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K2 SE User Manual



Dear **Users**

Thank you for choosing Creality products. This quick guide introduces the steps for unboxing, installation, and debugging. Please read it carefully before use. For more detailed instructions, unboxing videos, and after-sales service tutorials, please visit the Creality Wiki platform. The Creality team is always ready to provide you with quality service. If you encounter any problems during use, please contact us through the phone number and email provided at the end of this quick guide.

Bought a product but don't know how to use it? Don't worry, all your confusions will be resolved!

<https://wiki.creality.com>

- ✓ Comprehensive understanding of the new product, immersive exploration of its features.
- ✓ Detailed operation guides to help you get started effortlessly.
- ✓ Professional after-sales support platform offering efficient solutions.

Creality Cloud - Your 3D Printing Universe Awaits! Discover the all-in-one 3D printing platform designed for all enthusiasts.

<https://www.crealitycloud.com>

- ✓ Access a vast library of high-quality models.
- ✓ Built-in cloud slicing and Print Settings make printing easier than ever.
- ✓ Control remotely and print with just one click, anytime, anywhere.

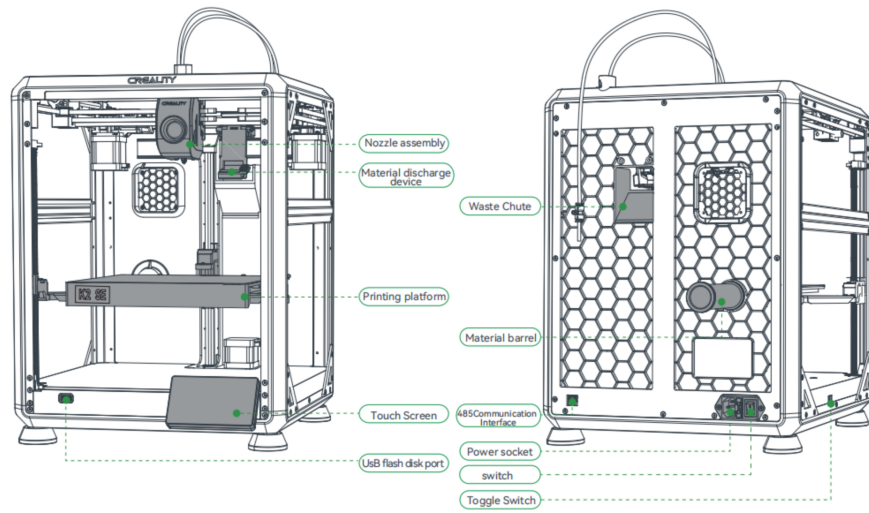
Notes

1. Do not use the printer in any way other than described herein in order to avoid personal injury or property damage;
2. Do not place the printer near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, cool and dustless environment;
3. Do not expose the printer to a violent vibration or any other unstable environment, as this may cause poor print quality.
4. Please use recommended filaments to avoid clogging of the extrusion head and causing damage to the machine;
5. Do not use the power cable of other products during installation. Always use a grounded three-prong power outlet, which accompanies the printer;
6. Do not touch the nozzle and the heated bed during operation to avoid burns or personal injury;
7. Do not wear gloves or wraps while operating the machine to prevent entrapment of movable parts that could cause crushing and cutting injuries to bodily parts;
8. Use the provided tools to clean the filament from the extruder in time taking advantage of the residual temperature after printing. Do not touch the extruder directly when cleaning, otherwise it may cause burns;
9. Clean the printer frequently. Clean the printer body with a dry cloth regularly after powering off the printer, wipe away dust, bonded print filament and foreign objects on the guide rails;
10. Children must be accompanied by an adult at all times when using or near the printer;
11. Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our products or equipment for any illegal purposes; Creality will not be responsible for any violators' legal liability under any circumstance;
12. Tip: Do not plug in or unplug wires on a charged basis.

Tutorial Video

1. Printer Information

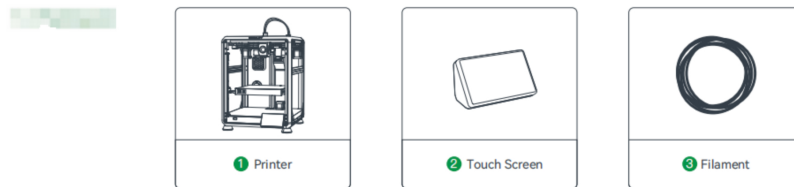
1.1 About the Printer



1.2 Device Specifications

Equipment Specifications	
Model	K2 SE
Dimensions	355*355*482mm
Machine Weight	10.58kg
Max. Build Dimensions	220*215*245mm
Print Technology	FFF
Rated Voltage	100-120V~/200-240V~, 50/60Hz
Rated Power	350W
Ambient temperature	10°C-35°C
Extruder	Proximal extrusion
Supported Filament	Hyper PLA/PLA/TPU 95A/PETG
Max. Heated Bed Temperature	100°C
Max. Nozzle Temperature	300°C
User Interface	3.97inch touch screen
Print Interface	USB drive printing /Local Area Network Printing/Creativity Cloud Printing
Power Loss Recovery	Yes
Filament Detection	Yes
Auto leveling	Yes

1.3 Packing List

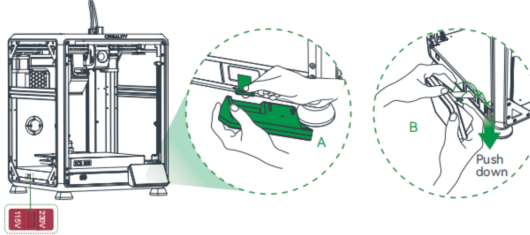


Tool Box List			
1 Wrench and screwdriver ×1	2 Material barrel ×1	3 Cutting Plier ×1	4 1.2mm Nozzle Cleaner ×1
5 Power Cable ×1	6 M6 Socket Spanner ×1	7 Double connector & screw ×1	8 Quick Guide ×1
9 After-sales services card ×1	Tips: the above accessories are for reference only. Please refer to the physical accessories		

2. Unboxing

2.1 Install the Product

- Take the touch screen out of the tool box and connect the touch screen to the flat cable extended from the base according to Figure A. Then snap the touch screen into the slot in the baseplate, as shown in Figure B. (Please follow the illustrated direction to insert; otherwise, the screen interface may be damaged.)

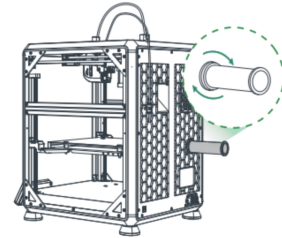


- Do not power up the machine while you are connecting or disconnecting the touch screen.
- The flexible flat cable of the base is pulled lightly and broken carefully.

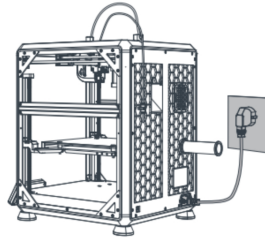
⚠ Caution

- Please ensure the correct position for the power supply switch and mains before supply connection, in order to avoid damage to the device.
- If the mains between 100V and 120V, please select the 115V for the power supply switch with a straight screwdriver.
- If the mains between 200V and 240V, please select the 230V for the power supply switch (default is 230V) with a straight screwdriver.

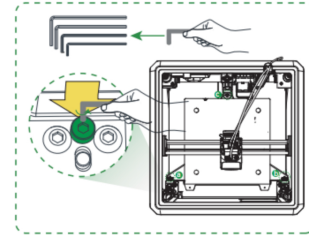
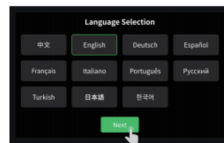
- Install the material barrel.



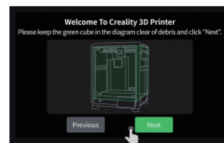
- Connection and power on.



- Select a language and click "Next". Remove three screws a, b and c according to position indicated by the yellow arrow. click "Next" on the screen.



- Keep the green cube in the figure clean of debris and then click "Next".



Translation: The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

2.2 Power-on Guide



The left side is the navigation bar :

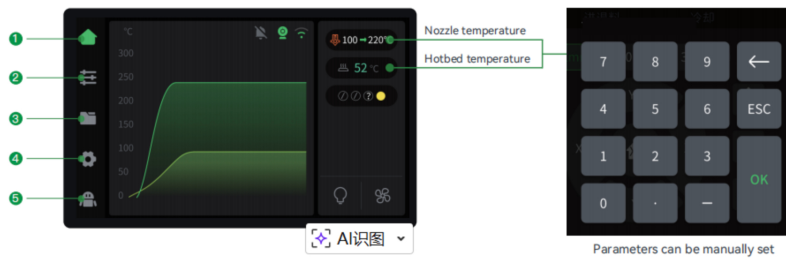
- Home: In idle state, you can view the temperature of each part of the machine; during printing, you can view the model printing progress and other information on this interface.
- Adjustment page: On this page, you can operate the machine to move, load filaments, etc.
- File page: On this page, you can choose to print files and operate printing.
- Function setting page: You can set network, camera and other functions, you can also view machine information.
- Help page: You can export logs or view machine wiki.



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3. Product Usage

3.1 User Interface

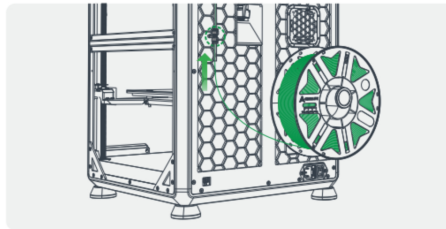


The left side is the navigation bar :

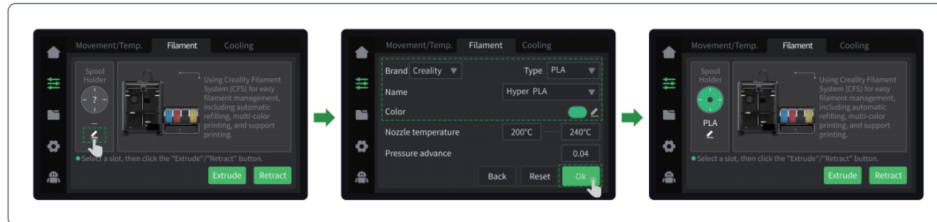
- ① Home: In idle state, you can view the temperature of each part of the machine; during printing, you can view the model printing progress and other information on this interface.
- ② Adjustment page: On this page, you can operate the machine to move, load filaments, etc.
- ③ File page: On this page, you can choose to print files and operate printing.
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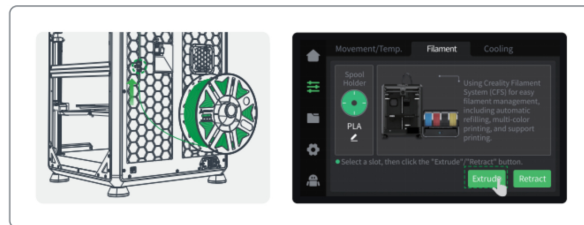
3.2 Loading Filament From Spool Holder



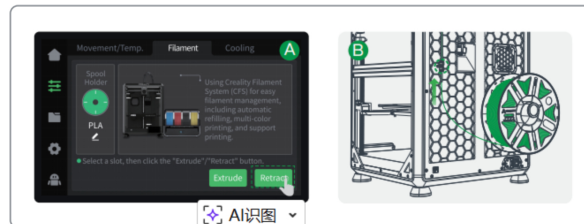
- ① Hang the filament on the spool holder and thread it through the PTFE tube, gently pushing until it can no longer be advanced.



- ② Manually tap the screen to set the filament information: Adjustment page → Filament → Edit (as shown below the material rack). Set the filament brand, type, name, and color, and finally click "OK" to save the settings.



- ③ Extrude: Push the filament gently by hand, and click "Extrude" on the filament interface. The machine will automatically set the current filament temperature, and will automatically extrude the filament after the heating is completed.

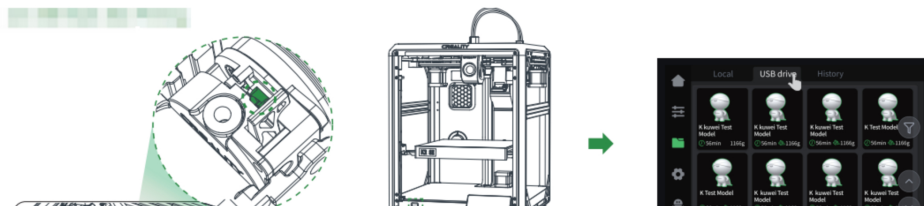


- ④ Retract: A. Click Retract on the filament management page, and the extruder will automatically move to the left front to cut off the filament for retraction.
B. Wait for the retraction to end, and extract the filament from the Teflon tube behind the machine.

During extruding, you can observe whether there is filament flowing out of the nozzle. If no flow-out is observed, you can gently push the filament toward the extruder at the Teflon tube behind the machine, and then click "Extrude" again.

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3.3 USB flash disk Printing



1 Insert the storage device

2 USB flash drive model

3 Select t AI识图

4 Printing

Note: Insert consumables and proceed with the feeding operation once the out-of-material detection light is on.

Warm prompt: Selecting print calibration can improve print quality.

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4. CFS connection and usage

4.1 The steps to connect to CFS

Users who have not purchased CFS can skip this step.

- Green is the 485 cable.
- Yellow is the PTFE tube.

CFS comes with a 2.0m long PTFE tube.

Cut two Teflon tubes from a long Teflon tube (provided with the CFS cartridge): a shorter one (about 55 cm) and a longer one (about 70 cm).

Connect the 2 pieces of 485 cables (provided with the CFS) between the CFS and the buffer.

1 Install the filament buffer on the back of the printer and tighten it with two buffer screws; pay attention to the direction of the buffer, do not install it in a wrong direction.

Buffer mounting location

Users who have not purchased CFS can skip this step.

1 Push the lever to the top according to Step A, and insert the shorter (approximately 55 cm) PTFE tube to connect the buffer and the extruder.

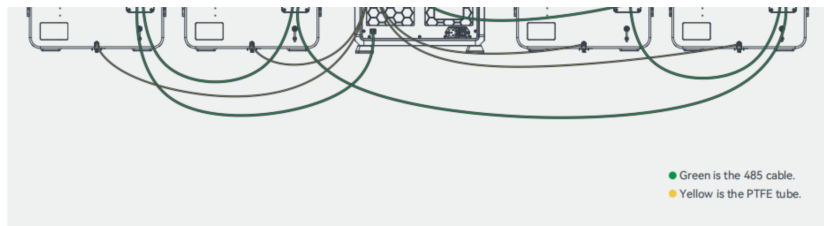
2 Connecting the CFS to the buffer: Insert one end of the longer PTFE tube into the buffer (Step B, any one of the four available holes will suffice); insert the other end into the CFS filament outlet (Step C).

3 Connect CFS and Buffer: Follow steps D and E to connect the 485 cable to the machine and CFS (either of the two 485 ports on CFS can be used).

4 Conectar CFS a la máquina: Sigue los pasos F y G para conectar la línea de comunicación 485 a la máquina y al CFS.

4.2 Connecting Multiple CFS

Users who have not purchased CFS can skip this step.



- Green is the 485 cable.
- Yellow is the PTFE tube.

4.3 Loading Filament From CFS



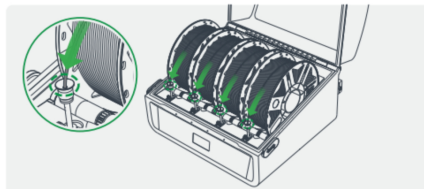
Users who have not purchased CFS can skip this step.

To avoid filament spool getting stuck, do not use cardboard spool with untreated edges or cardboard spool that are deformed as a whole.

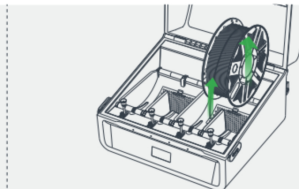


- 1 is the Refresh RFID button, which can be used to read filament. If the reading is successful, the remaining filament and filament color will be displayed. If the reading fails, the filament editing button will be displayed as "?";
- 2 is the empty slot state, displayed as "?", and editing is not supported;
- 3 means that the RFID filament is read, the eye icon is for viewing filament information, RFID filament only support viewing; if this is RFID and you want to use non-RFID next time, click the pre-loading button, wait for the reading to complete, and then click the filament editing button;
- 4 is ordinary filament, which support editing;
- 5 is the state where RFID is not read, the filament display "?". At this time, you need to click the edit button to manually edit the filament information;
- 6 is the CFS humidity status. Green means the humidity is appropriate, orange means the humidity is slightly higher, and red means the humidity is very high. The desiccant may need to be replaced.

1 Introduction to the filament management interface: The filament management page is divided into two parts: the spool holder [left] and the CFS [right]. The code above the filament in the CFS, such as 1A, indicates the slot number;



Loading filament: Put the filament into the CFS, align the filament head with the Teflon tube of corresponding slot, push it in gently, and let go after feeling the pulling force. The filament will be automatically loaded.



Unloading filament: First, make sure that the filament is not in the extruder, in this case, just pick up the filament and pull it out; if it is in the extruder, click the Retract button first, wait for the filament to return to the CFS, and then take out the filament.

2 Load/unload filament.

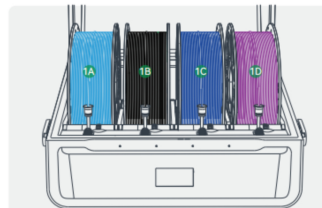
4.4 Filament Setup



1 Put in filament and wait for tightening (RFID filament does not need to be edited, in case of non-RFID filament, "?" will be displayed after reading, and filament needs to be edited manually);

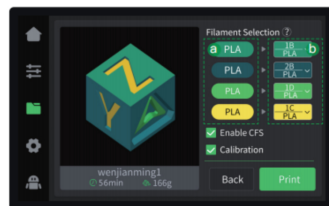
Users who have not purchased CFS can skip this step.

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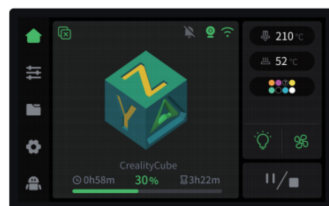
2 Check whether the filament information displayed on the screen corresponds to the filament in CFS.

4.5 Print consumables mapping



1 Click the file on the screen, confirm the filament mapping status, and click Print;

- The area 1 is the color and type of the material contained in the print file. For example, the green background PLA in the figure indicates that green PLA is required;
- The area 2 is the state after the mapping of the print file to the filament bin is completed. For example, there is no green PLA in the filament bin, and the blue PLA is automatically selected;
- When the mapping fails, "-" will be displayed, and the user needs to manually select the material;
- Enabling CFS means printing with CFS filament, otherwise the material rack filament will be used for printing, and the multi-color file will be regarded as a single-color file;
- Check the Print Calibration to enable the auto-leveling function.



2 Printing.....

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

5. Network printing

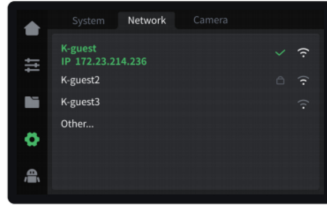
5.1 LAN Printing

5.1.1 Software Download and Installation

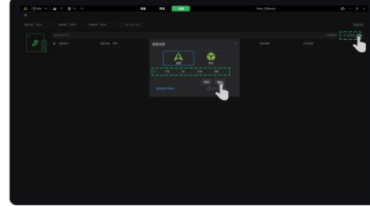
5.1.2 Bind Machine to LAN



Log in to the Creality Cloud website to download the latest Creality Print slicing software:
<https://www.crealitycloud.cn/software-firmware/software/creality-print> ;



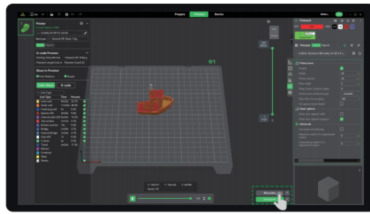
1 Check the machine IP on the machine screen: Settings → Network;



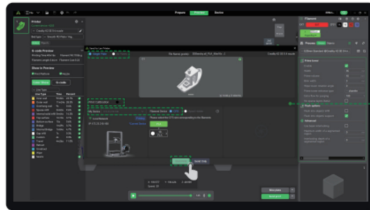
2 Enter the machine IP in the slicing software for binding: Manually add → Enter IP;

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

5.1.3 Slice and send to print



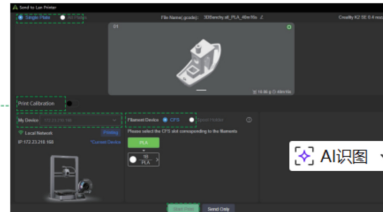
1 Click "Slice Single Disk", and after slicing is complete, click "Send to Print".



2 Check the machine and consumables information, and click "Start Printing."

To explore more detailed slicing software tutorials, please log in to the Creality official Wiki:
<https://wiki.creality.com/zh/software/update-released>

Translation: The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.



5.2 Creality Cloud Printing

5.2.1 Download and install software

1. Method 1: Scan the QR code below to download and install the Chuangxiangyun App.

<https://www.crealitycloud.cn>

- ✓ Access a vast library of high-quality models.
- ✓ Built-in cloud slicing and Print Settings make printing easier than ever
- ✓ Control remotely and print with just one click, anytime, anywhere.



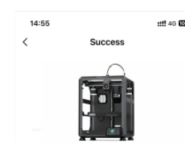
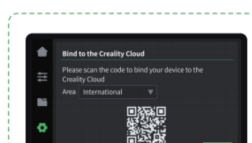
Creality Cloud App

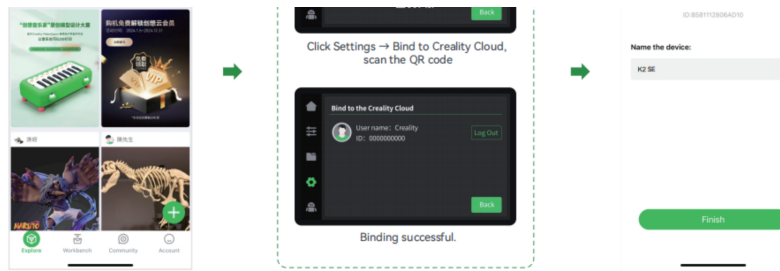
2. Method 2: Search for "Creality Cloud" in the App Store, download and install it



5.2.2 Bind and add device

Use the Creative Cloud App mobile application to scan the QR code on the printer screen to link the printer with your account.





6. Tips and Routine Maintenance

6.1 Maintenance Items

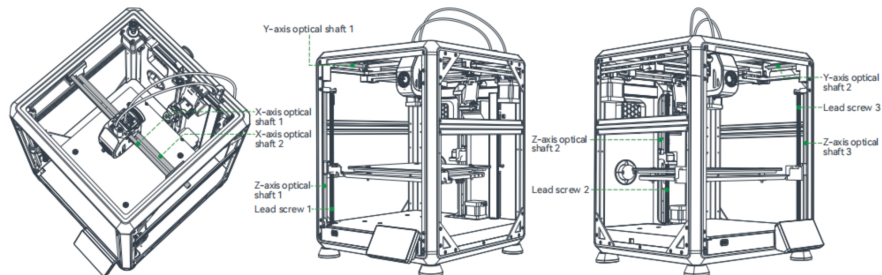
Maintenance instructions		
Machine cleanup	Clean the debris inside the machine to ensure that its operation is not affected.	Before each print
Hot end	Solution to extruder blockage: After preheating and removing the filaments, raise the temperature of the extruder and poke into the extruder from top to bottom using an extruder cleaner until the blocked filaments are poked out.	After extruder blockage
	Replace the nozzle.	Cumulative print time per 500 hours
	Check if the wire output is normal, if not, please check if the extruder is blocked.	After each change of filaments
	Check the nozzle for filament residue, if so, heat the nozzle and remove it with a tool.	Before each print
Printing platform	Check the surface of the platform for residual filaments and glue, if so, clean the surface of the platform.	Before each print
Motion mechanism	XYZ optic axis lubrication.	Cumulative print time per 500 hours
Equipment self-test	Axis movement.	Cumulative print time per 300 hours
	Optimization of vibration veins.	
	Auto Leveling.	
Filament replacement	Replacement of filaments of the same kind: follow the normal Retreat - Feed process.	/
	Replacement of different filaments: Preheat the nozzle to reach the target temperature of the current filament; then retreat it, replace with the target filament, and preheat the nozzle to the higher filament extrude temperature of the two filaments; feed for 30s until the filament has been completely extruded, and finally set the nozzle temperature to the temperature of current filament nozzle.	

If the above issues cannot be resolved:

- 1 You can log in to the Creality Official Wiki (<https://wiki.creality.com>) to explore more detailed after-sales service tutorials.
- 2 Or contact our after-sales service center at +86 755 3396 5666, or send e-mail to cs@creality.com.

6.2 Precautions for printing

6.2.1 Lubrication and maintenance



Tips: please grease and lubricate the designated areas regularly (as shown in the picture). (Users may buy the grease themselves for machine maintenance.)

6.2.2 Use and maintenance of flexible platform



Features

- Stronger model adhesion, easy to remove the model after printing.
- Double-sided epoxy resin coating, both sides can be used for printing.
- Epoxy resin coating does not blister, textured surface is easy to clean.

Precautions for use

- If the heated bed temperature is too low during printing, poor adhesion may occur.
- If there is oil or hand sweat on the platform surface, poor adhesion may occur.
- Excessive nozzle pressure or forcefully removing the model with a metal spatula can easily damage the epoxy coating.



If you want to buy the above flexible platform, you can enter the mall <https://vip.creality.com/en/goods-detail/2105> for purchase.



1 Together with the flexible platform after the printed model has been cooled down. Remove from the device



2 The residue of the platform filaments can be scraped off with a blade. Be



3 When the first layer of the model is not glued, it is recommended to apply glue

and partially bend the platform slightly to separate the model from the platform. (No excessive bending of the platform to prevent it from being deformed and unusable)

cautious of safety when using.

stick evenly on the surface of the platform



Reminder: Since the printing platform is quick-wear, it is recommended to replace the printing platform regularly to ensure that the first layer of the model is adhered.

6.2.3 Cleaning of debris inside the chassis

