Raise 3D Instructions Manual
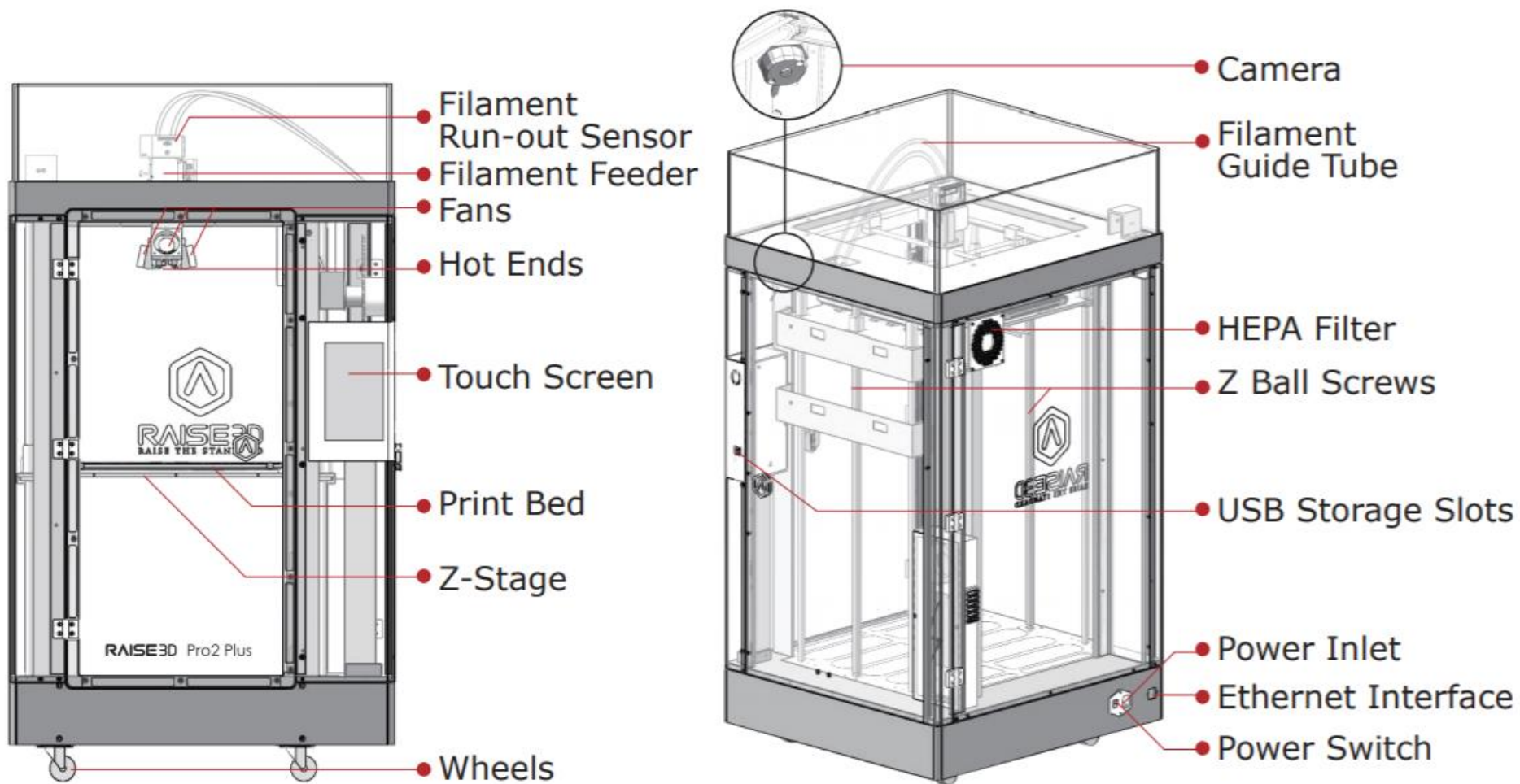
MAKERSPACE - CCNY

Raise 3D Parts

- Filament Run-out Sensor
- Filament Feeder
- Fans
- Hot Ends
- Touch Screen
- Print Bed
- Z-Stage
- Wheels

RAISE3D Pro2 Plus

- Camera
- Filament Guide Tube
- HEPA Filter
- Z Ball Screws
- USB Storage Slots
- Power Inlet
- Ethernet Interface
- Power Switch

Download PreForm

- Download the IdeaMaker software in the following link: https://www.raise3d.com/ideamaker/

ideaMaker 4.0.1 stable versions. Please report to help.raise3d.com if you encounter any problem.

Windows

Version 4.0.1
Nov 23, 2020

Mac

Version 4.0.1
Nov 23, 2020

Linux 32-bit

Version 4.0.1
Nov 23, 2020
.DEB | .AppImage

Linux 64-bit
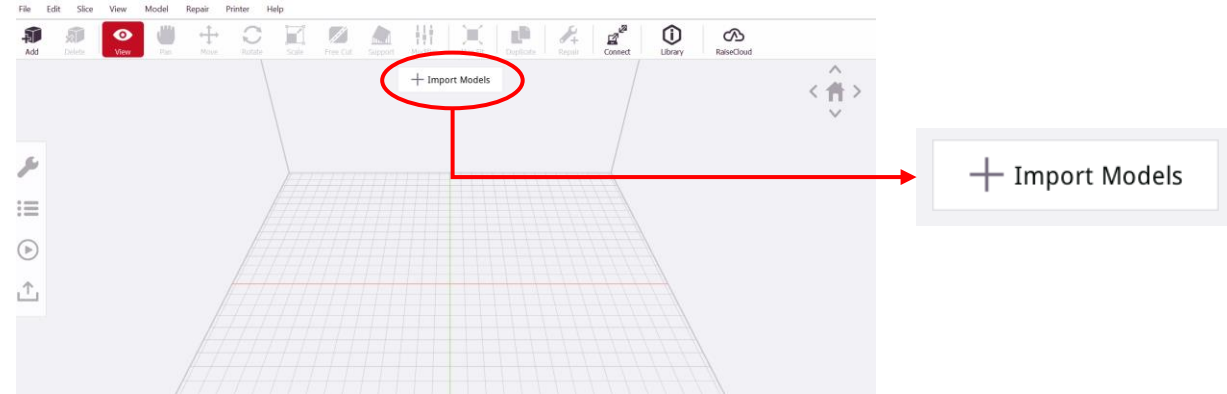
Version 4.0.1
Nov 23, 2020
.DEB | .AppImage

Note: Make sure to download the stable version
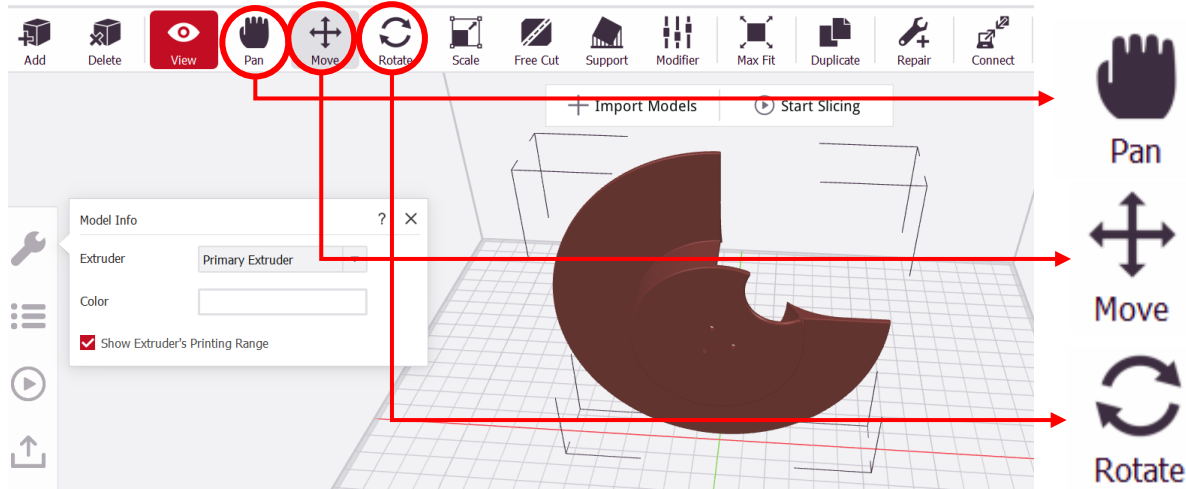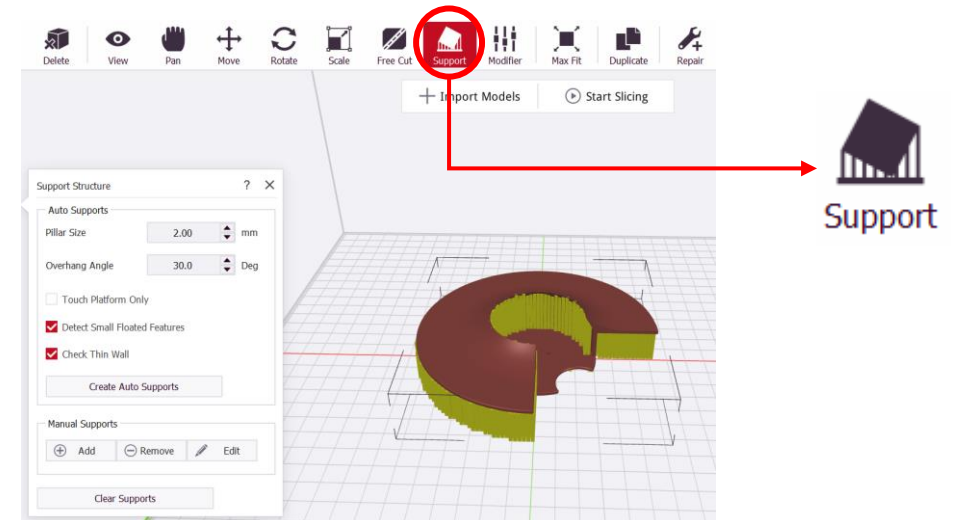
Prepare File for Printing

1. Open IdeaMaker.

2. Click the button "**+**" to import **.STL, .3MF** or **.OBJ** files.
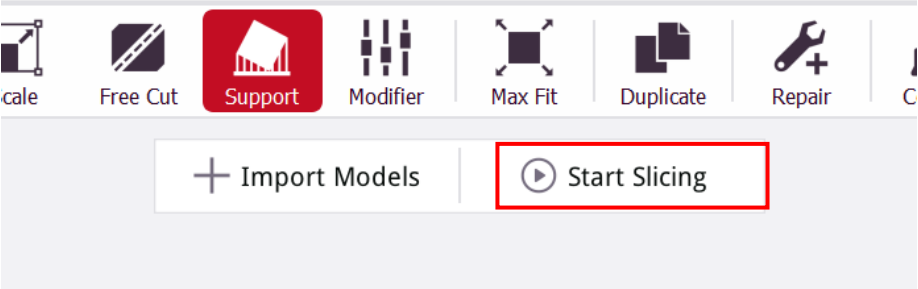

3. Use these tools to arrange the model on the build plate.
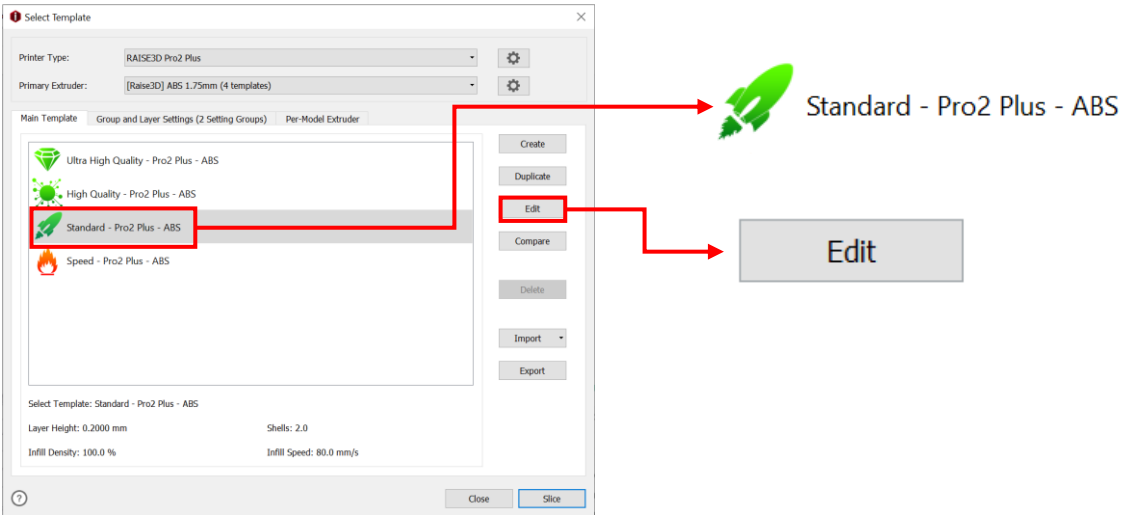

4. Click on the **Support** icon in the tool bar to create supports in the operation property zone.
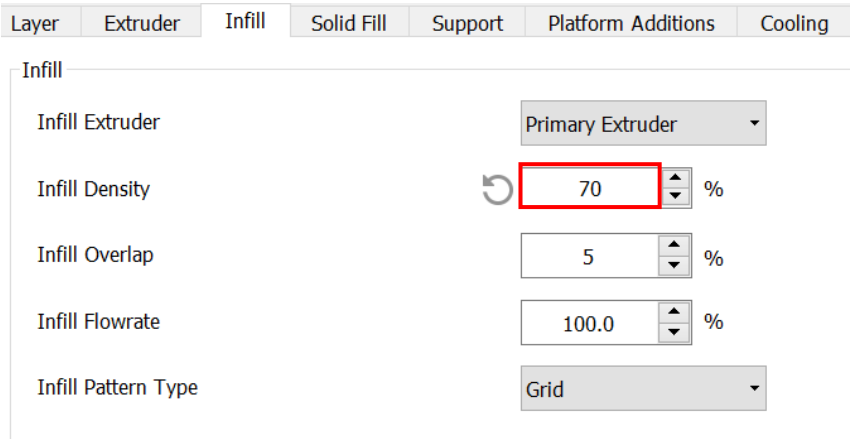
5. Slice the model by clicking **Start Slicing**
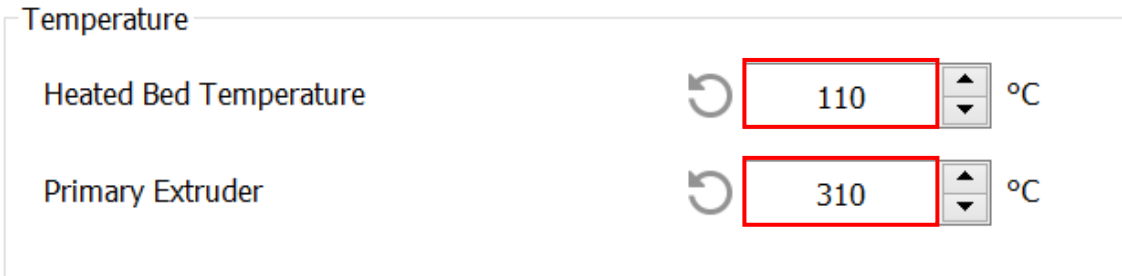

6. Select **Standard Quality** and then, click on **Edit** to change the infill and temperature
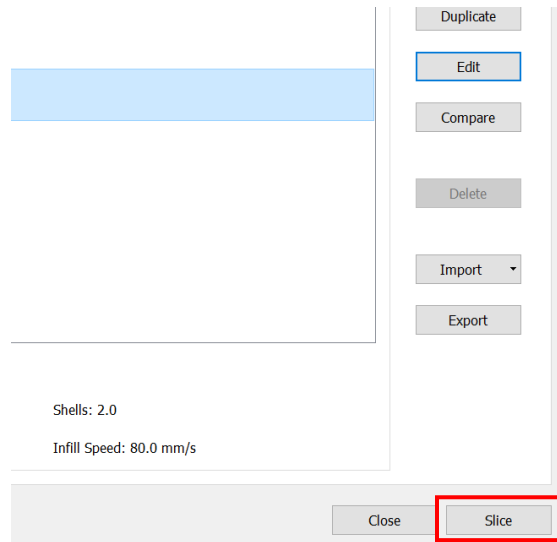

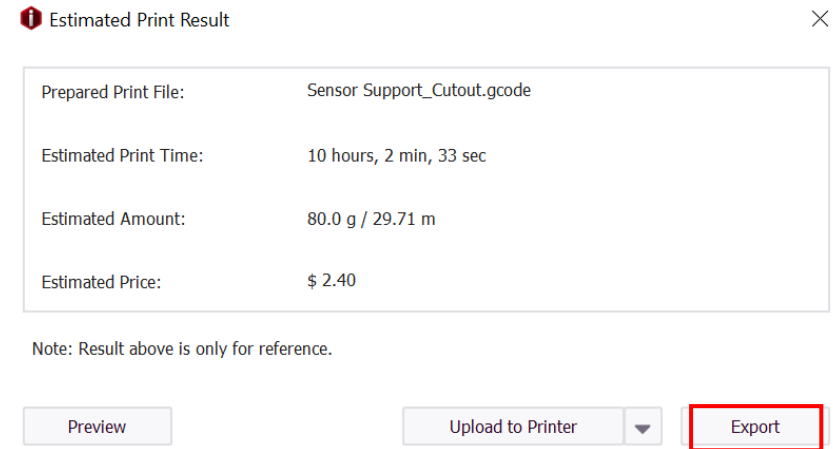**7.** Adjust the **Infill Density** according to your needs.

8. Click on the **Temperature** icon in the tool bar, and change the settings for Heated Bet Temperature and Primary Extruder to the following:

9. Click **Save** and then, **Slice**.

Duplicate	
Edit	
Compare	
Delete	
Import ▾	
Export	

Shells: 2.0

Infill Speed: 80.0 mm/s

Close | **Slice**

10. Next, **Export** the model and save it as a .gcode

ⓘ Estimated Print Result   ✕

Prepared Print File:	Sensor Support_Cutout.gcode
Estimated Print Time:	10 hours, 2 min, 33 sec
Estimated Amount:	80.0 g / 29.71 m
Estimated Price:	$ 2.40

Note: Result above is only for reference.

Preview   Upload to Printer ▾   **Export**

11. Save the model onto a USB drive

Note: Save the model as .idea in case you need to edit it.

File name: Model

Save as type: Project File (*.idea)

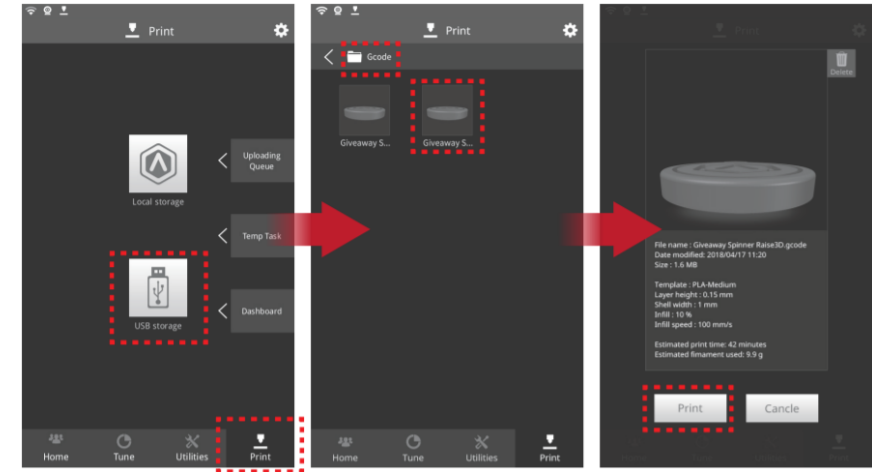⌃ Hide Folders   Save   Cancel

Confirm Print on Printer

1. Insert the USB storage that contains your sliced model (.gcode files) into the USB slot on the side of touchscreen.

USB Storage

2. Select the "Print" tab, and choose "USB Storage". Select the file and press "Print" to start printing.

3. During printing, you can check the status of your print including printing time remaining and other parameters from the touchscreen in the "Home" interface.