



CFS

User Manual

CFS Filament Management System

V 1.2_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

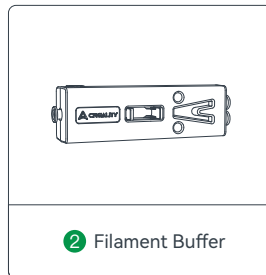
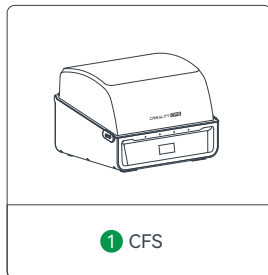
1. Do not use the printer in any way other than that described herein in order to avoid personal injury or property damage;
2. Do not place the machine near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, cool and dustless environment;
3. We recommend the 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.

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1. Equipment Information



1.1 Packing List



Accessory kit



1 Creality 485 cable 45cm



2 Creality 485 cable 100cm



3 Quick Guide

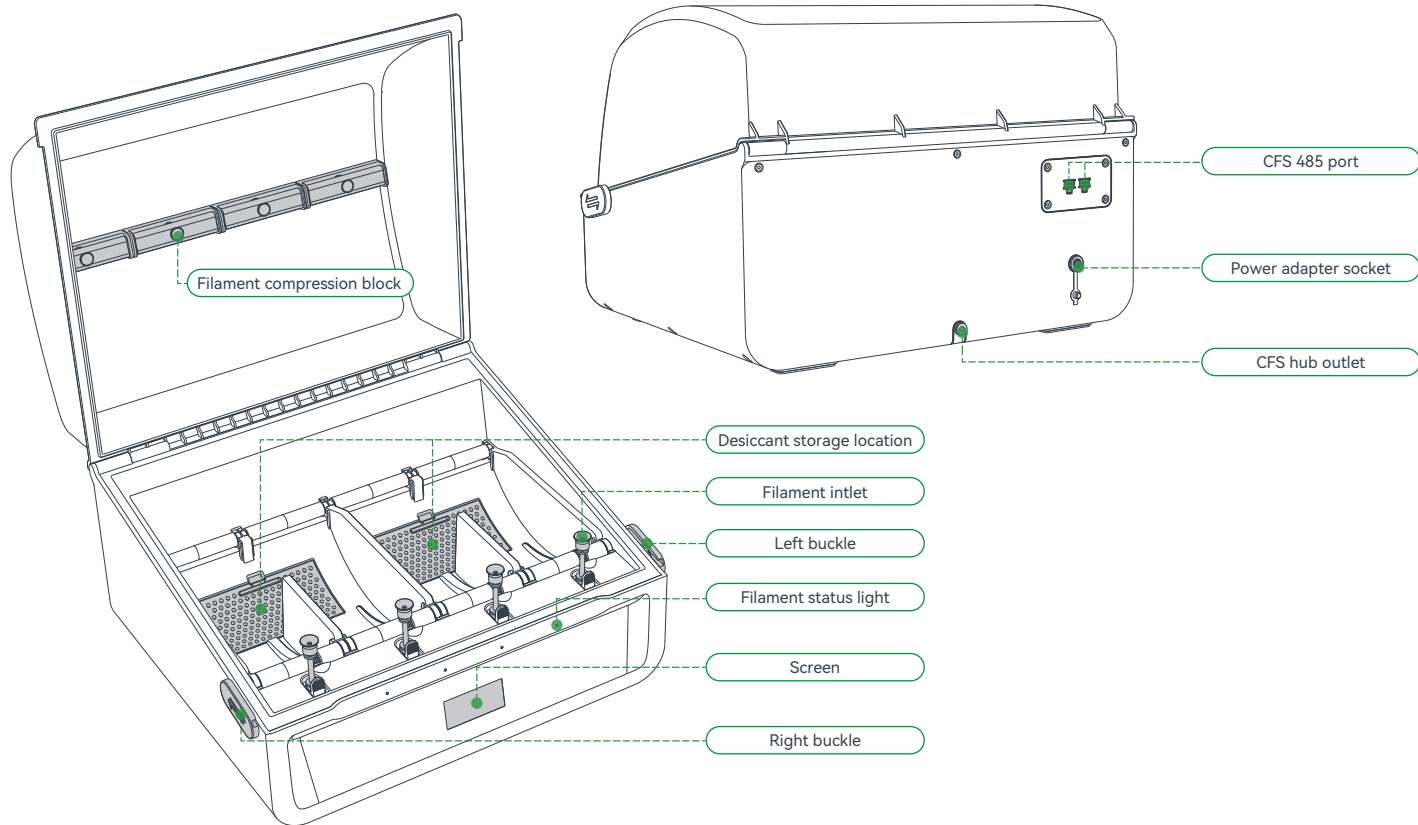


4 After-sales service card

Tips: the above accessories are for reference only. Please refer to the physical accessories.

1. Equipment Information

1.2 About the Equipment



1. Equipment Information

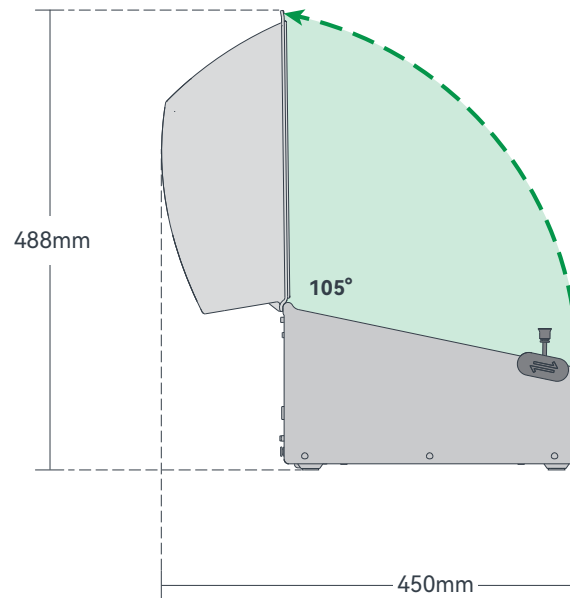
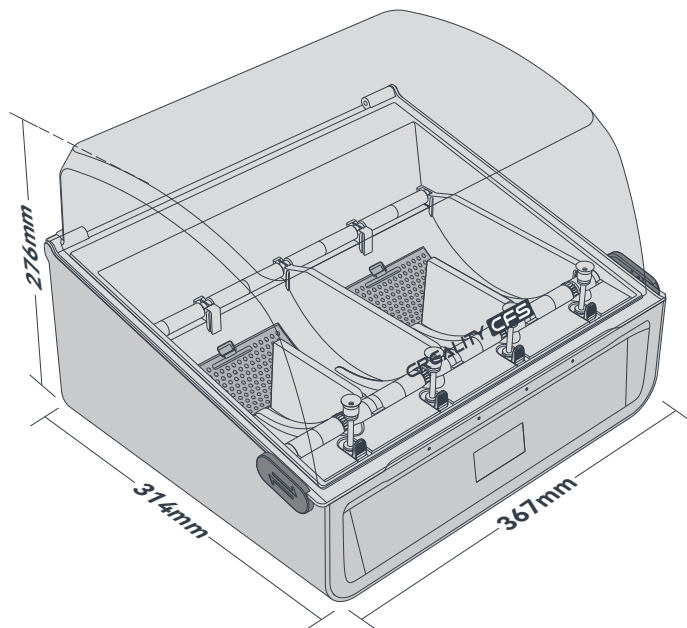


1.3 Equipment Specifications

Basic Parameters	
Model	CFS
Number of silos	4
Rated Power	20W
Rated Voltage	DC 24V
Expandable number	≤4
Product size	379*314*276mm
Net weight	4.56kg
Filament status multi-function indicator light	Four [one for each channel]
Multi-color printing	Yes
Automatic refilling	Yes
RFID identification	Yes
Filament detection	Yes
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. Equipment Information

1.4 Equipment Size

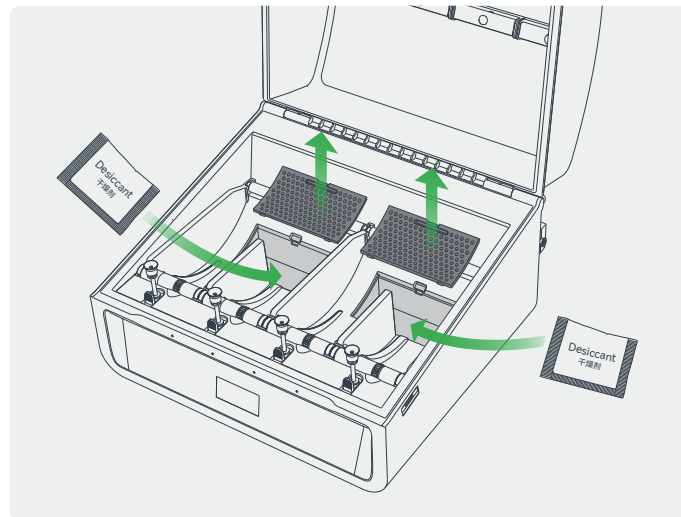


2. Unboxing

2.1 Unpack the desiccant and put it into CFS



- 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.



Tear off the film on the surface of the desiccant first, and then put the desiccant into the CFS.

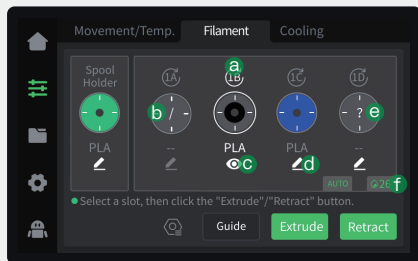
3. CFS Usage

CFS cannot be used alone and needs to be connected to a printer:

3.1 Loading Filament From CFS

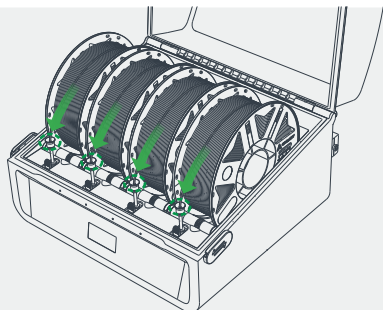
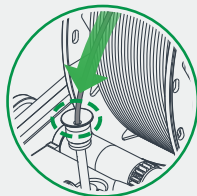


To avoid filament spool getting stuck, do not use cardboard spool with untreated edges or cardboard spool that are deformed as a whole;

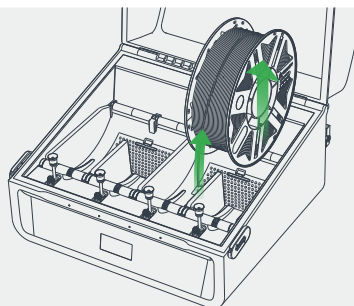


- a is the Refresh RFID button, which can be used to read filament. If the reading is successful, the remaining filament and filament color will be displayed. If the reading fails, the filament editing button will be displayed, and the filament will be displayed as "?";
- b is the empty slot state, displayed as "f", and editing is not supported;
- c 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;
- d is ordinary filament, which support editing;
- e 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;
- f 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 silo, push it in gently, and let go after feeling the pulling force. The filament will be automatically loaded.



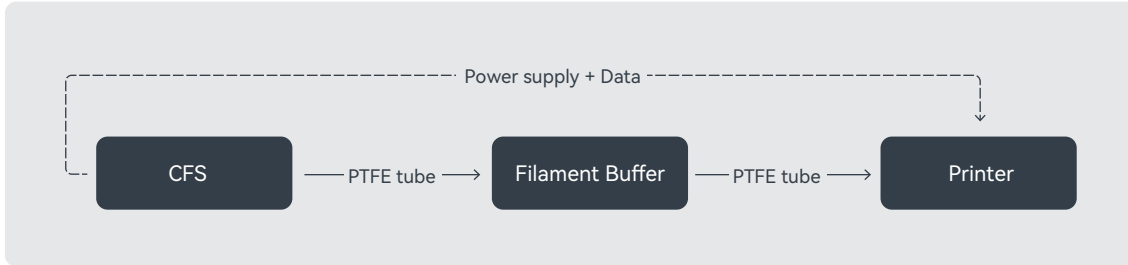
Unloading filament: First, make sure that the filament is not in the extruder, in this case, just pick up the filament and pull it out; if it is in the extruder, click the Retract button first, wait for the filament to return to the CFS, and then take out the filament.

- 2 Load/unload filament.

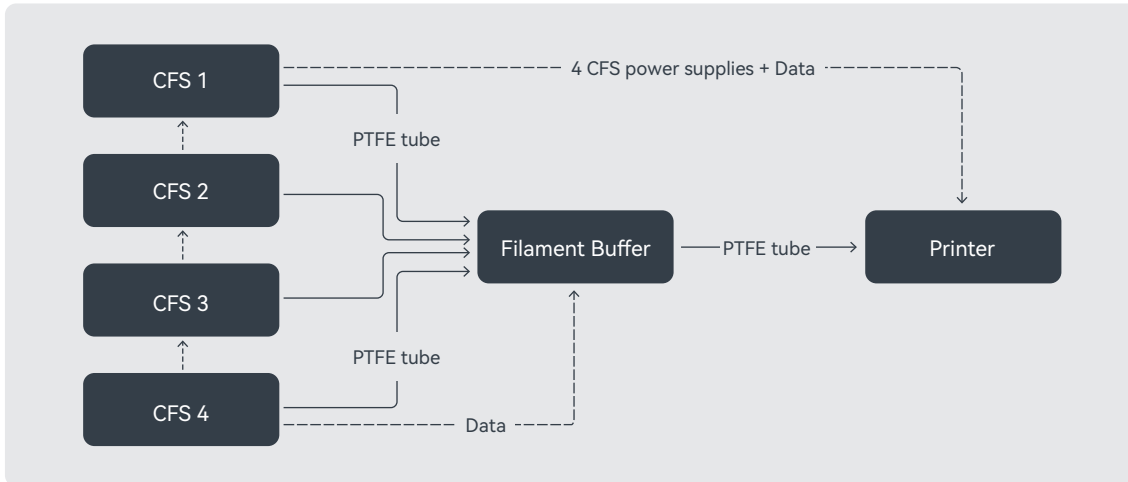
3. CFS Usage

3.2 Connecting Multiple CFSs for Use

One to one



One to four



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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



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