


Ender-3 E 3D Printer User Manual

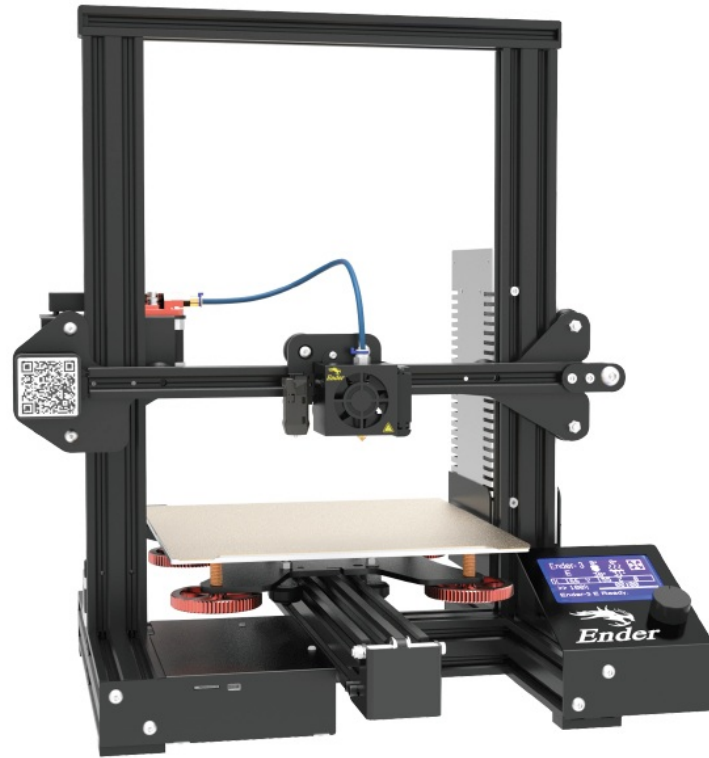
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Ender-3 E 3D Printer

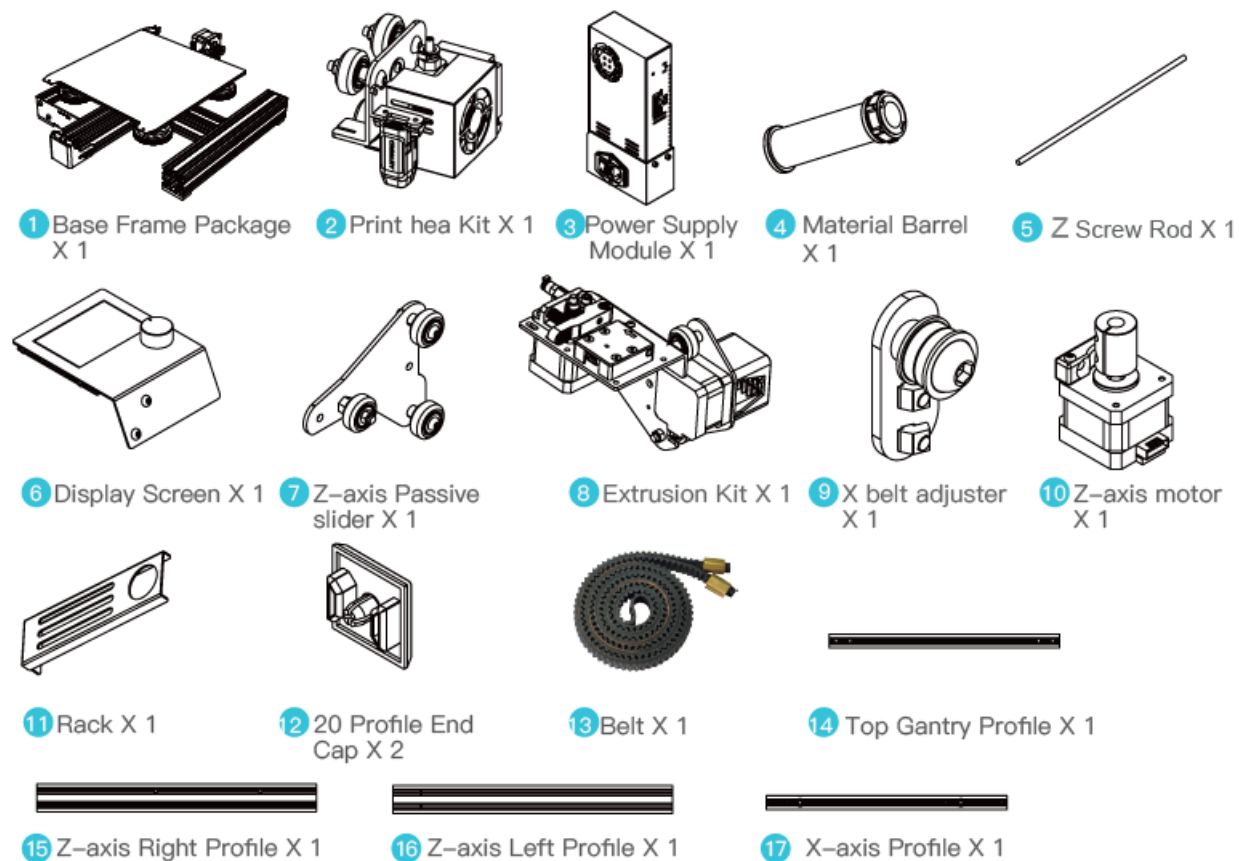


To further improve your user experience, Please watch the Assembe & Tutorial Video in the TF card provided with the printer.

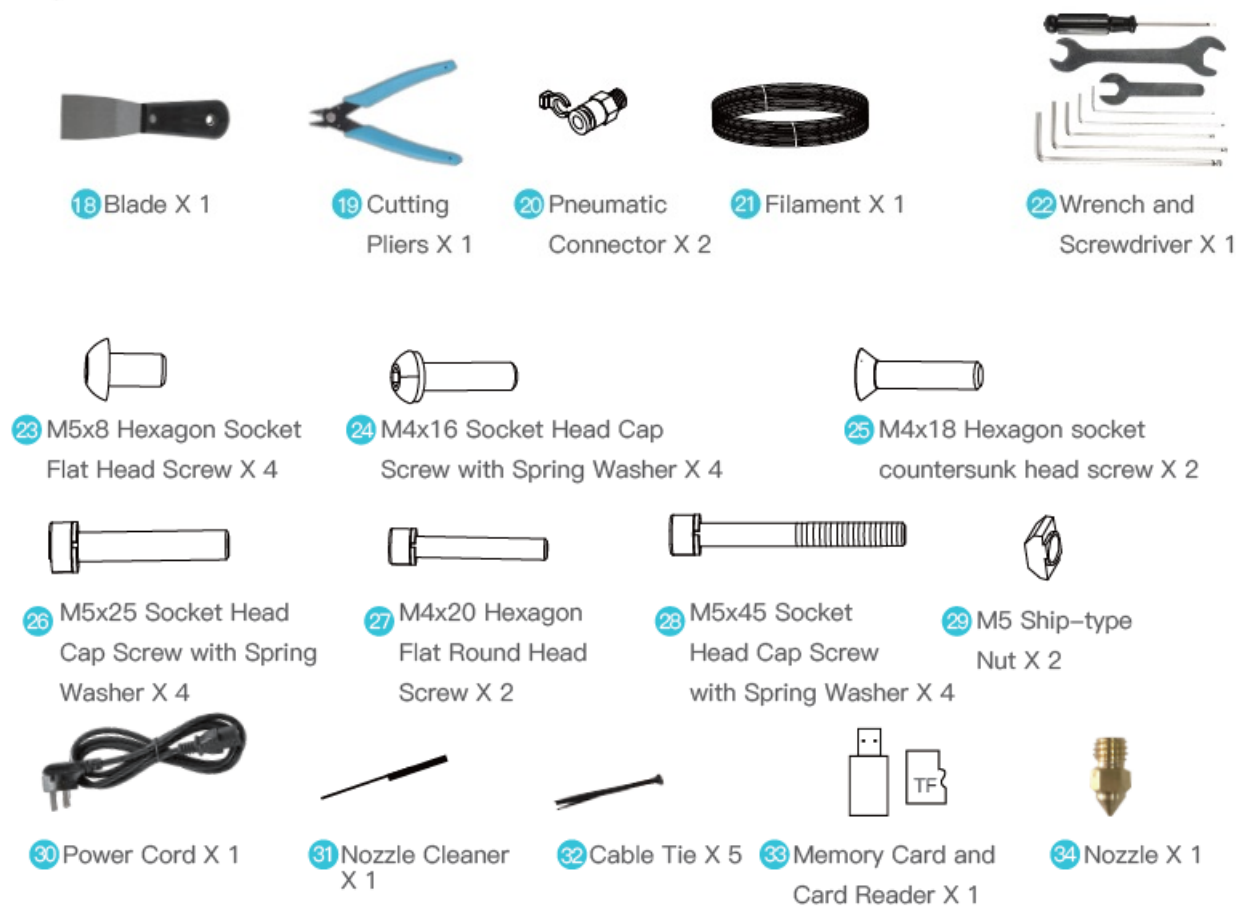
Instructions for Use

CREALITY Ender 3 E 3D Printer comes with 1-year warranty of accessories repair and accessories replacement. All customers' questions or problems with the machine come first. Any question or problem, be free to contact our store seller directly. Thank you. We do not recommend you to contact the official website, Usually, they only respond to general product inquiries.

List of Main Parts:

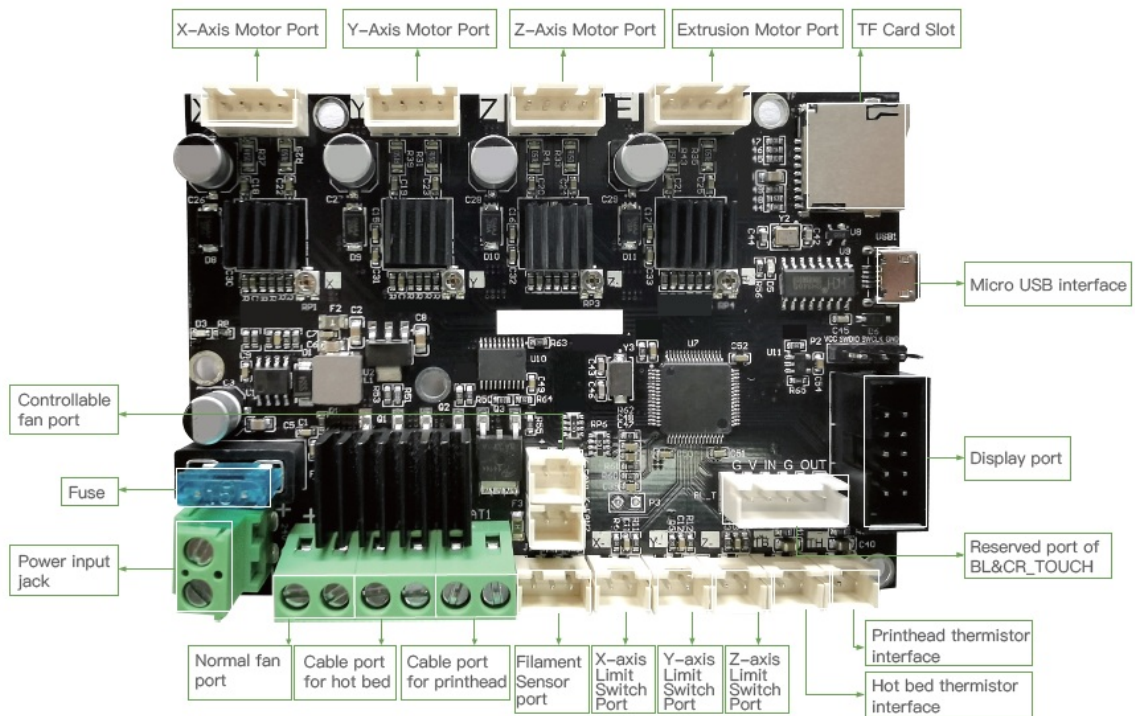


List of Accessory Kit Items:



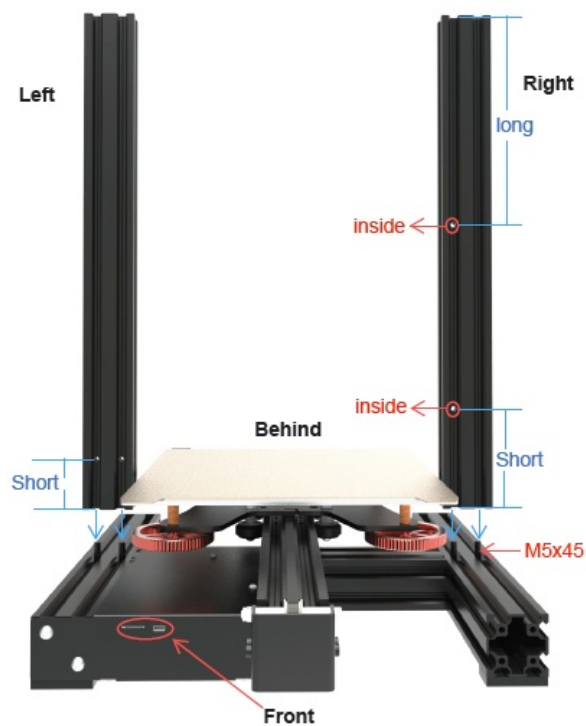
Printer Port Instructions

Mainboard Port Instructions

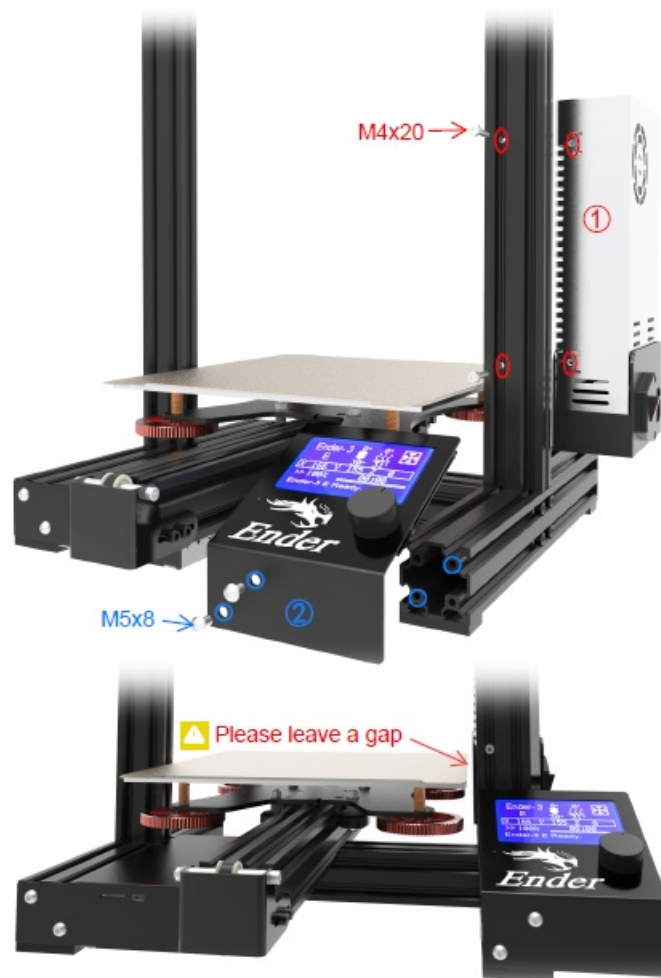


Assemble the printer

1. Install Z-axis profiles left and right



2. Install the display screen and power supply

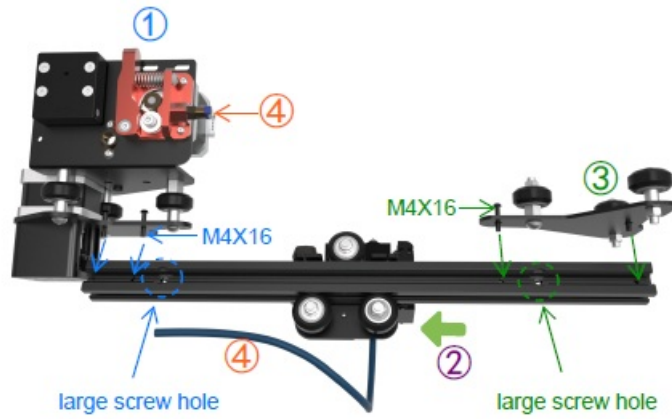
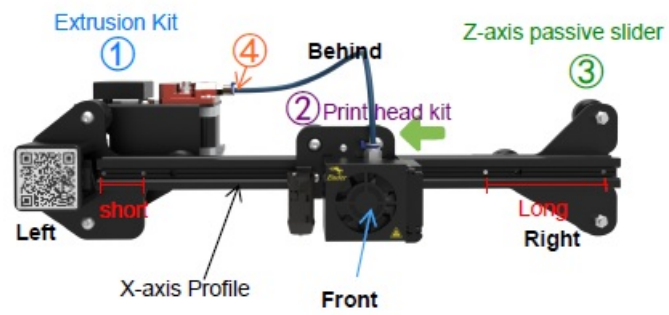


3. Install the Z-axis motor and Z Screw rod

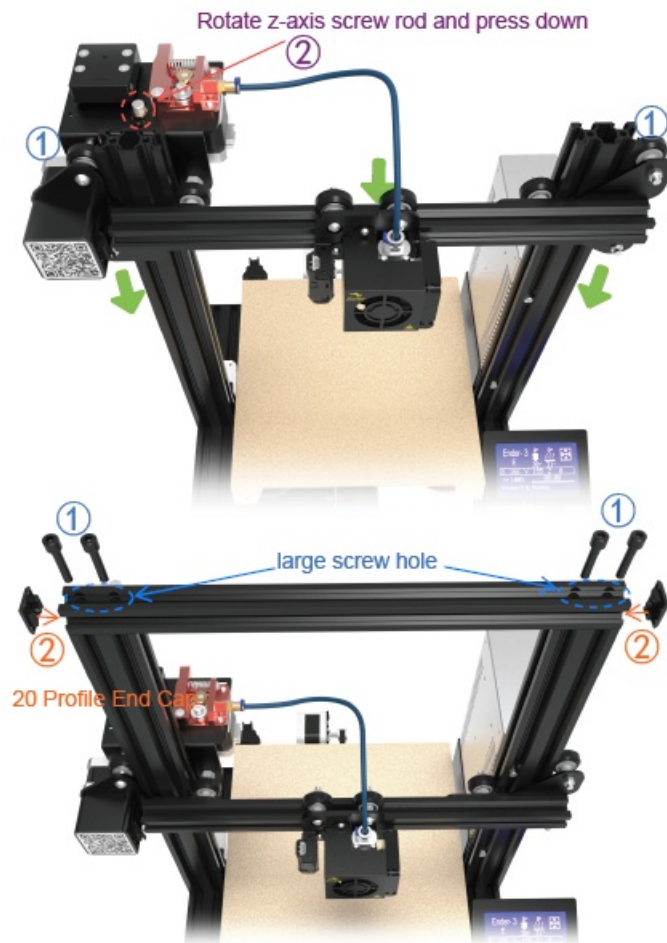


Note: When installing the Screw Rod, keep it vertical

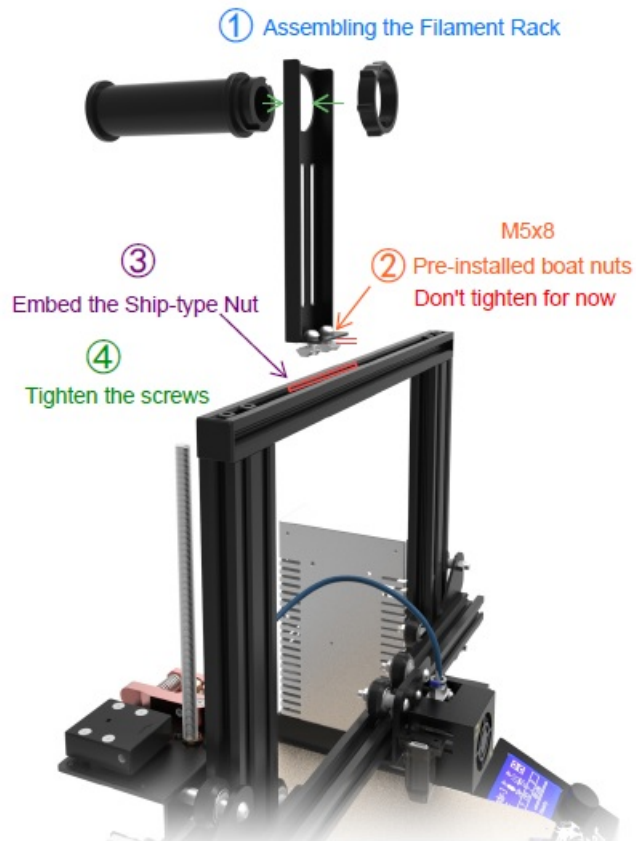
4. Assemble the X-axis kit



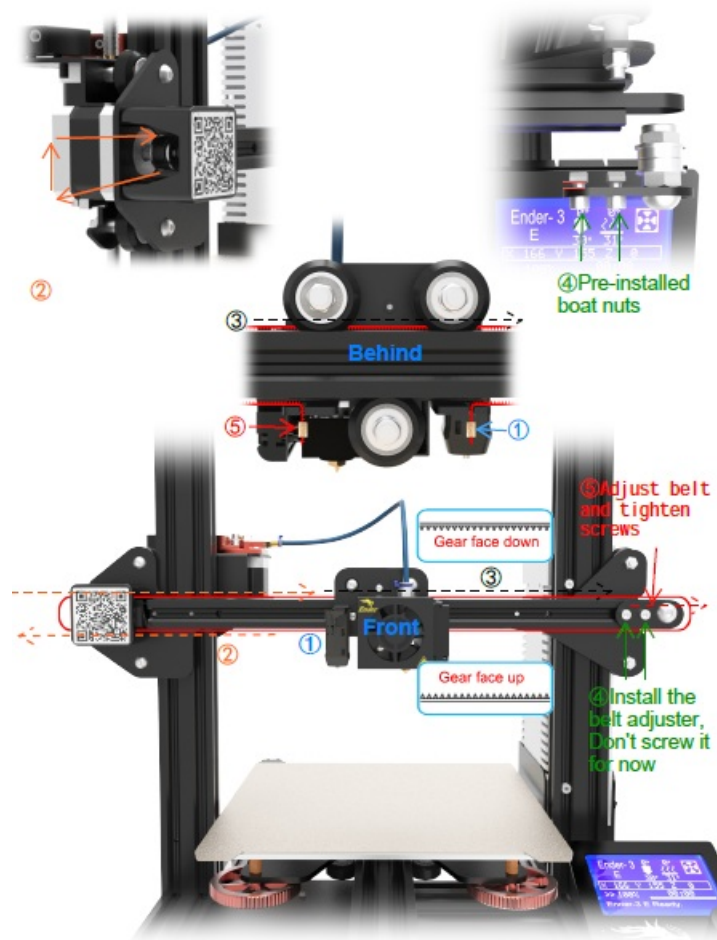
5. Install the X-axis kit and top gantry profile



6. Install the filament rack

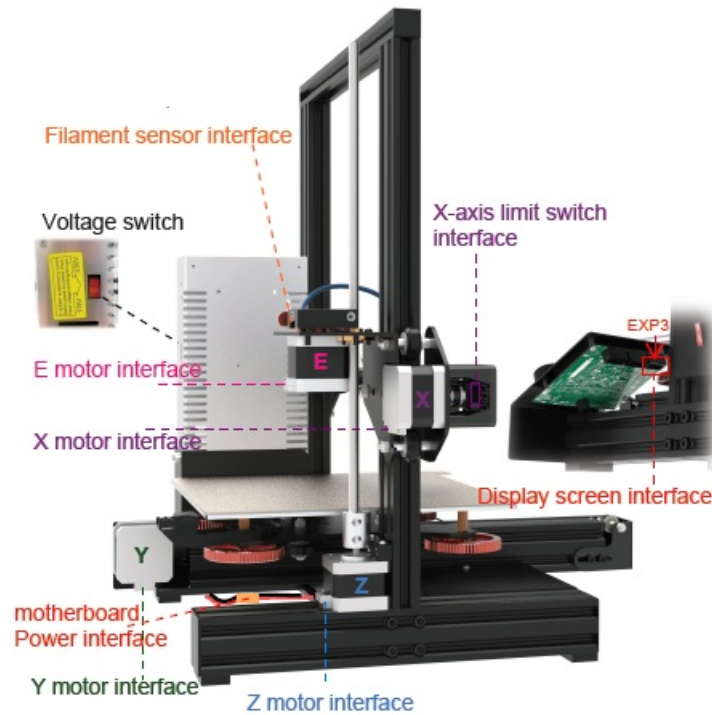


7. Install the X-axis belt and belt adjuster



8. Install X, Z, E Motor Cables and Limit Switch Cables

Usually the Y motor and Y-axis limit switch cables are already installed, Please check to confirm.

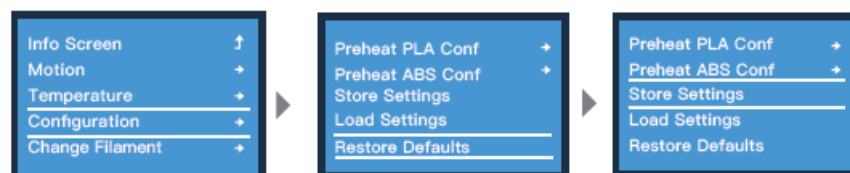


Note: Adjust the voltage properly according to your region before plugging in the power cord, and turn on the machine only after the voltage is correct.

Leveling Bed

Make sure there is no residual filament on the nozzle (Avoid affecting the leveling accuracy).

Because the maximum offset value of CR Touch ≤ 5 mm, Before auto leveling, please ensure that the height error of the four corners of the print platform ≤ 5 mm.

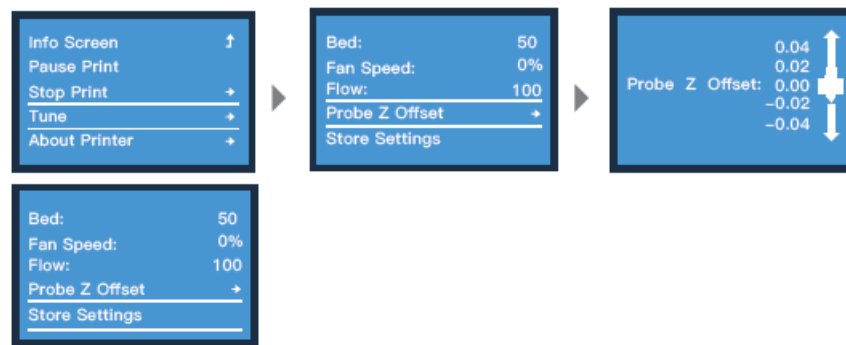


1. Before leveling the bed, Please select Restore Default settings and select Store Settings.(Save Settings)












2. Select Level Bed and select Proble Z Offset to adjust the first layer print height.

make sure the distance between nozzle and platform is about the thickness of an A4 sheet of paper, Then click Store settings.



3. When printing, you can still select Probe Z Offset to adjust the height of the nozzle. for the best printing effect.

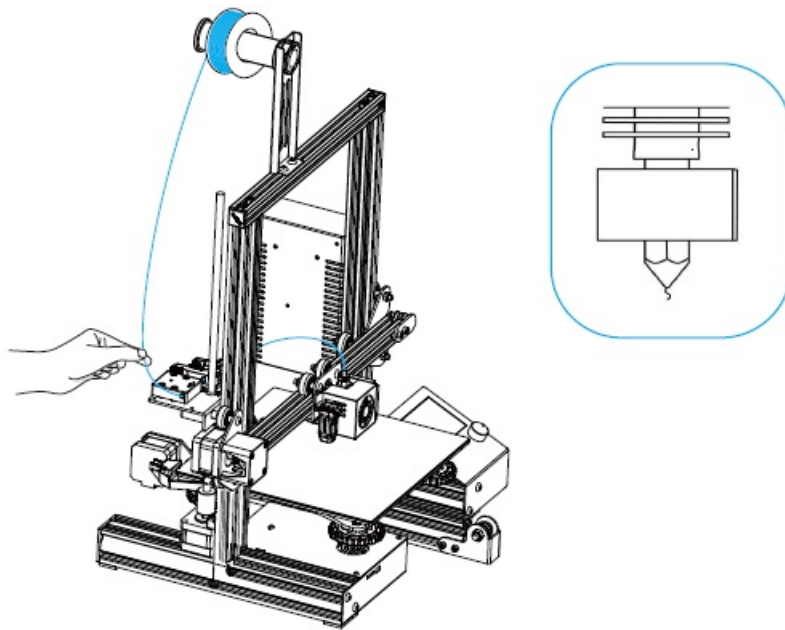
| | | |
|---|---|---|
|  |  |  The nozzle is too far away from the platform, and the filaments cannot stick to the platform. |
|  |  |  The filament is evenly extruded and sticks to the platform just right. |
|  |  |  The nozzle is too close to the platform, and the filament is not extruded enough, which may damage the platform. |

Loading the Filament

- In order to successfully load the filament, please trim the end of the filament at an angle of 45 degrees.
- Press the filament until it passes through the filament detection hole. Then press and hold the extruder handle to insert the filament into Teflon tube until it reaches the nozzle.
- Warm up the nozzle. If the filament flows out of the nozzle when the temperature reaches the target value, the filament is properly loaded.

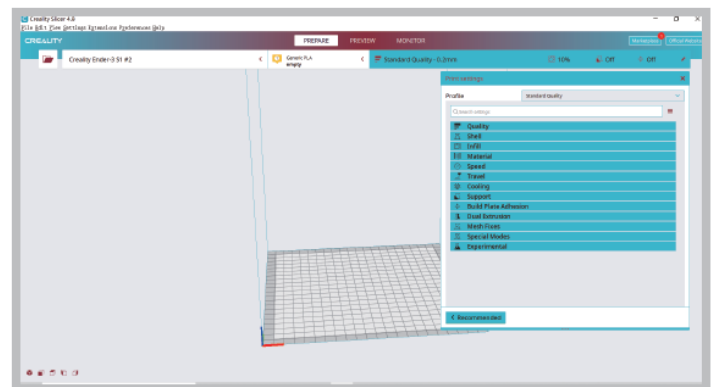
Replacing the filament:

- When the printer is not printing:
 - Heat the nozzle to 185°C or higher, wait for the filament in the nozzle to soften. Then press and hold the extrusion handle to quickly extract the filament to prevent it from clogging in the heat break.
 - Pause the printing. After the printer stops, press and hold the extrusion handle and quickly extract the filament to prevent it from clogging in the heat break.
 - Place the new filament onto the rack and press it through the filament detector. Press and hold the extrusion handle to insert the filament into the nozzle. Then push the filament to squeeze out the residual filament in the nozzle and clean up the nozzle before resuming printing.

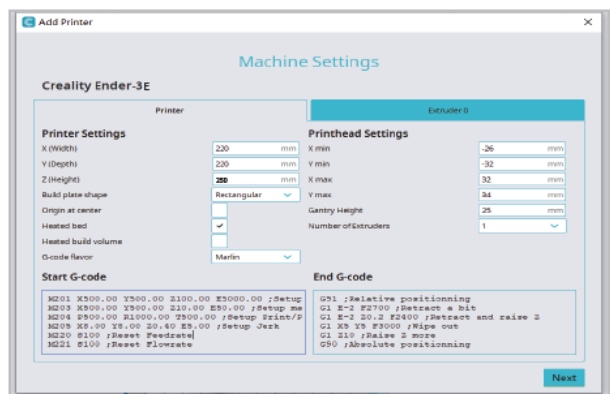
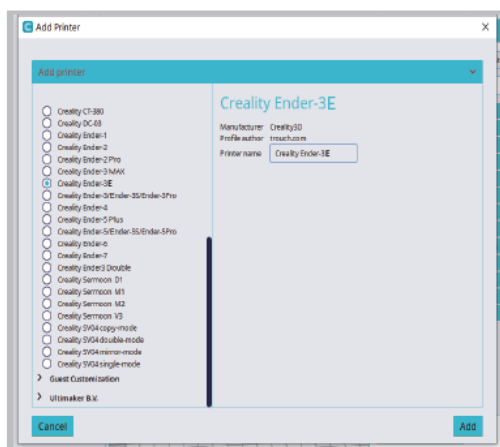


Model Slicing Tutorial

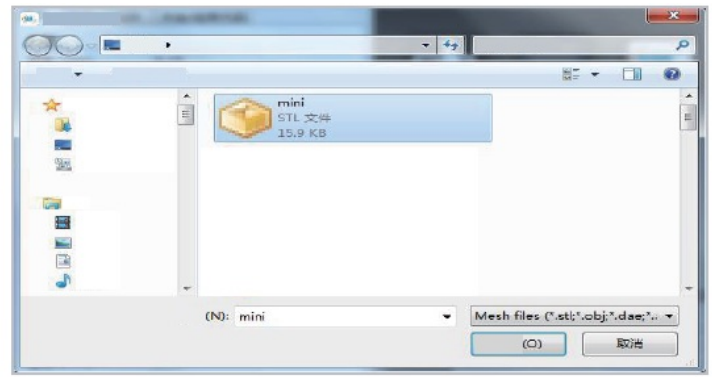
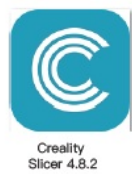
1. Scan the QR code above to download from the website, or find the Creality software on your memory card and install it.



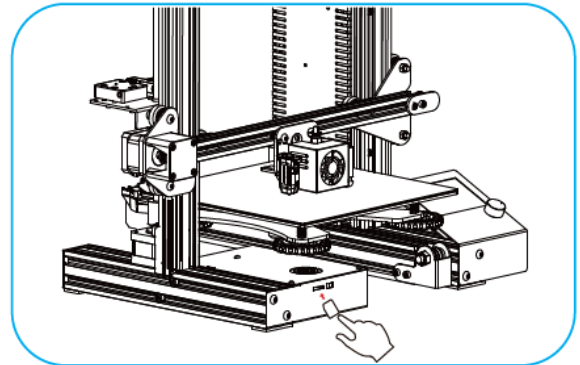
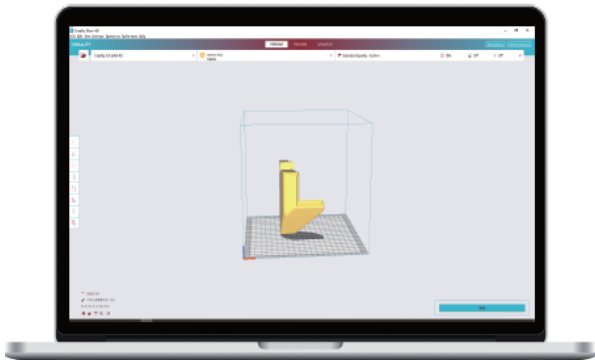
2. Go to Preferences → Configure Creality → Select language → Next → Finish to complete the configuration.
3. Select the model of this printer (Ender-3 E)



4. Enter parameters → Close.
5. Launch the Creality slicing software.



6. Load the file.
7. Select the file.
8. Generate the G-code file → Save it to the memory card.



9. Insert the memory card → Print → Select from the menu → Select the file used for printing.

Do not insert any levelling codes, otherwise conflicts may be caused!

Note: For details on using the software please refer to the slicing software user manual on the memory card.

Slicing tips: Click the Random Information folder → Slicing software instructions.

The file name must only contain Latin letters and digits.
Chinese characters or special symbols must not be used.

Start Printing

Before printing, please check the printer again following these steps:

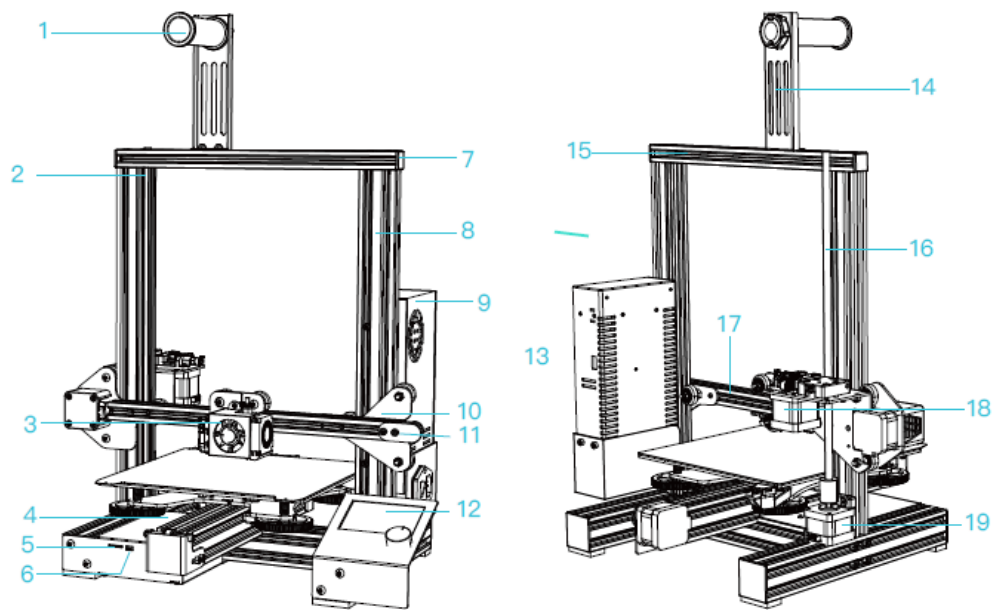
When the printer is powered off:

1. The nozzle is tightly connected and moves smoothly to the left and right.
2. The X axis is horizontal and stable (not wobbling up or down), and it moves run smoothly up and down. 3.The Y axis is tightly connected. The platform does not shake and moves back and forth smoothly. 4.The filament rack does not shake. The rollers are smooth. The filament extrusion is smooth.

When the printer is powered on: Please make sure to select the correct voltage mode

1. The screen display and knob work properly. The movements of the X, Y, and Z axes are smooth.
2. The nozzle and hotbed heat up properly.
3. The feed and return of the filament works properly.

About the Printer



1. Material Barrel
2. Z-axis left profile
3. Printhead kit
4. Rack
5. TF Card Port
6. USB Port
7. 20 Profile end cap
8. Z-axis right profile
9. Power supply module
10. Z-axis passive component
11. X adjusting component
12. Display Screen
13. Voltage switch
14. Base component
15. Top gantry profile
16. Screw rod
17. X-axis profile
18. Extrusion kit
19. Z-Axis Motor

Device Specifications

| | |
|----------------------------|--|
| General Specifications | |
| Model | Ender-3 E |
| Modeling Dimensions | 220*220*250mm |
| Modeling Technology | FDM |
| Number of Nozzles | 1 |
| Layer Height | 0.1mm-0.4mm |
| Nozzle Diameter | 0.4mm (standard) |
| Accuracy | ±0.1mm |
| Printing Material | 1.75mm PLA |
| Supported Formats | STL/OBJ/AMF |
| Printing Method | Memory card offline printing or online printing |
| Supported Slicing Software | 3D Creator Slicer, Repetier-Host, Cura, Simplify3D |
| Power Specifications | Input: 100-120V, 200-240V~ 50/60Hz; Output: DC 24V |
| Total Power | 270W |
| Hotbed Temperature | ≤100°C |
| Nozzle Temperature | ≤250°C |
| Resume Printing Function | Yes |
| Filament Detection | Yes |
| CR touch | Yes |
| Language | English |
| PC Operating Systems | Windows XP/7/10/MAC/Linux |
| Printing Speed | ≤ 80mm/s, recommended between 30 to 60mm/s |

Due to the differences between different machine models, the physical objects and the final images can differ. The final explanation rights shall be reserved by Shenzhen Creality 3D Technology CO., Ltd.

SHENZHEN CREALITY 3D TECHNOLOGY CO., LTD.

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For the after-sales service and technical support, please scan the QR code on the left.

Documents / Resources



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Ender-3 E 3D Printer, Ender-3 E, 3D Printer, Printer