAY ON FACE

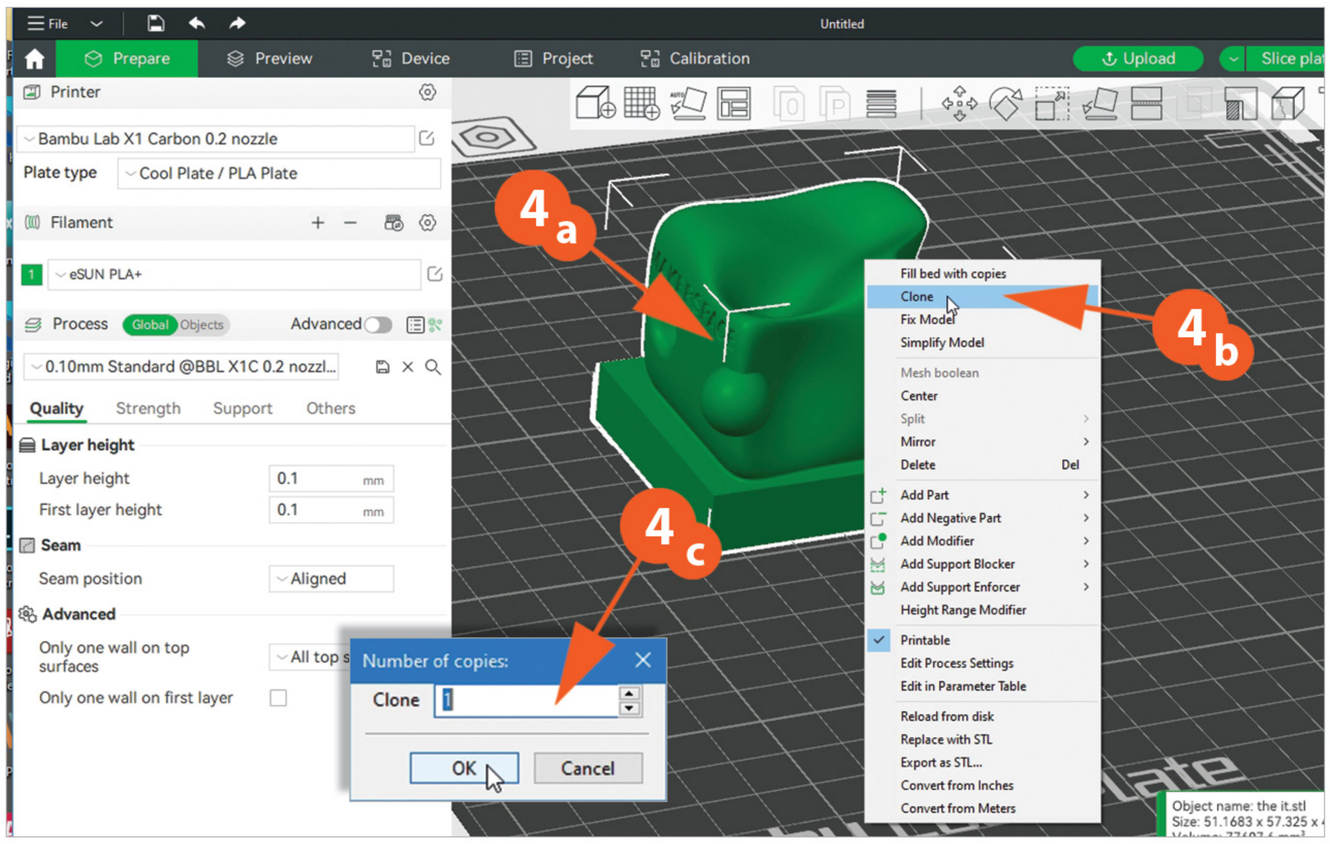
3f - Select the **Lay On face** icon

3g - Click on the face you would like your object to lay down onto the print bed

3h - Press **enter** and your object will rotate the choosen face to lie flat on the print bed



BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE
DUPLICATE, SUPPORT & BRIM FOR YOUR PRINT



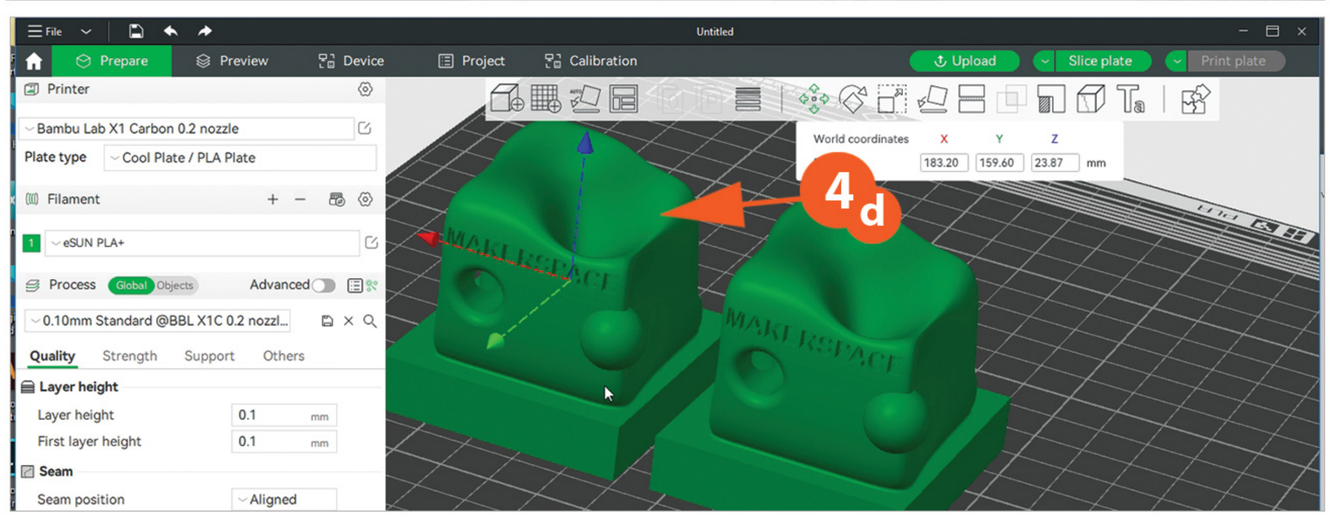
4

DUPLICATE/CLONE
To duplicate & create multiples of your object proceed with the following...

4a - **Right Click** on your object

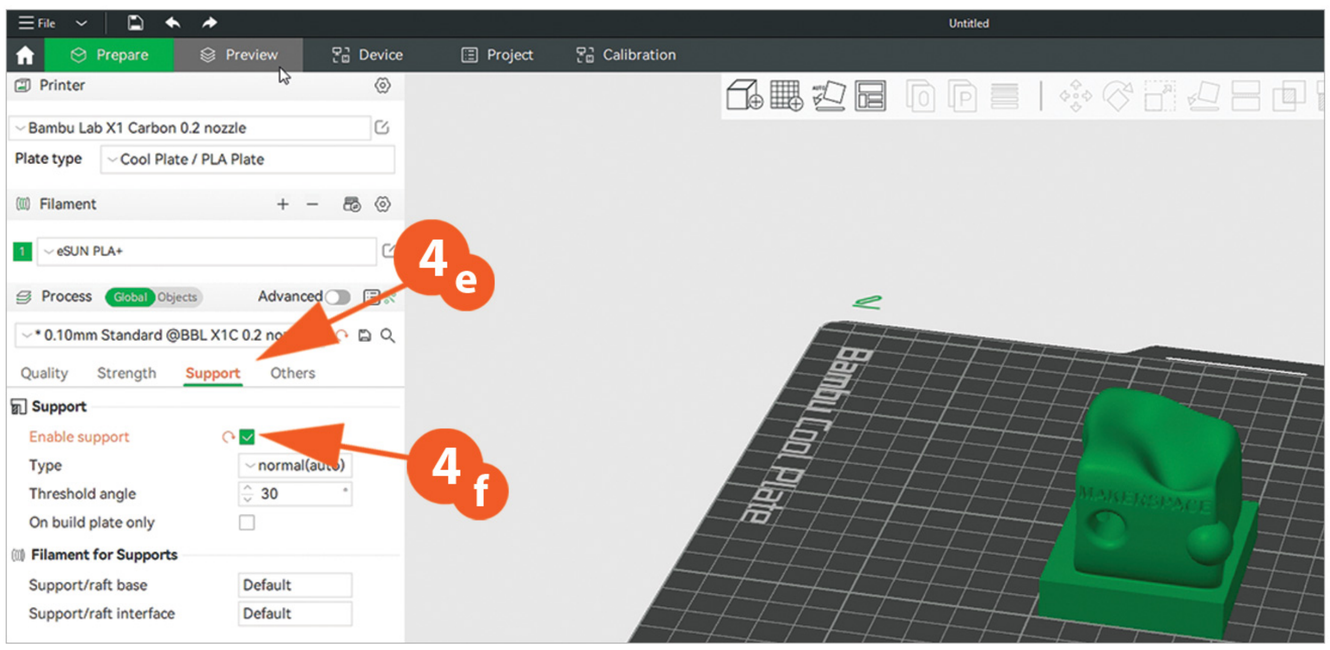
4b - From the **Pop-Up Menu** select **Clone**

4c - Enter the number of copies you would like and click **Ok**



You will now need to move the new objects so they are not overlapping each other

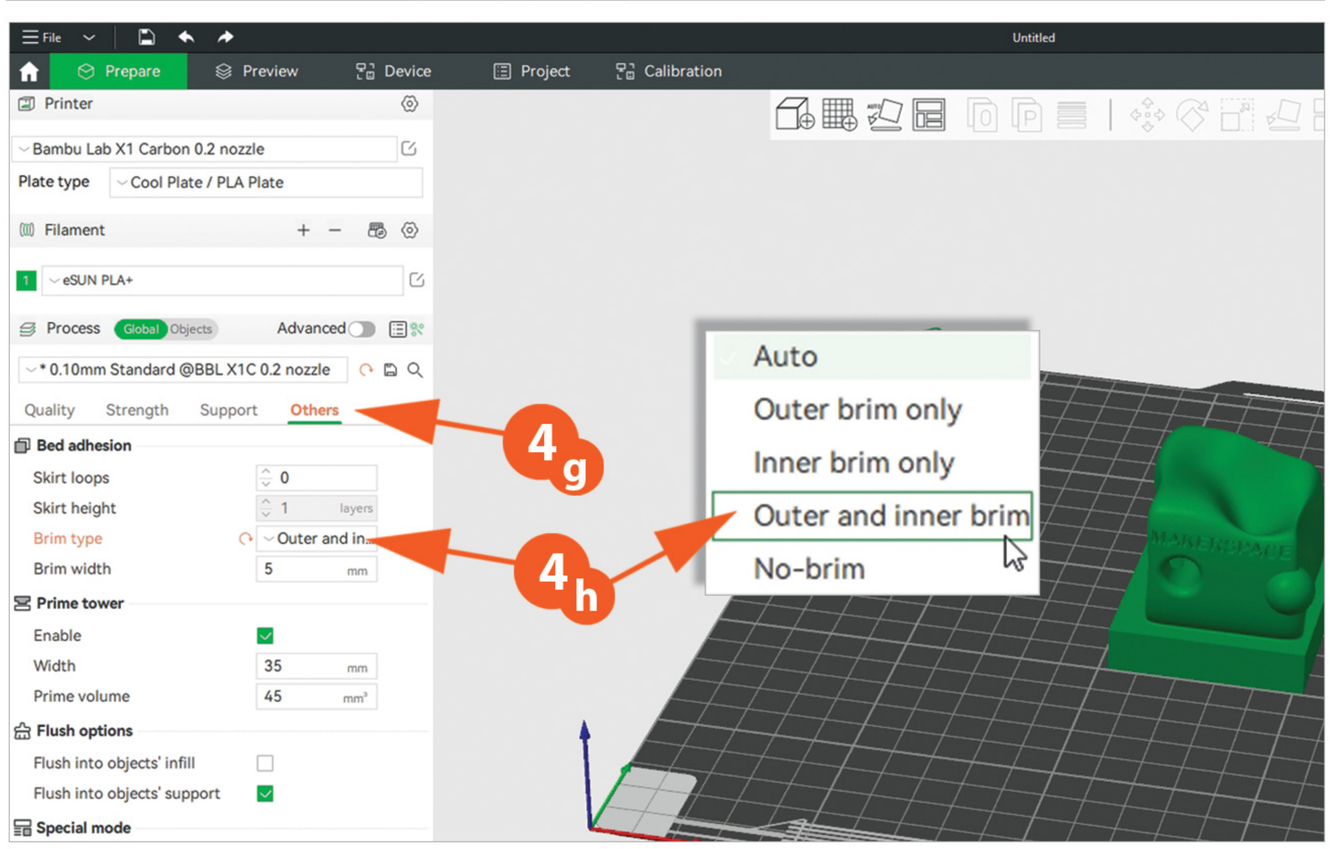
4d - Click on the object and drag it so it is clear of the other object



SUPPORTS
If your object requires supports (if it has anything that overhangs)....

4e - On the **Support Tab**...

4f - Click the **Enable Support checkbox**

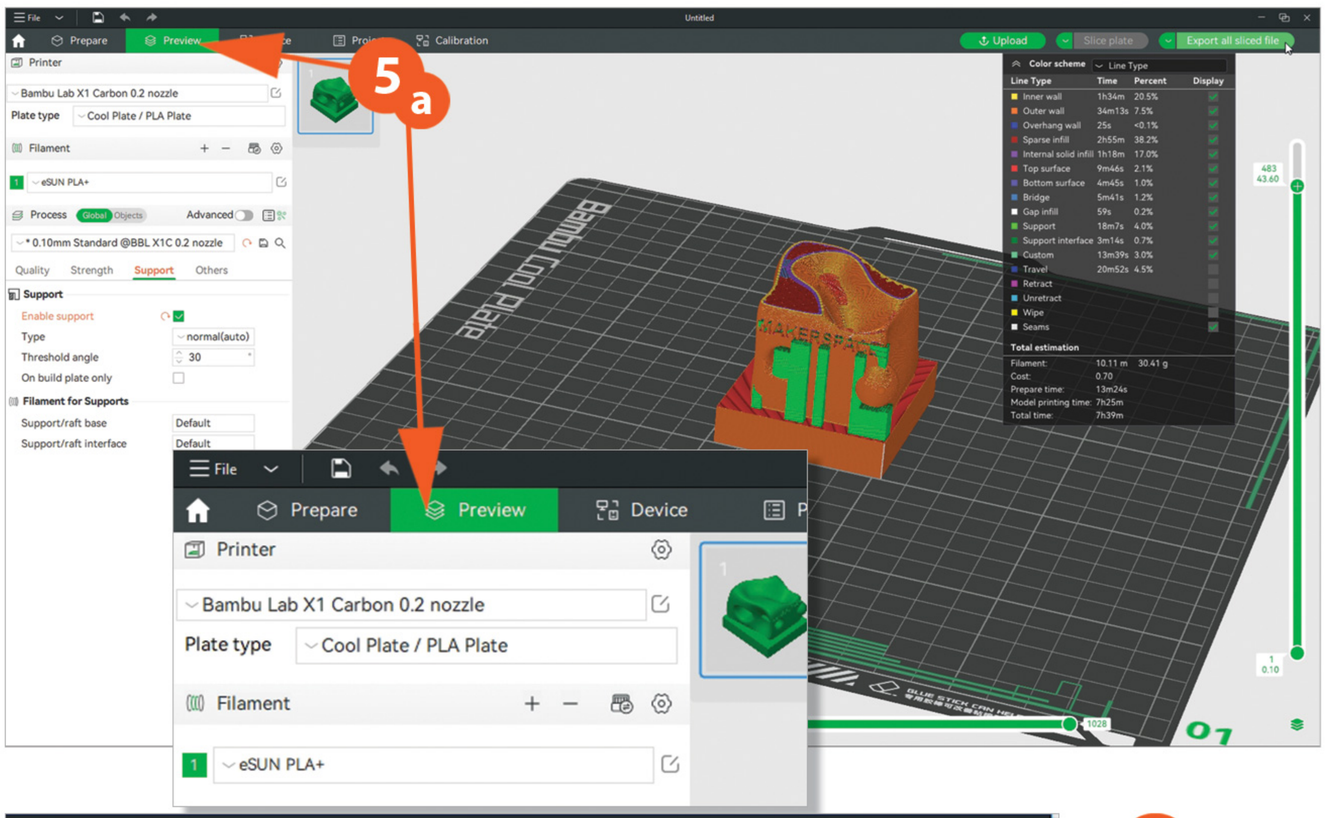


BRIM
If your object requires a Brim (if it has a small bottom contact area, or unconnected parts at the bottom)....

4g - On the **Others Tab**...

4h - On Brim type, select the **Outer & inner Brim**

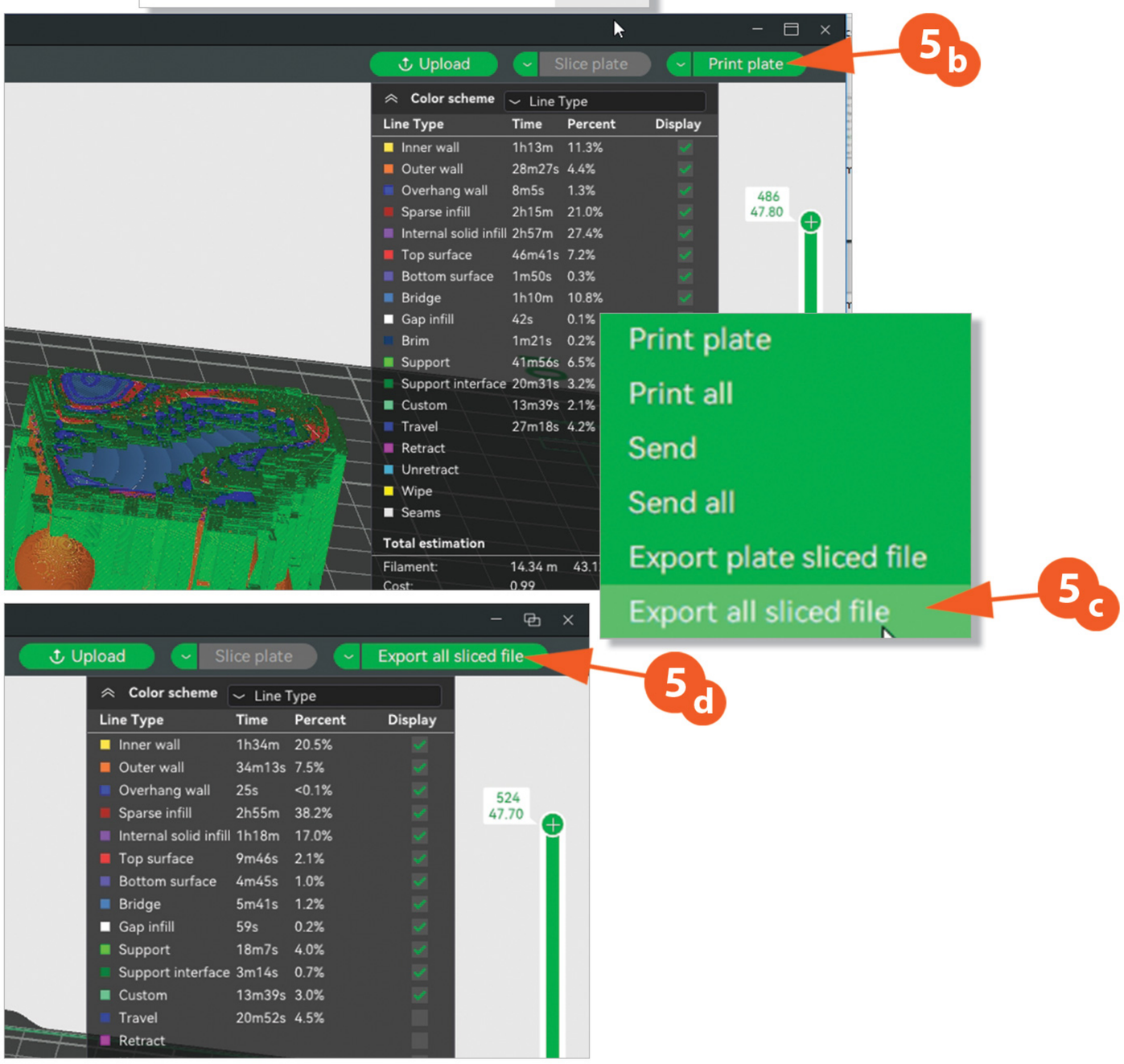
BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE
SLICING YOUR PRINT



5

You are now ready to slice your print.

5a - Click on the **Preview tab**
this will slice & preview your model, including any supports or brim you are using.
Your model will now be orange, the supports green and the brim blue.
You will see warnings if the bambu Studio thinks you should be using supports.
If you need to modify your settings click on the **Prepare tab** to go back and edit the settings



5b - Now click on the **Print/Export** button

5c - From the drop down menu, select **Export all sliced file**

5d - Now click on the **Export All Sliced File**

5e - Choose where to save the file. The Bambu's use SD cards

5f - Click on **Save**

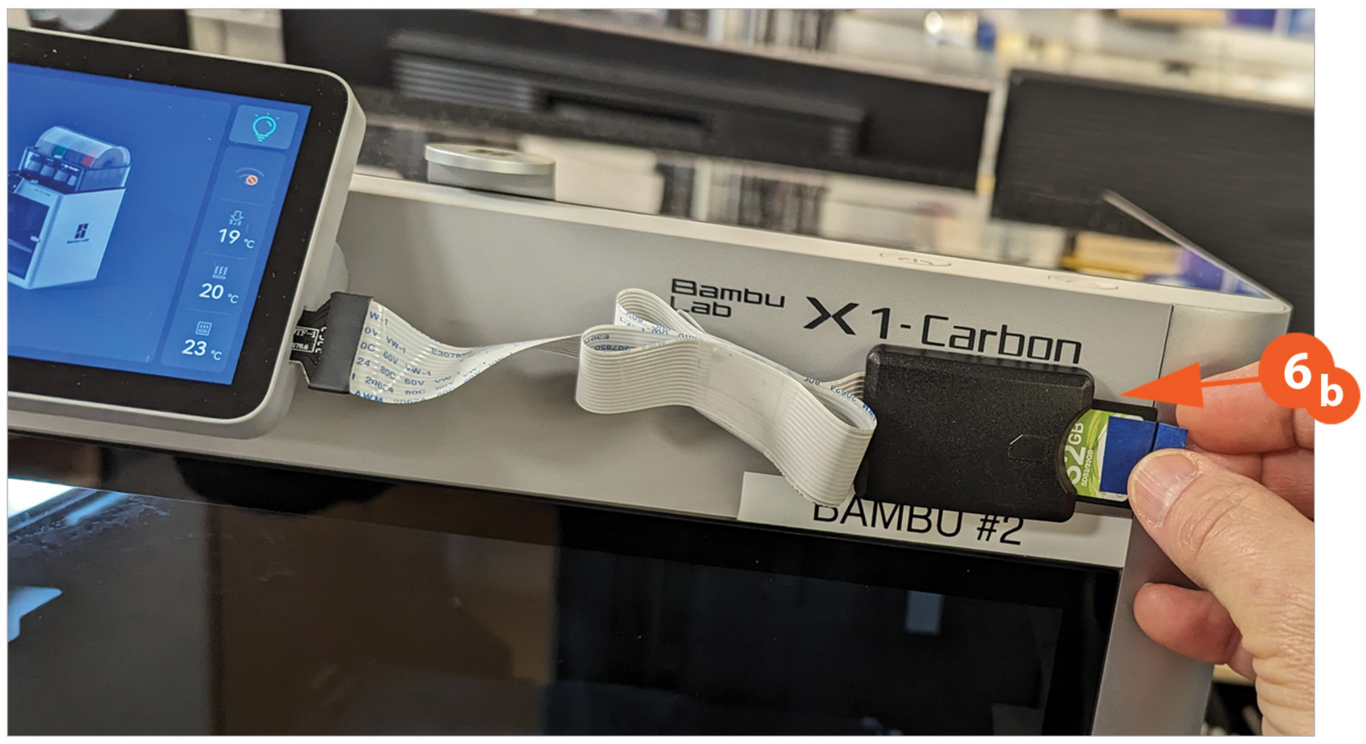
Eject your SD card and head to the Bambu X1 Carbon printer

BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE

LOADING YOUR PRINT INTO THE BAMBU X1 CARBON

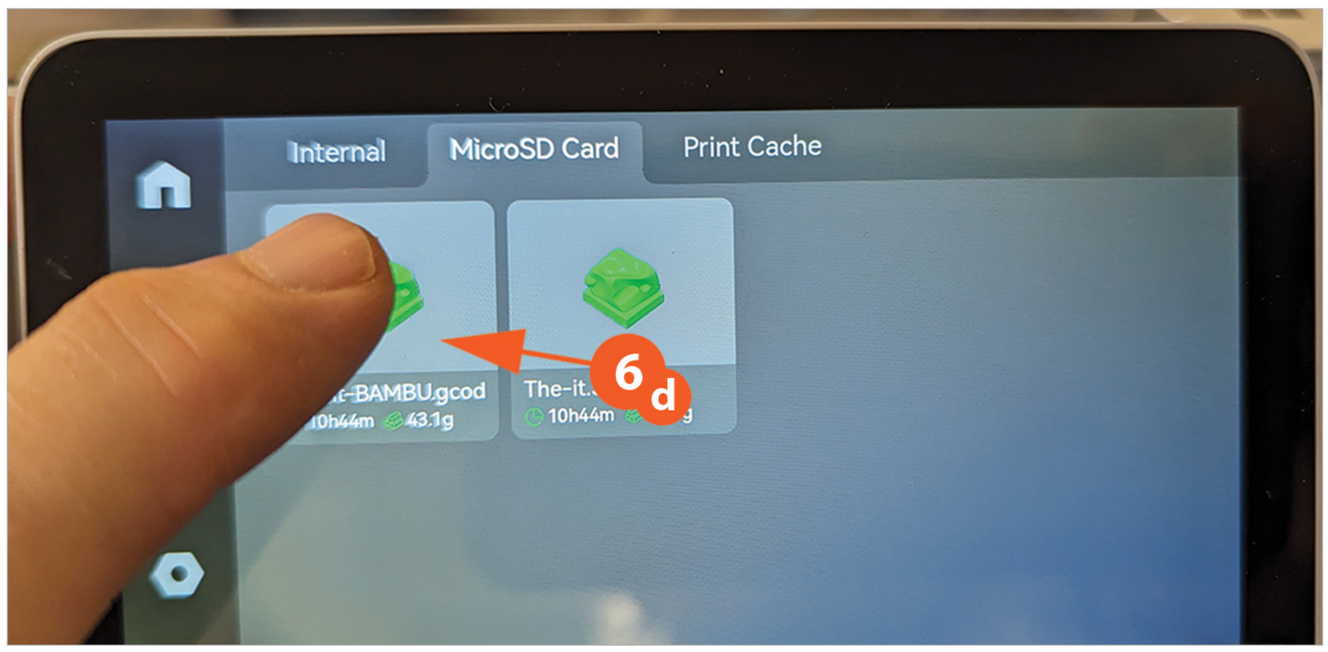
6

6a - Turn on the **power** of the Bambu X1 Carbon at the back lower right



6b - Insert your SD card into the SD adapter at the top right of the Bambu X1 Carbon
If you cannot see your print, try restarting the printer. If you still cannot see it check your card or talk to the tech

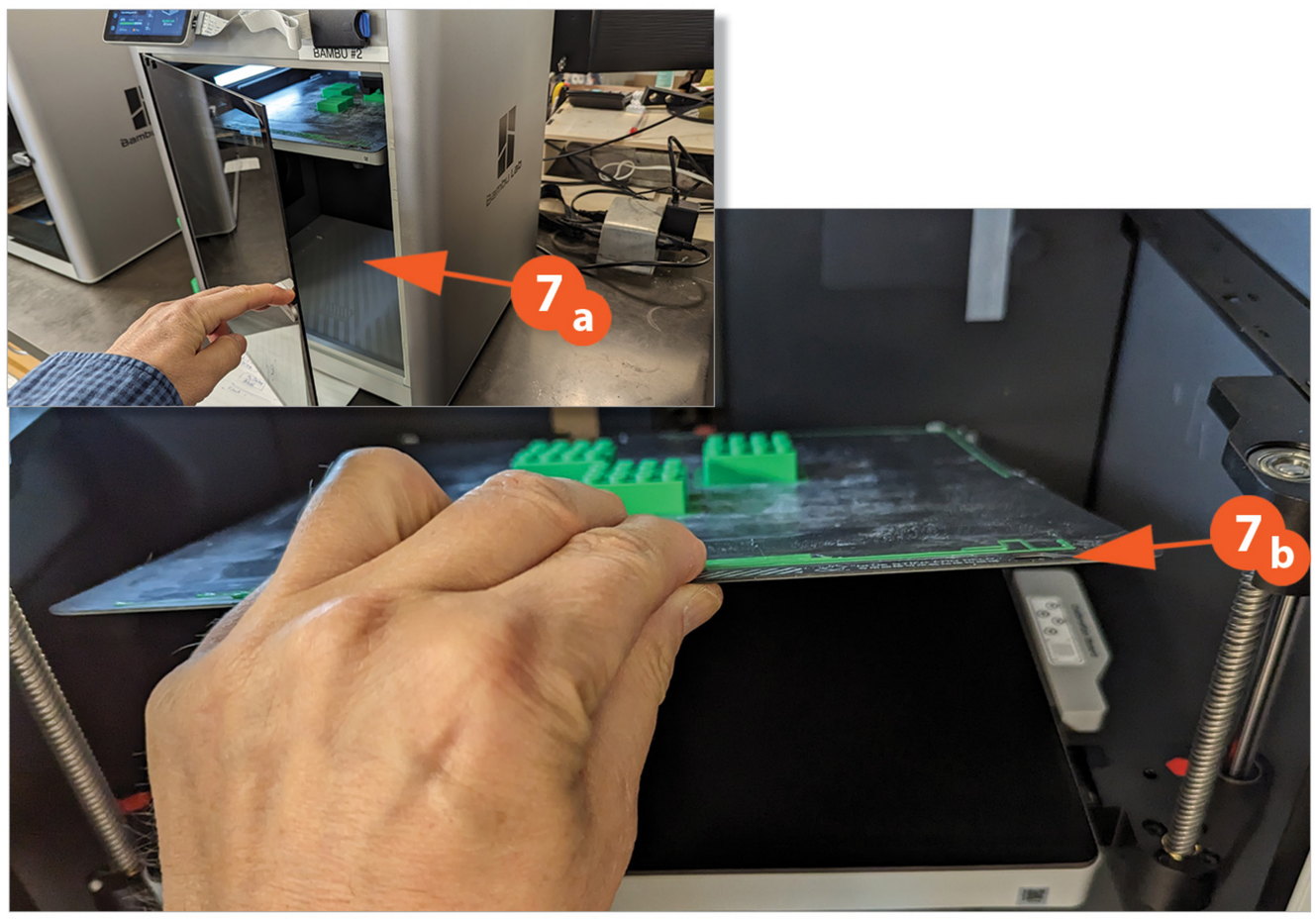
6c - Select the **File icon** to go to your print



6d - Select your print

BAMBU X1 CARBON 3D FILAMENT PRINTER - HOW TO GUIDE

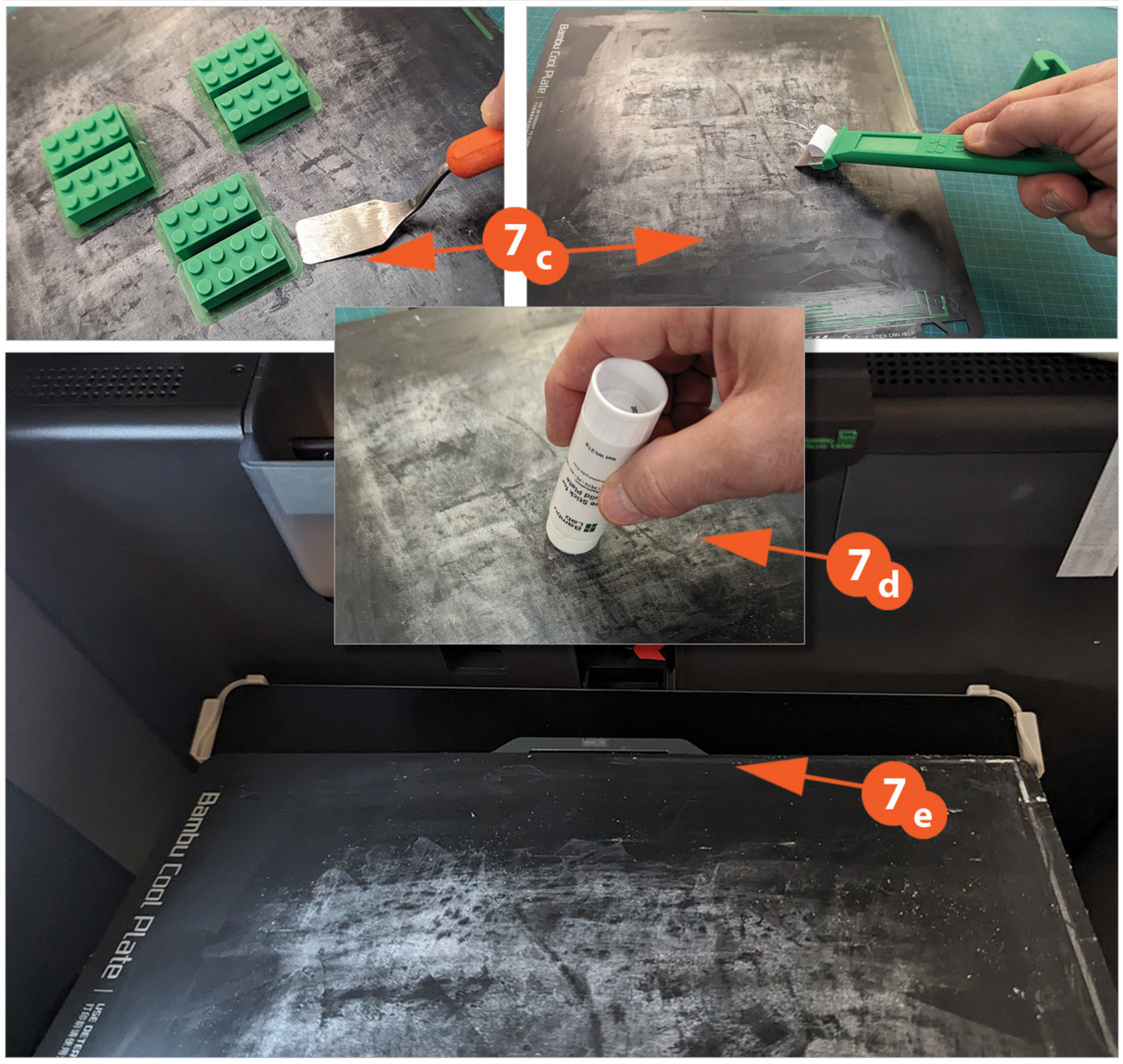
PREPARING THE PRINTER BED



7

7a - Open the door of the Bambu Carbon

7b - Lift up the plate from the front tab and pull it out



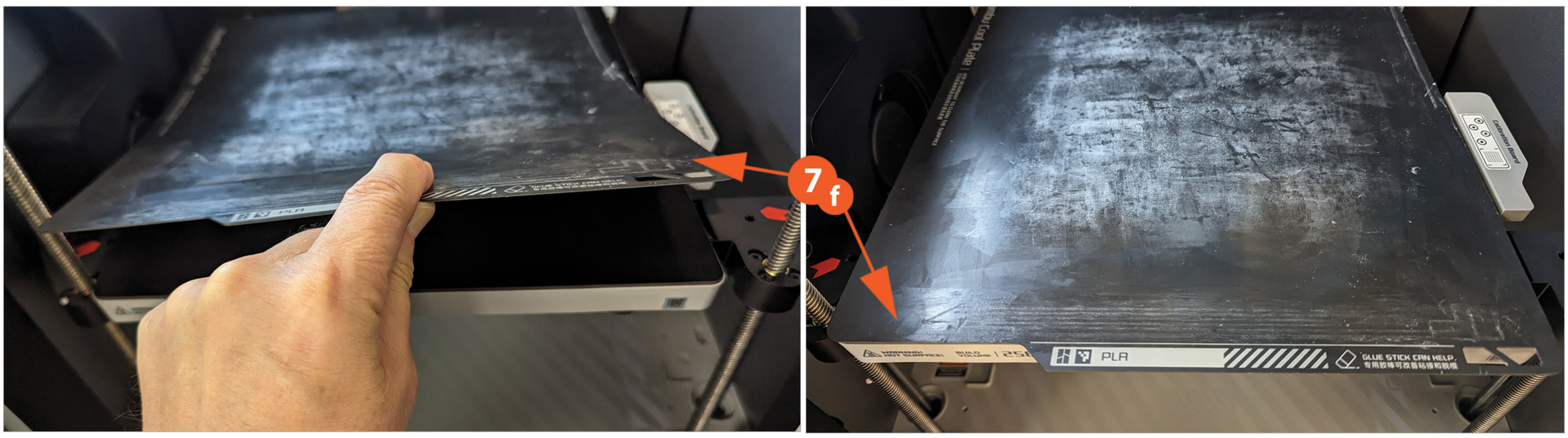
7c - Remove any prints, then scrape off the old glue (white residue)

7d - Apply new glue to most of the plate

7e - Reinstall the magnetic print plate by tipping it down and lining up the two back corners

7f - Then slide it forward and lower the front down until it snaps down. Make sure all the corners are in place

Close the door of the bambu

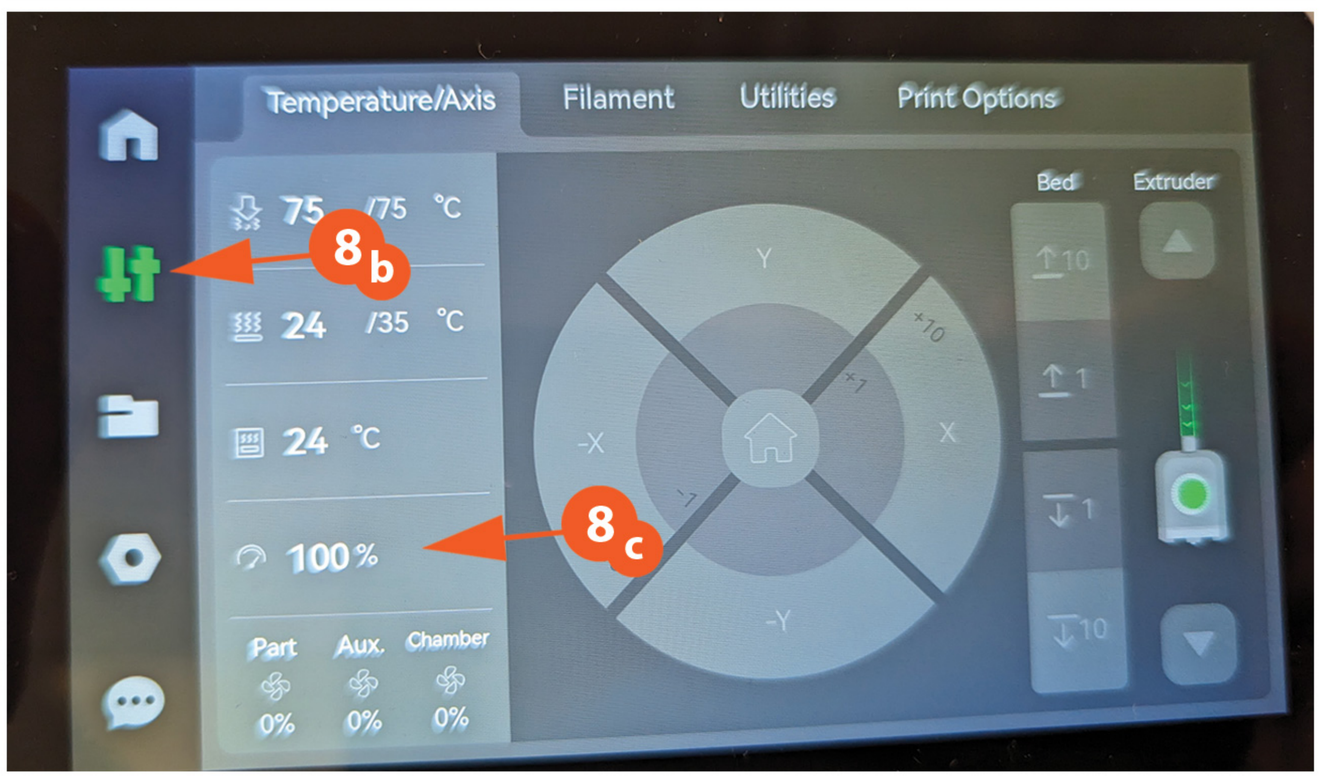


8

8a - Click on the **Print now** to start your print

Your print will now start in the best and most reliable print mode. The resolution is based on what you selected in section 1

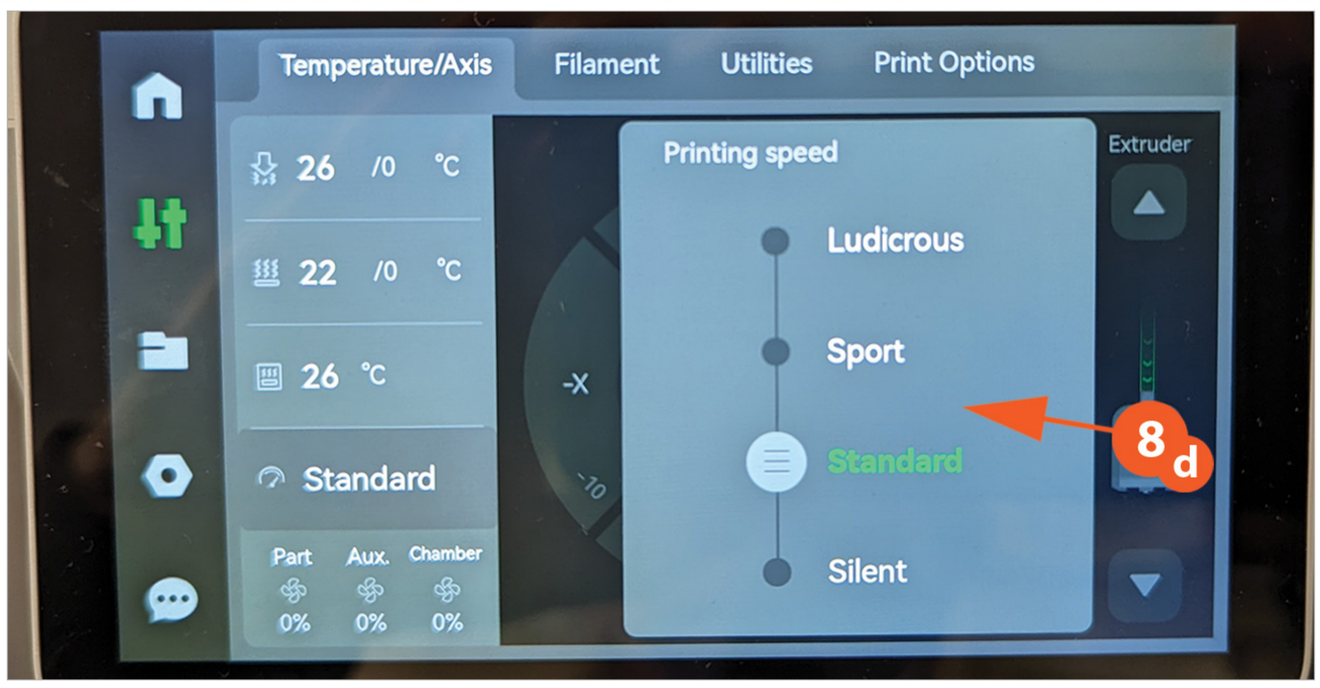
You can print at a faster speed but may loose quality and accuracy. See the next step if you wish to print faster



PRINT SPEED

8b - Click on the **Variations icon**

8c - Click on the Percent icon



8d - There are 3 modes you can run your file at. This is different than the resolution, and is more about speed and accuracy

Printing Speed Modes:
- **Standard** - The most accurate, but slowest
- **Sport** - The second best, medium speed
- **Ludicrous** - Least accurate, fastest speed

If you would like to change your file to a different mode, just click on the mode you want

8e - You can switch to the **Home** view to monitor your print

8f - This shows the print time left

8g - You can **Stop** your print if you need to here

When your print is complete, remove the magnetic print plate, place on a cutting mat and then remove your print with a pry bar tool.