

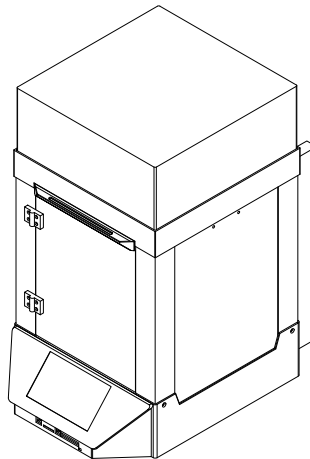
***N-Series* 3D Printer**

Quick Start Guide

* Please review this entire guide before operating the printer.

WARNING

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



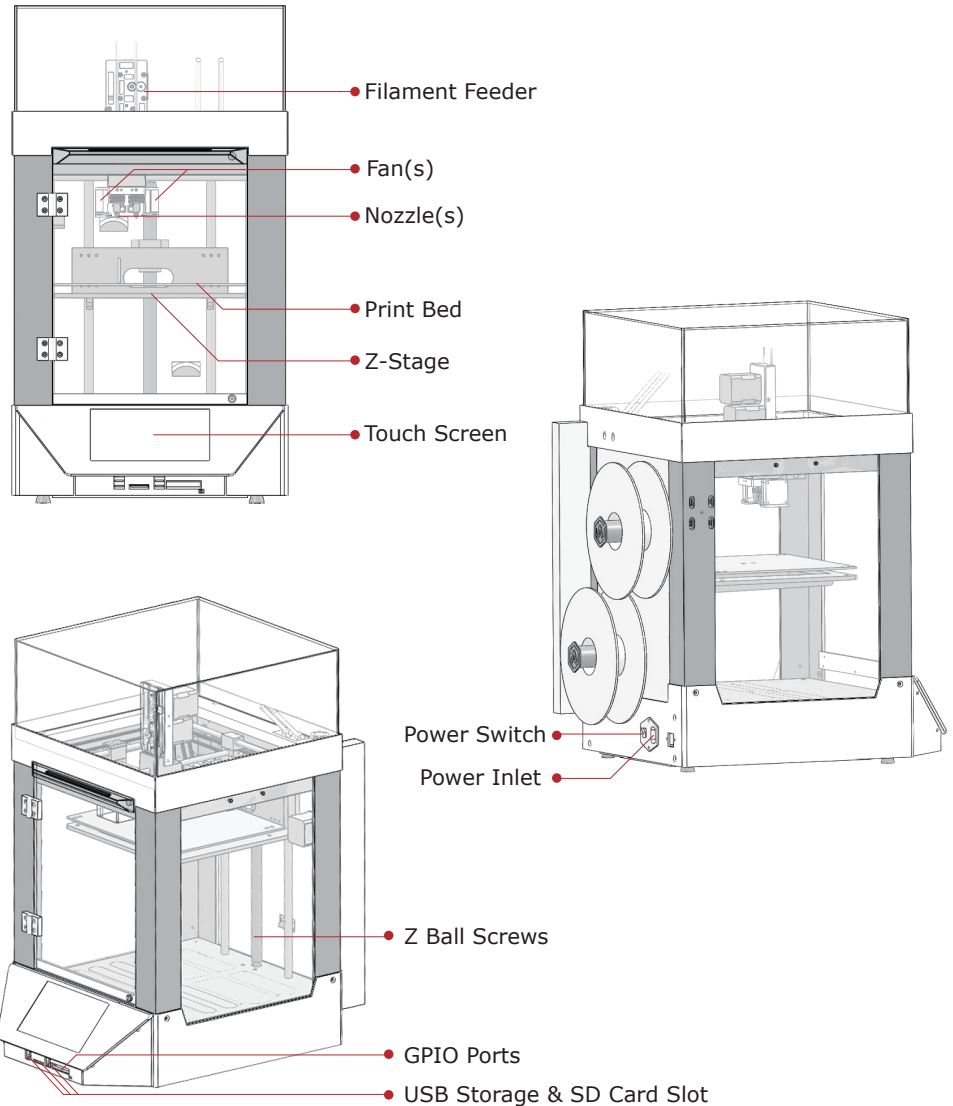
N1



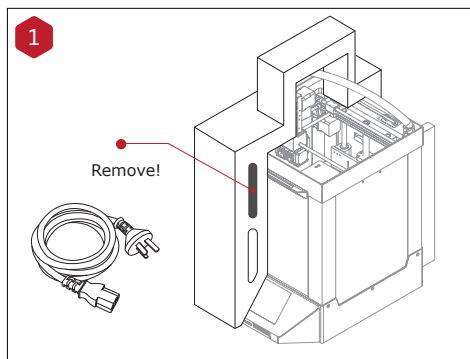
www.raise3d.com

A List of Parts

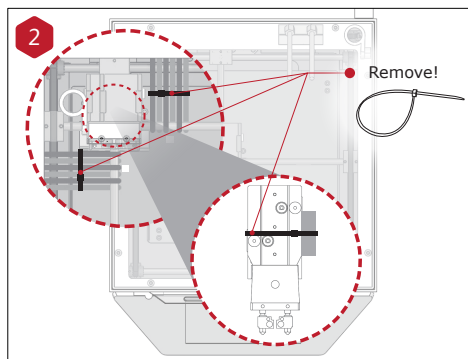
N1



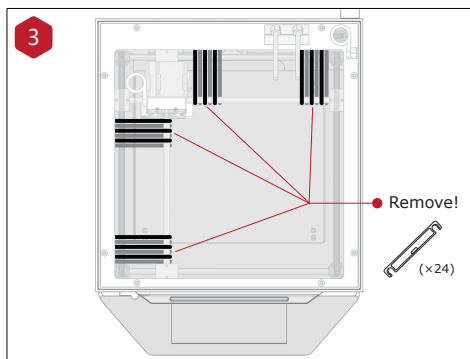
B Hardware Installation



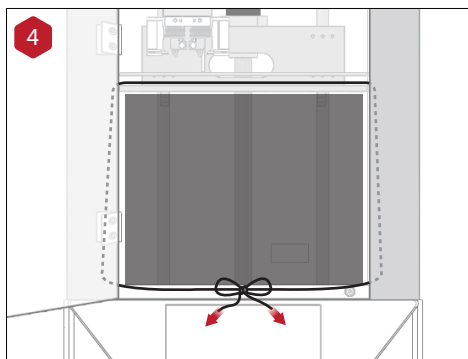
Take the power cable out from the left foam box for later using.



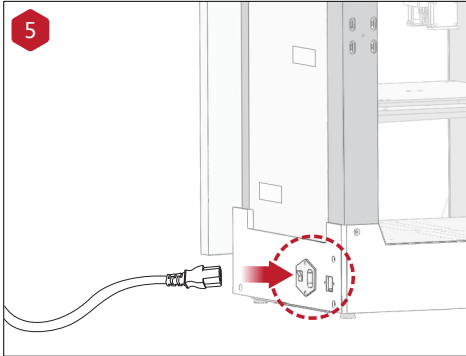
Recommend to unclip the Zipties as you are able to reuse the ties later.



Please remove the 24 clips holding the extruder assembly in place before powering on your printer. If you fail to remove these clips your printer will be damaged. Please save these clips and re-install them if you transport your printer.



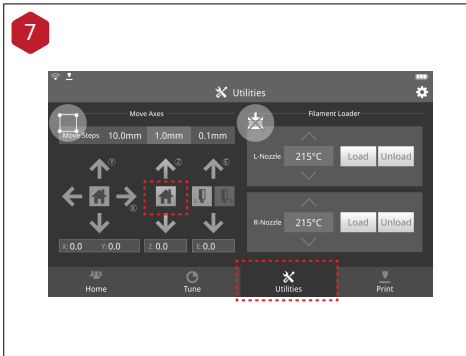
B Hardware Installation (continued)



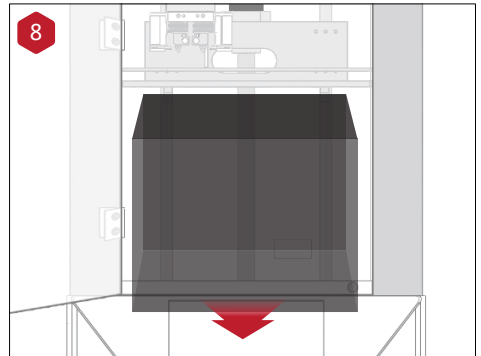
Plug in the power plug and turn the switch on.



The printer will go through a start-up sequence. When the touch screen displays "Home", the printer is ready.



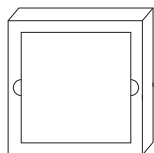
Select the "Utilities" menu on the screen. Press Z "Home" button to raise the Z ball screws to the highest point.



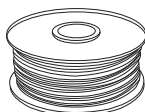
When the Z axis return to original position, gently lift the build plate gently with your hands and remove the accessory bag under the build plate and open it for standby.

B Hardware Installation (continued)

List of Contents



Glass with
Protective Foam



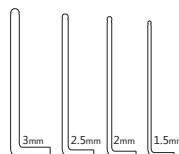
Filament
($\times 1/\times 2$)*



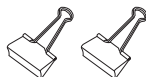
Nozzle
Cleaning Kit



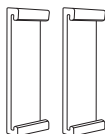
Tweezers



Hex Wrenches



Build Plate Clips



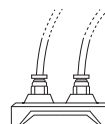
Fan Cover
($\times 0/\times 2$)*



Feeler Gage



Filament Holder
($\times 1/\times 2$)*



Filament Guide
Tube Holder



Spatula



Filament Guide
Tube ($\times 2/\times 4$)*



Fuse



USB Storage



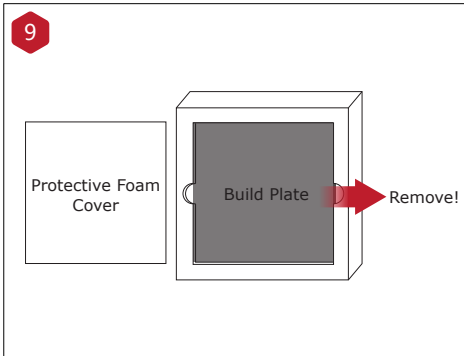
Other Accessories
(Spare)

* Due to the difference between single and dual extrusion machines, the quantity of some of the products received will be different.

Besides, there is only one fan cover in the printer with single extruder and it has already been equipped to the printer.

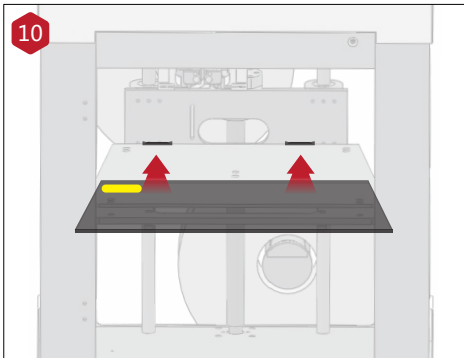
B Hardware Installation (continued)

9



Remove the glass build plate from the protective foam.

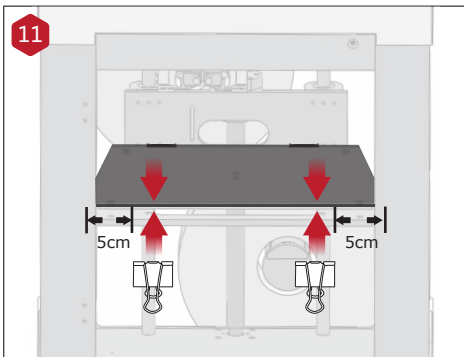
10



Gently slide the glass plate. Make sure it snaps into the build plate clamps at the back.

NOTE: Place the surface which posted with BuildTak upwards, while the yellow label is at the back left corner. Make sure it snaps into the build plate clamps in this way.

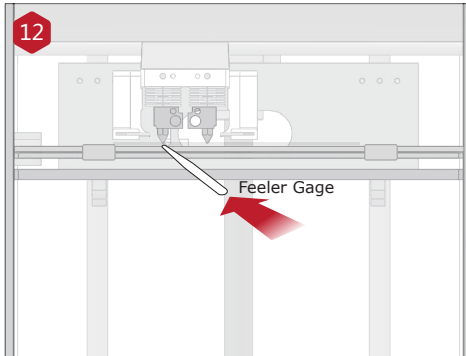
11



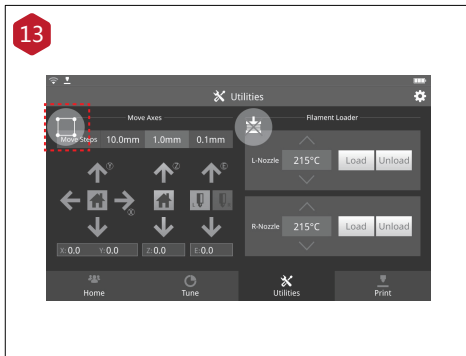
Remove the remaining build plate clips from the accessory box and secure them to the glass and heated bed plate.

NOTE: The best distance between the glass clip and the edge of print platform is 5cm.

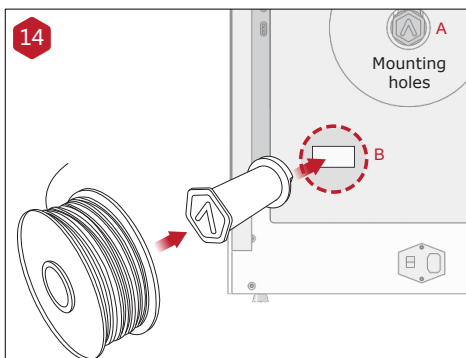
B Hardware Installation (continued)



Please follow the instructions of "Bed Leveling Steps" on the screen and use the feeler to adjust the build plate. Make sure the distance between the nozzle and the plate are all even at four corners. The best condition is that you can feel a little friction when you slide the feeler into the gap.



"Bed Leveling Steps" could be viewed by clicking the "Leveling" button on the "Utilities" interface. Follow the instruction on the screen and operate step by step until the end.



Install the filament holder in the mounting hole on the side of the printer and place a spool of filament on the holder.

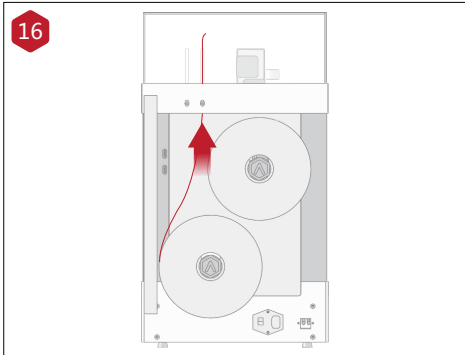
NOTE: The filament should load clockwise.

B Hardware Installation (continued)

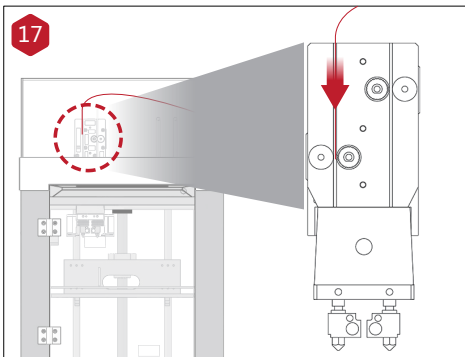


Press the "Utilities" menu on the screen and set the temperature of the left nozzle for the filament, then press the "Load" button. Finish the feeding operation step by step according to the instructions on the screen.

NOTE: This document is set based on the Raise3D PLA filament, which is delivered together with the printer. Therefore we advise that you use this PLA for testing.



Feed the filament through the guide tube.



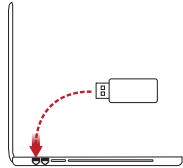
Push the filament down to the feed gear until the gear grips the filament.

NOTE: For your first set of prints please use the left nozzle only. The printer has been pre-calibrated based on printing with the left nozzle in the factory. If you want to print with the right nozzle or dual extruders, please follow the instructions on aligning both extruders found here: <https://www.raise3d.com/pages/faq>.

C ideaMaker Installation

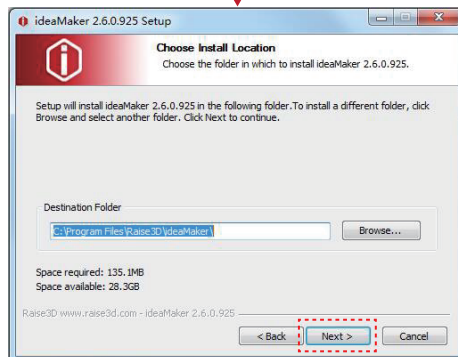
The ideaMaker software is available on the USB storage included with your printer.

Or go to www.raise3d.com and download the ideaMaker software.



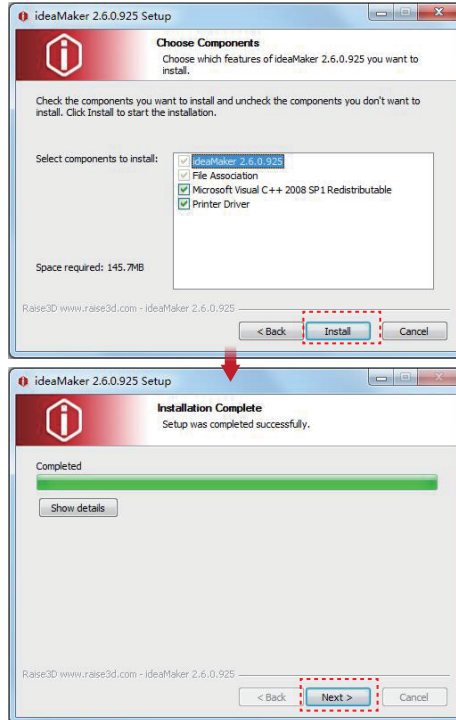
WINDOWS

- 1 Open the installer and choose the language. Set a path for installing ideaMaker then click "Next".



C ideaMaker Installation (continued)

- 2 Follow the instructions and click "Install". After the installation is finished, click "Next" to go to the next step.



- 3 Click "Finish" and ideaMaker is installed.



C ideaMaker Installation (continued)



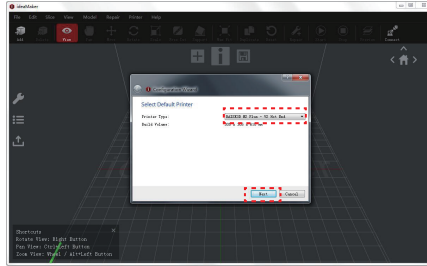
MAC OS X

Open the Disk Image for the ideaMaker installed on the USB storage included with your printer or that you downloaded from www.raise3d.com.

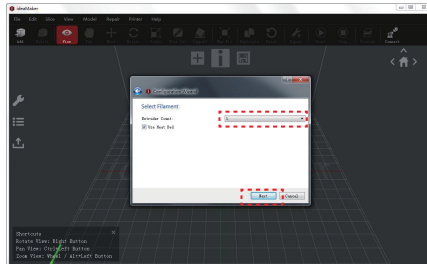


D ideaMaker Initial Settings

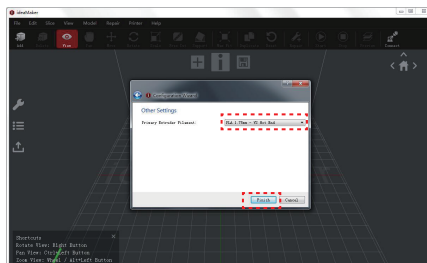
- 1 The first time you open ideaMaker you will need to select your printer model from the drop-down list.



- 2 Select the number of nozzles. Press "Next" to move on to the next step.

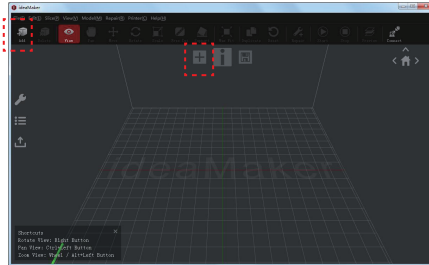


- 3 Select the diameter of the filament. Press "Finish" to finish the initial settings.
NOTE: ALL N-Series printers use 1.75mm filaments.

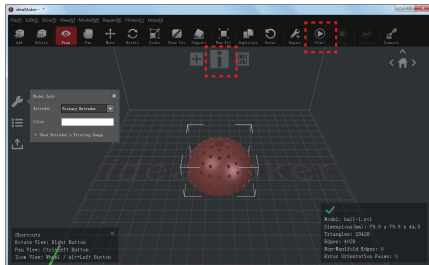


E Using ideaMaker

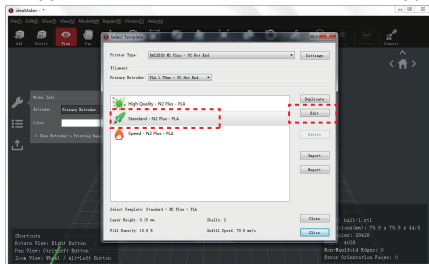
- 1 Click the "+" button to import an .stl file or .obj file. You can download a file or use the test model included in the USB storage.



- 2 Click the "Start" or "i" button to begin the slicing of the model.

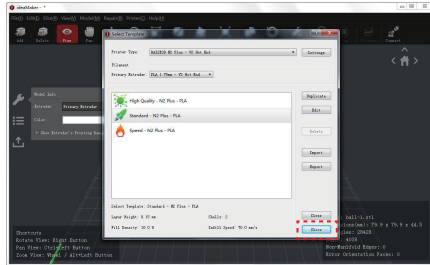
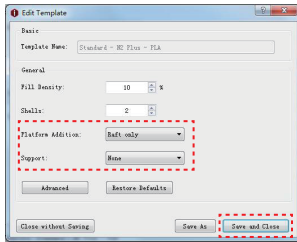


- 3 Confirm your printer model and material, then select the proper slicing template. Click "Edit" to select the type of Platform Addition and the type of Support.

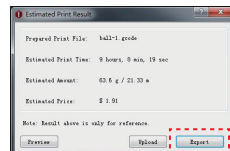
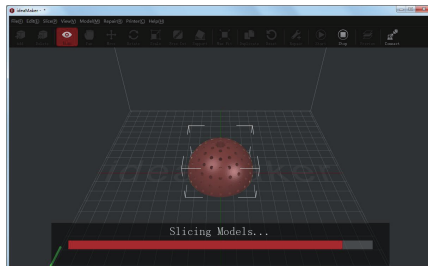


E Using ideaMaker (continued)

- Click the "Save and Close" after selecting the type of Platform and the type of Support to return to the last menu. Click the "Slice" to start slicing.



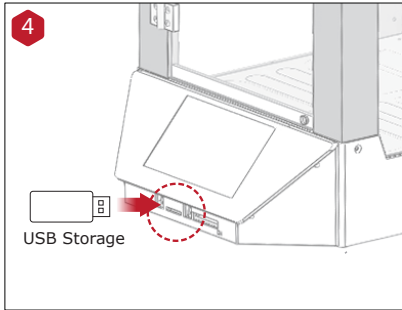
- Save the sliced files (.gcode and .data) to your USB storage.
NOTE: File names that do not conform to the Western Latin character set may not display properly.



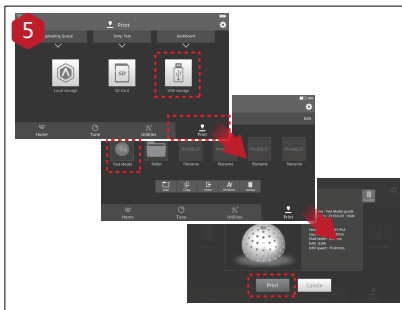
- Confirm that the files are saved and eject the USB storage.



F Start First Print



The USB storage included with the printer comes loaded with already sliced models. They are a good place to start for your first print. Insert the USB storage into the USB slot on the side of touchscreen.



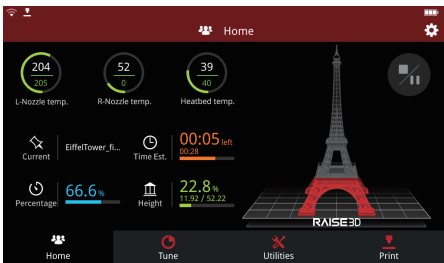
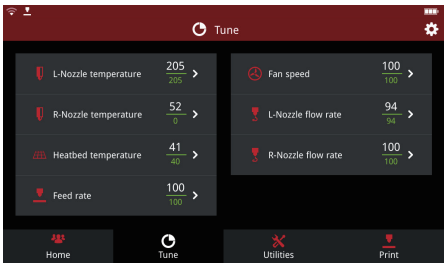
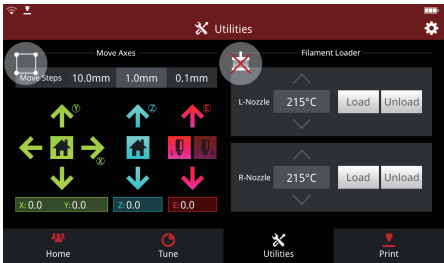
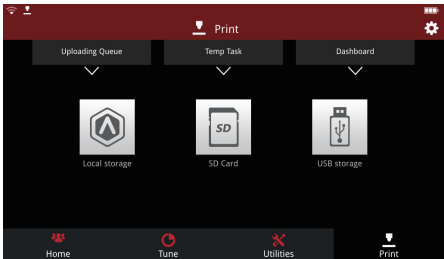
Select "Print" menu, choose "USB Storage" in the file storage path. Select the file to check the printing parameters and settings, then press "Print" to start printing test file.



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



NOTE: The image on the touch screen is only showing when the file is sliced by ideaMaker and the .data file is loaded.

G User Interface

- Extruder and Heat Bed temperature
 - Current model name, total print time, current printing status and height
 - Status bar*
 - Menu title, Settings Button
 - Visual display of current model
 - Pause/Resume button
 - Stop button
 - Taskbar
- 
- Printing parameters and adjustment
- 
- Moving step distance setting
 - X/Y/Z axes move/return to original position
 - Disable motor button
 - Load and Unload function for the L&R extruders.
- 
- Check uploading list, recovery task list, printing statistics
 - Choose where to load the print job from
- 

* Please make sure the battery icon on the status bar is fully charged (or the battery level is more than 95%). Only in this condition can you turn off the power switch.



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