Ryder Makerspace

Ender 3 Pro Operation Guide

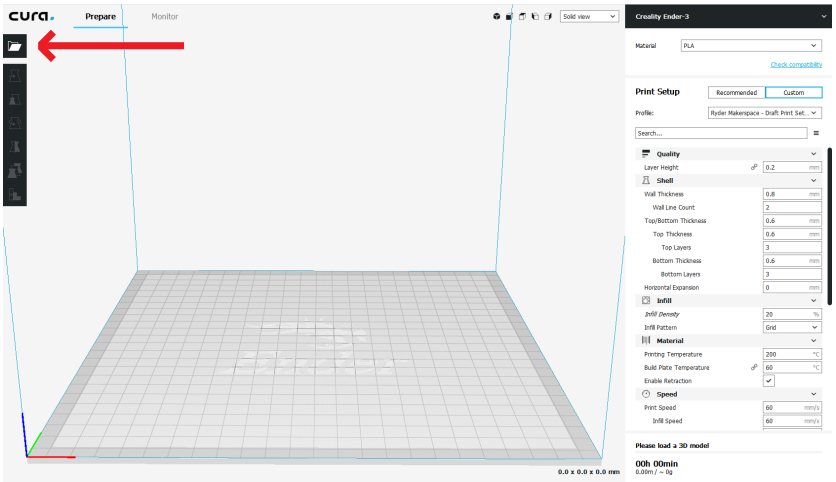
Creality Ender 3 Pro

Before you print...

- Have your .STL file ready and copy it to the desktop on the Makerspace computer

1. OpenUltimaker Cura

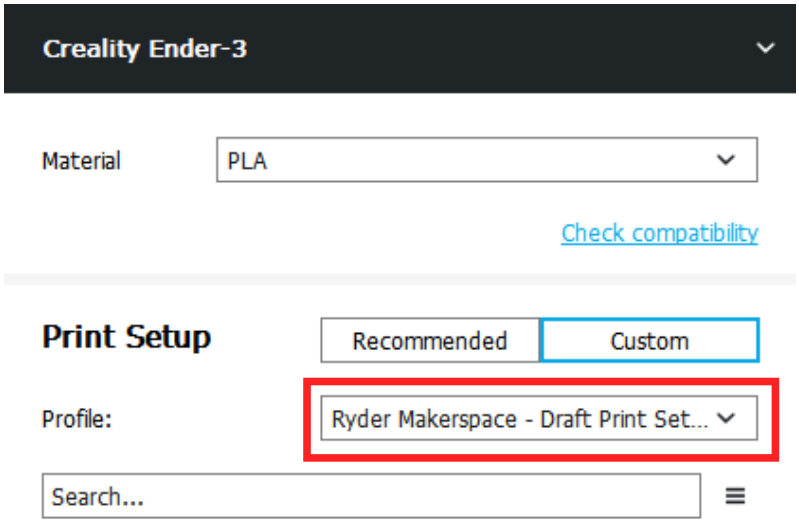
2. Click the folder icon on the top left corner of the screen and select your file.



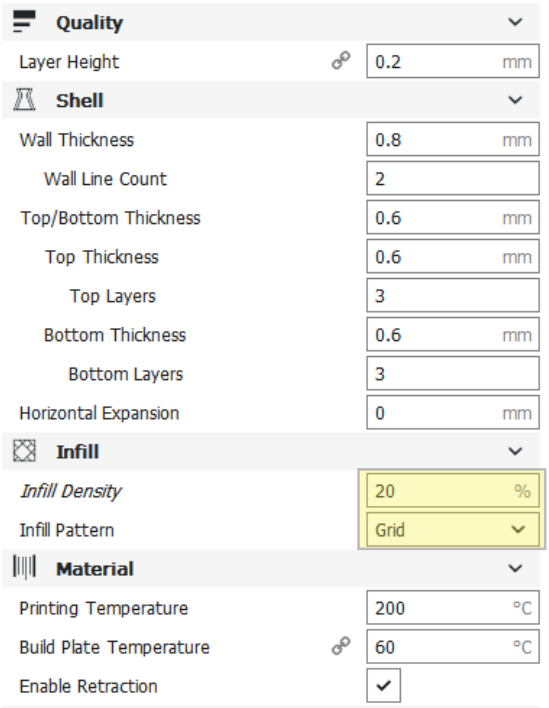
-NOTE-

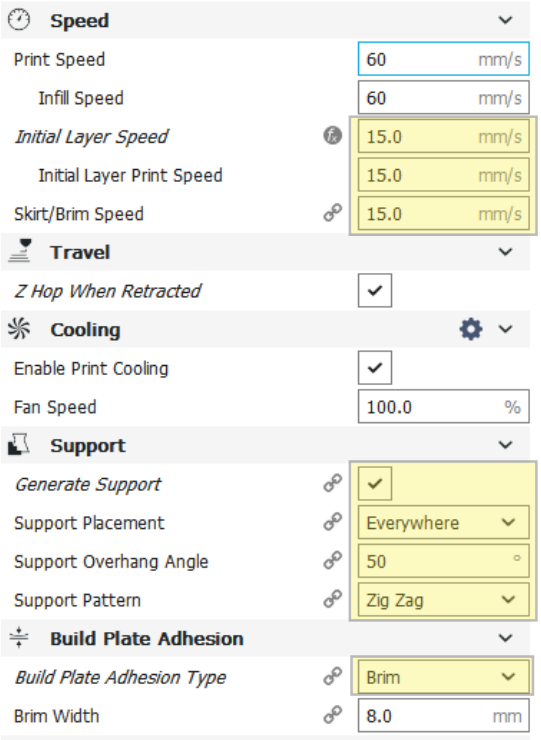
After first .STL file successfully imports, you can import additional.STL files to print on the same bed

3. Ensure that the Ryder Makerspace - Draft Print profile is selected

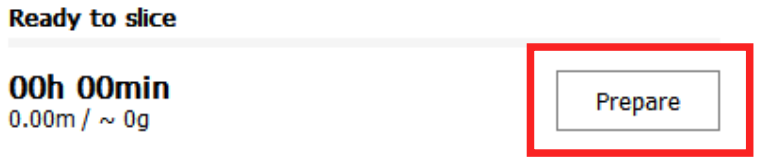


4. The settings below the Print Setup menu should look like this:

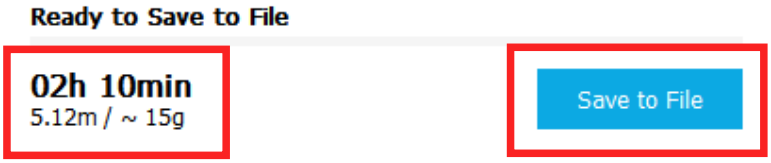




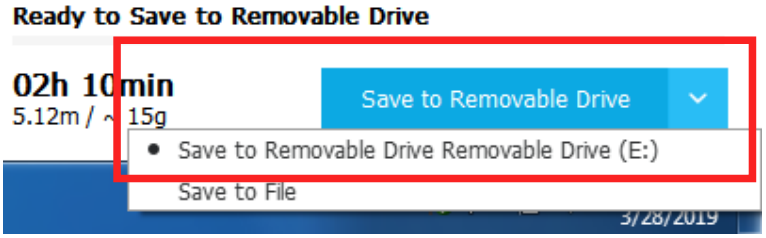
5. In the bottom right corner, select the Prepare button



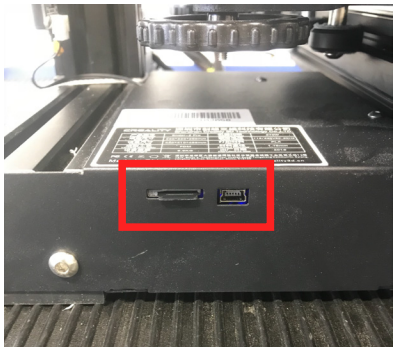
6. This will slice your model. You can confirm that your model has been sliced if you see a time estimate and the button has changed to Save to File



7. Select Save to Removable Drive from the drop down menu and choose the drive that corresponds with your SD card



8. Insert the SD card into the Ender 3. This port can be found on the front-left side of the machine.



9. Turn the dial to select the Print from SD option on the screen. Push the dial in to choose this option

10. Scroll to your file and push the dial in to select it. The extruder and the bed will begin to heat (~3 minutes).

11. Be sure to supervise the first layer of the print (brim) and ensure that it adheres properly. If the print starts curling off the bed or gathering filament into a mess on the print head,
STOP THE PRINT IMMEDIATELY
(Press Dial > Stop Print)

12. If needed, clean off extraneous filament, and clean the exterior of nozzle with pliers. Do not touch nozzle if hot!

Common Problems:	Likely Cause:
Filament stringing; print not sticking to bed	Bed Leveling is too low; Raise Bed Level
No filament is deposited onto the bed	Bed Leveling is too high; Nozzle too close
Print is running, but filament flow stops	Filament has snapped; check extruder
Print lifts/breaks free from print bed	No brim/raft used; model does not have enough surface area against print bed
Overhangs and cantilevers within model are droopy stringy	No support structure; re-slice model with support selected