CREALITY

CFS-C

User Manual

CFS-C Filament Management System

V 1.0_EN

To Our Dear Users

Thank you for choosing Creality. For your convenience, please read through this User Manual before you start and follow the instructions provided carefully.
Creality is always ready to provide you with high-quality services. If you encounter any issues or have any questions when using our products, please use the contact information at the end of this manual to contact us. To further improve your user experience, you can find more about our devices via the following methods:
Visit our official website (https://www.creality.com) to find information regarding software, hardware, contact information, device instructions, device warranty information, and more.

Firmware Upgrade

1. You can upgrade the firmware directly through the device screen;
2. You can upgrade the firmware via the Creality Cloud OTA;
3. Please visit the official website https://www.creality.com, click on “Support → Download Center ” , select the corresponding model to download the required firmware, (Or click on“Creality Cloud → Downloads → Firmware”) , after installation is complete, you can use it.

Product Operation and After-Sales Service Information

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.

Creality Wiki

NOTES

1. Do not use the printer in any way other than that described herein in order to avoid personal injury or property damage;

2. Do not place the machine near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, cool and dustless environment;

3. We recommend the use of Creality Hyper plastic tray series filaments, which have been tested extensively;

4. Do not use the power cable of other products during installation. Always use the attached power cable and be sure that the power plug must be plugged into a grounded three-prong power outlet;

5. To avoid filament jam, do not use TPU or PVA(wet)and BVOH(wet) for printing;

6. 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;

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

8. 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.

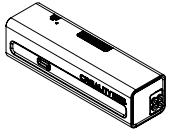
9. Tip: Do not plug in or unplug wires on a charged basis.

Contents

1. Equipment Information

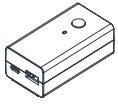
1.1 Packing List

1 CFS-C Main



2 Cutter Buffer Module

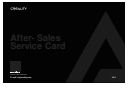
ACCESSORY KIT



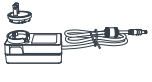
3 Communication Module

4 Creality CAN Cable ×2

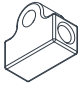
5 Quick Guide



6 After-sales service card



7 Power Adapter



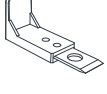
8 PTFE Pipe Holder

9 Filament Detection

10 Cutter Module Mounting Bracket

11 Cutter Module Mounting Bracket

12 USB Type-C data cable



13 Spare Cutter

14 Hex Wrench 1.5 / 2.0 / 2.5

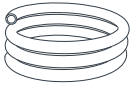
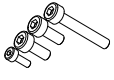
Note:

1. The above parts are for reference only. Please refer to actual items.
2. All components of the CFS-C must be used in conjunction with a printer.

1. Equipment Information

1.1 Packing List

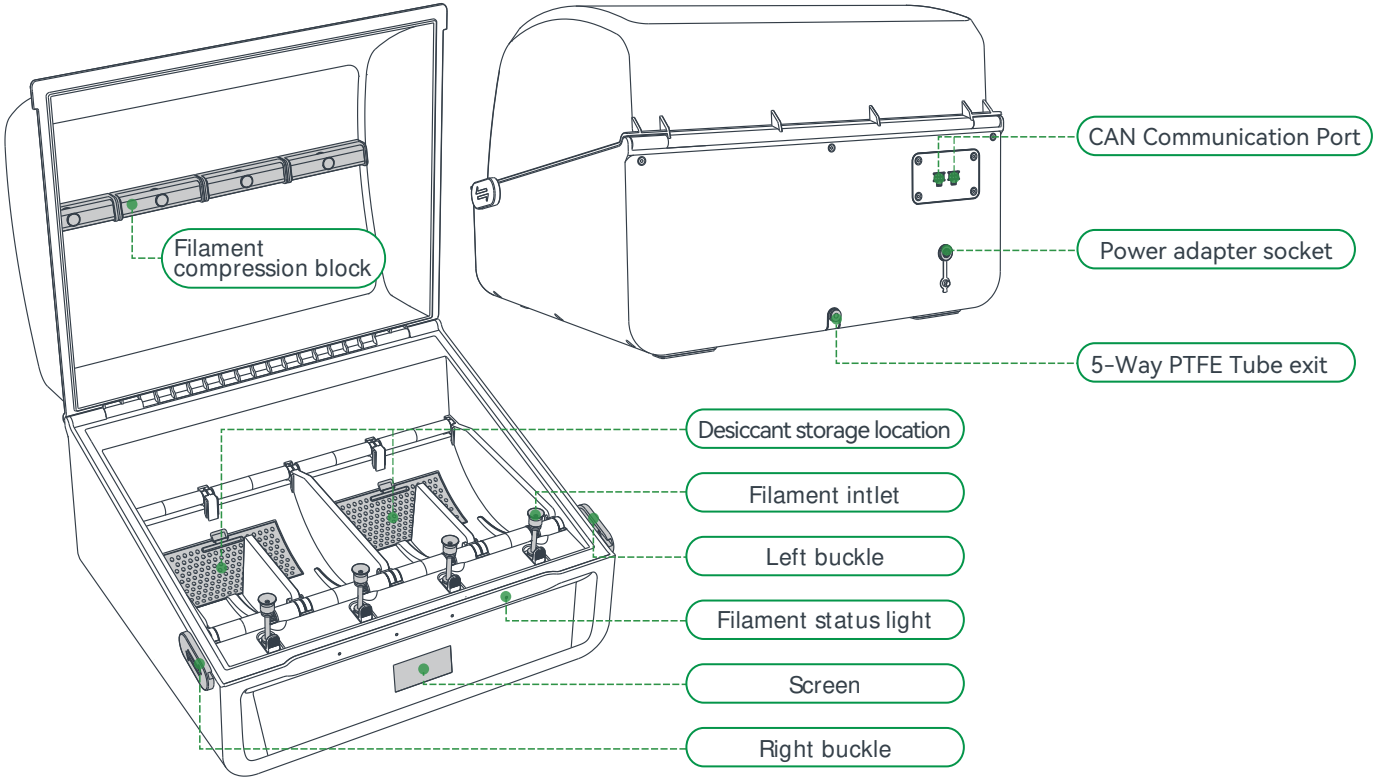
ACCESSORY KIT

 15 USB Cable Retainer	 16 Communication Module Adhesive	 17 PTFE Tube 200mm*3	 18 PTFE Tube 230mm*2
 19 PTFE Tube 1200mm	 20 PTFE Tube 60mm*4	 21 PTFE Tube 2000mm	 22 Cable Organizer Velcro Strap*5
 23 Nylon Cable Tie*6	 24 Paper Waste Bin 180×100×80mm	 24 Hex Socket Cap Screw M2×6 4PCS (For fixing cutter) Hex Socket Cap Screw M3×20 2PCS (For fixing filament detection sensor) Hex Socket Cap Screw M3×8 2PCS (For fixing PTFE tube clip) Hex Socket Self-tapping Screw M3×8 8PCS (For fixing top cover)	

Note:

1. The above parts are for reference only. Please refer to actual items.
2. All components of the CFS-C must be used in conjunction with a printer.

1.2 About the Equipment



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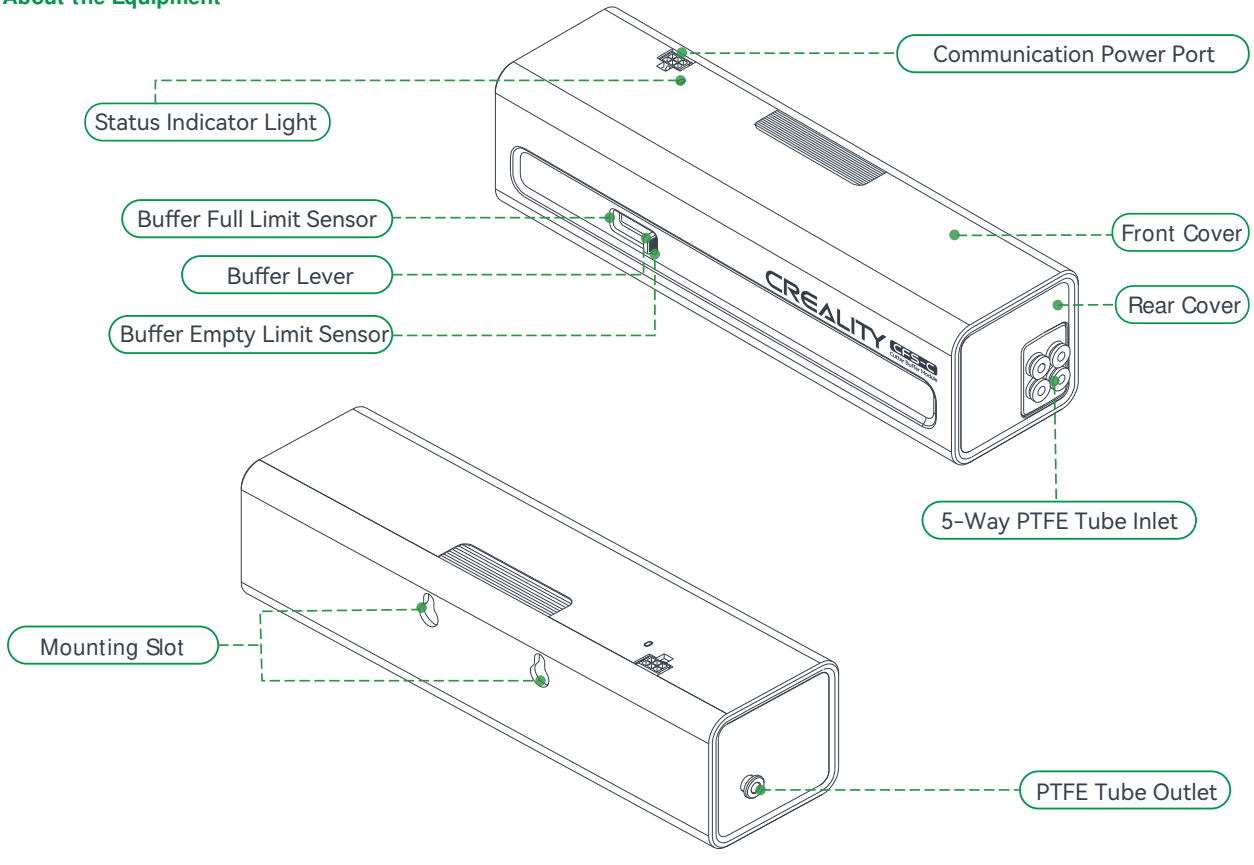

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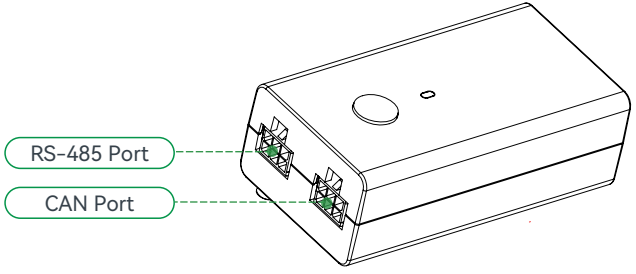
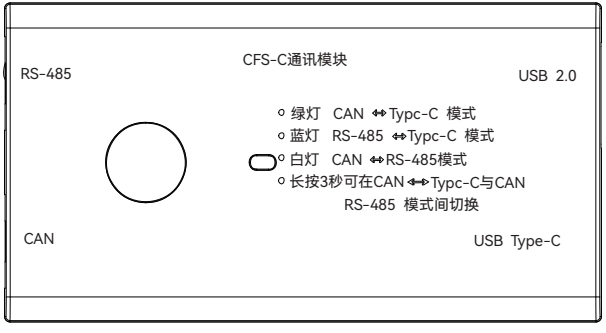
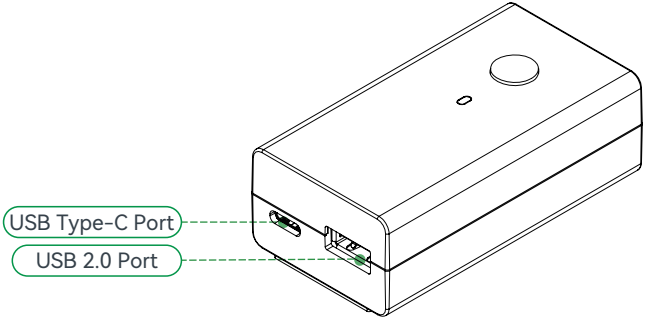




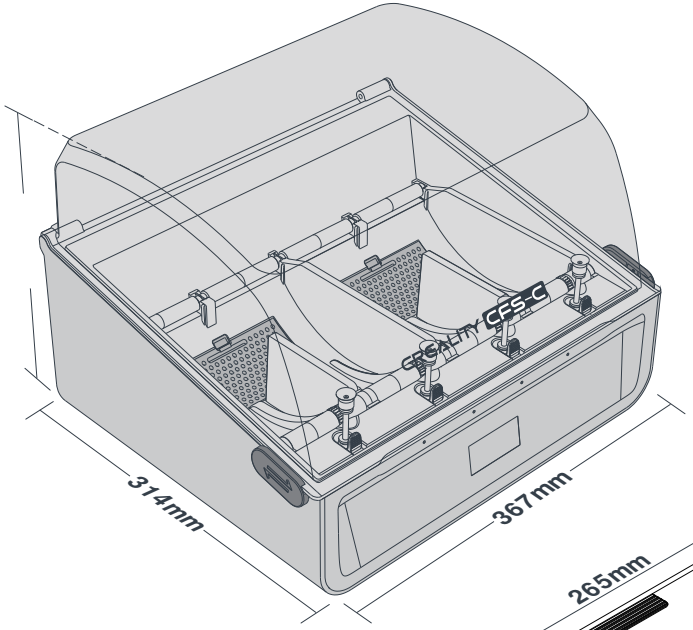


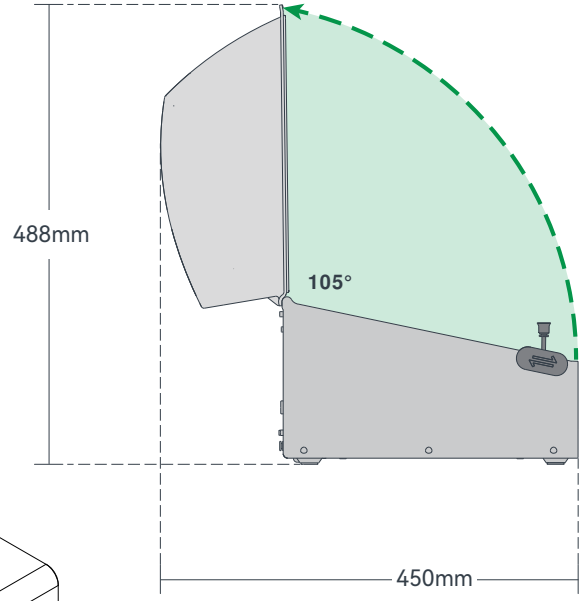
1. Equipment Information

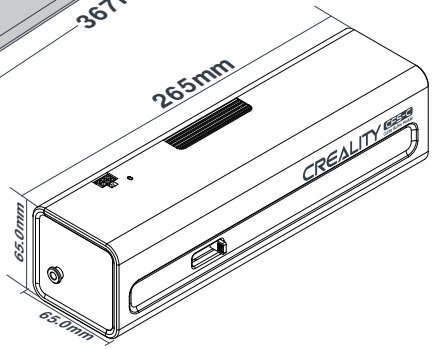
1.3 Equipment Specifications

Basic Parameters	
Model	CFS-C
Number of silos	4
Rated Power	30W
Rated Voltage	DC 24V
Expandable number	≤4
Product size	379*314*276mm
Net weight	5.05kg
Filament status multifunction indicator light	Four [one for each channel]
Communication Status Indicator Light	Included
Multi-color printing	Yes
Automatic refilling	Yes
Auto Material Feeding(Color Ignored)	Yes
RFID identification	Yes
Filament detection	Yes
Cutter Buffer	Yes
Drying	Desiccant method
Compatible filament types	PLA/ABS/PETG/ASA/PET/PA-CF/PLA-CF... (Incompatible moisture-sensitive water-soluble support filaments and soft filaments)
Filament diameter	1.75±0.05mm
Filament roll compatibility	1kg roll or roll diameter: 197-202mm; roll thickness: 42-68mm

1.4 Equipment Size

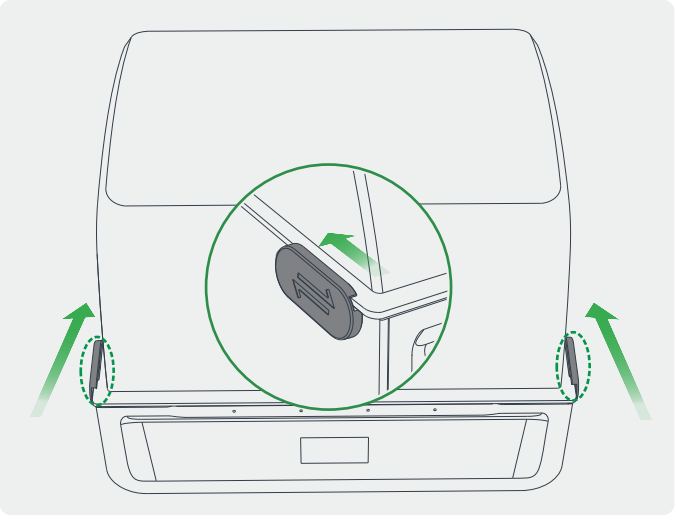




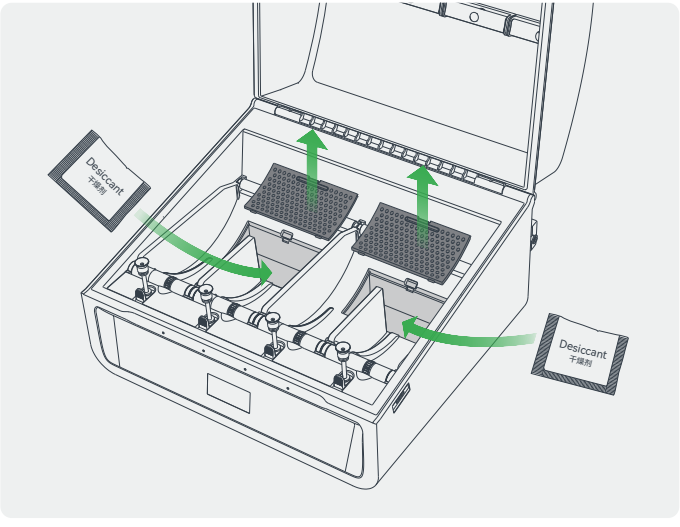


2. Unboxing

2.1 Unpack the desiccant and put it into CFS-C



1 Open CFS: Push the locking buckles on both sides of CFS to the back to unlock and open the top cover;



2 Find the desiccant storage location, open the top cover and put the desiccant in, and then put the top cover back.

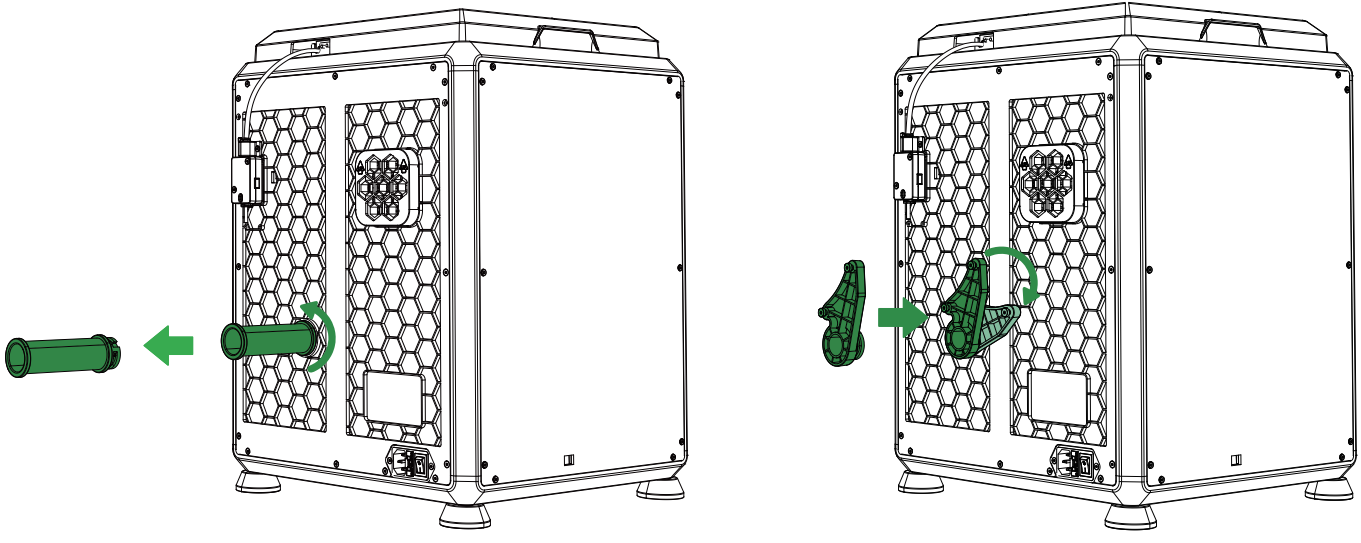
Please ensure the power is disconnected during both the unboxing/installation process and any maintenance involving wiring connections.

Please first remove the protective film from the surface of the desiccant, then place the desiccant into the CFS-C Main consumables management system.

2. Unboxing

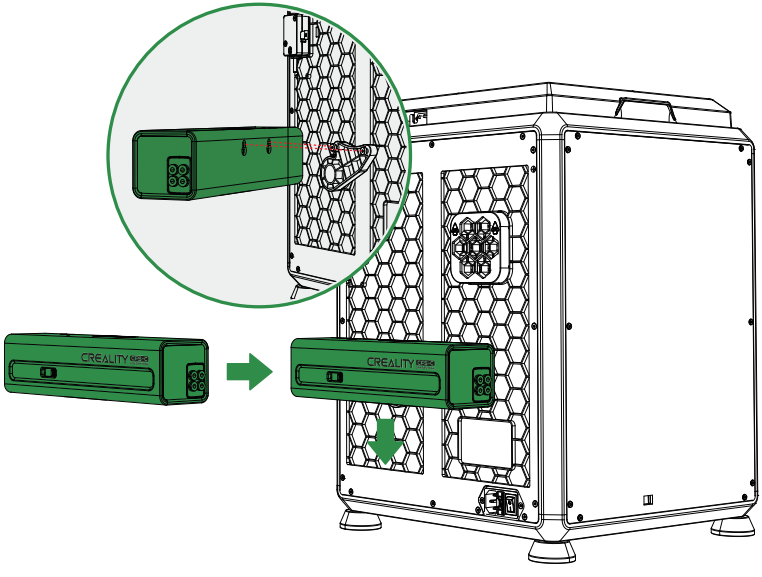
2.2 CFS-C Component Unboxing and Installation

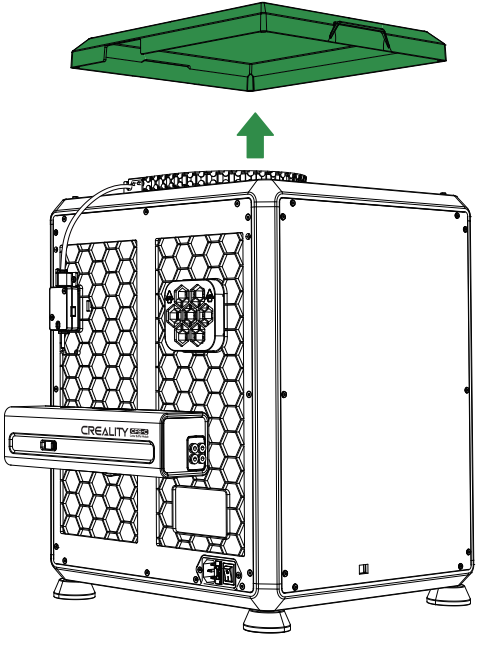
1. Remove the consumable suspension bracket from the original printer.
2. Remove the cutter module bracket, insert it into the printer's threaded hole, and rotate it clockwise by approximately 140°. Check that the bracket shows no significant wobbling.



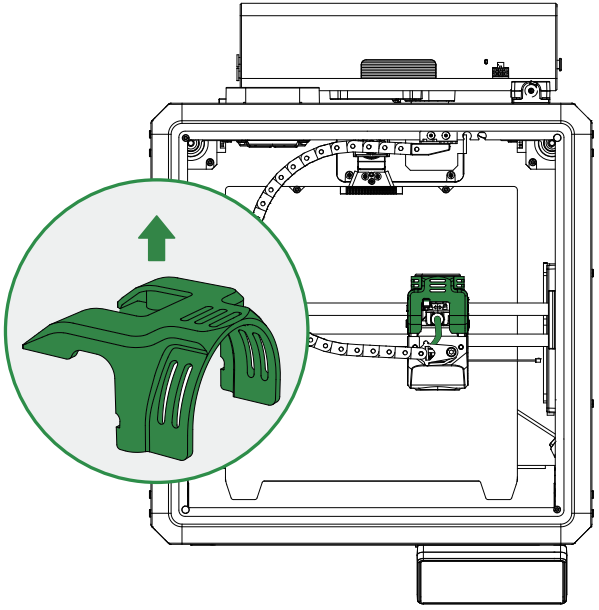
The CFS-C, as an accessory, may have slight variations in installation methods when combined with different printer models. This article uses the K1C as an example; for other models, please refer to the official Wiki.

❸ Secure the cutter buffer module onto the hanging metal support points of the cutter module bracket through the two mounting holes on its back.
❹ If present, first remove the top cover of the printer.

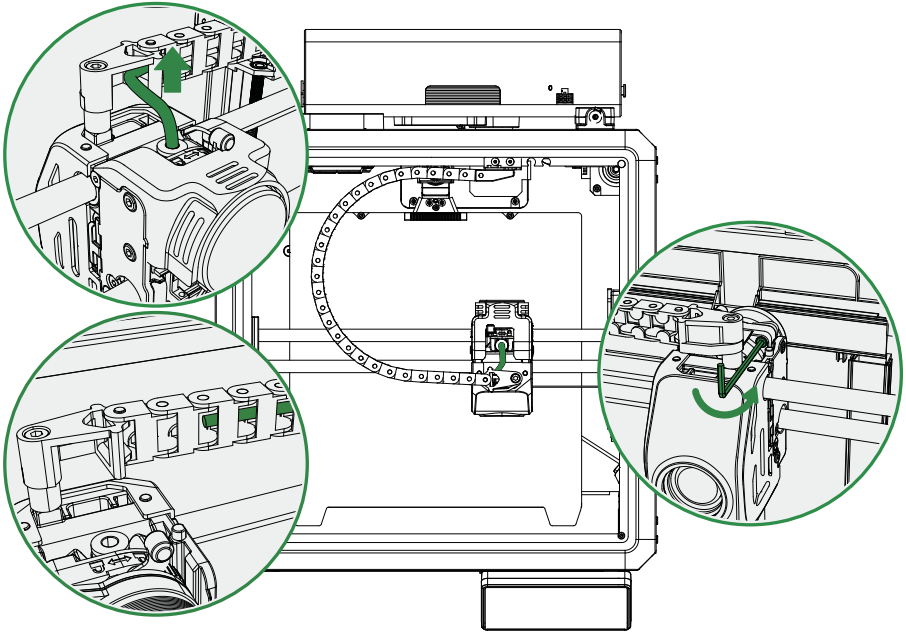




5 Gently pry off the motor cover on the printer's printhead, taking care to avoid burns from an overheated motor.



6 Disconnect the existing PTFE tube inserted into the extruder, then gently pull the other end of the PTFE tube to retract the disconnected section into the cable carrier.
7 Use the wrench from the accessory package to remove the fixing screw.



8 Disconnect the wiring from the printer's original filament detection sensor.

9 Insert the filament detection sensor into the PTFE tube connector above the printhead, and connect the other end to the machine's filament detection port. Then, secure the sensor to the printhead using an M3x20mm screw. Route the sensor's cable through or embed it within the cable carrier, and secure it with cable ties. It is recommended to use at least four attachment points.