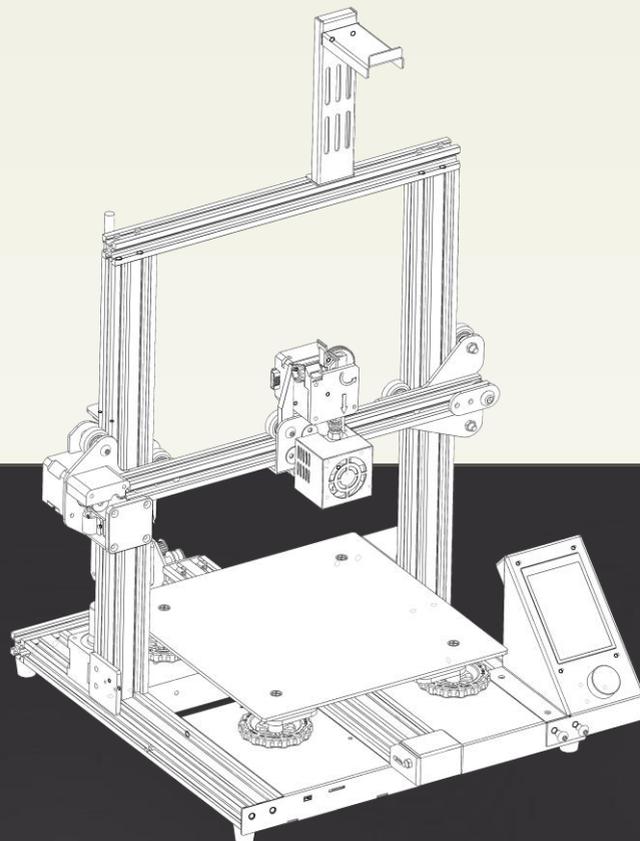




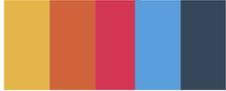
Shenzhen TOP 3D Technology Co., LTD.

TOP 3D

T22 3D Printer Guide Book



This guide book is for standard T22.
Please plug the power cord into a three-hole power jack.
Detailed instructions for use are available on the TF card.



NOTES:

1. Do not use the printer 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, low-dust environment.
3. Do not expose the printer to violent vibration or any unstable environment, as this may cause poor print quality.
4. Before using experimental or exotic filaments, we suggest using standard filaments such as ABS or PLA to calibrate and test the machine.
5. Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.
6. Do not touch the nozzle or printing surface during operation as they may be hot. Keep hands away from machine while in use to avoid burns or personal injury.
7. Do not wear gloves or loose clothing when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.
8. When cleaning debris from the printer hotend, always use the provided tools. Do not touch the nozzle directly when heated. This can cause personal injury.
9. Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or wheels . Use glass cleaner or isopropyl alcohol to clean the print surface before every print for consistent results.
10. Children under 10 years of age should not use the printer without supervision.



CONTENTS:

Dear consumers,

Thank you for choosing our products. For the best experience, please read the instructions before operating the Printer. Our 3D team will always be ready to give you the best service. Please contact us via the phone number or e-mail address provided at the end when you encounter any problem with the Printer.

For a better experience in using our product, you may learn how to use the Printer in the following ways:

View the accompanied instructions and videos on the TF card.

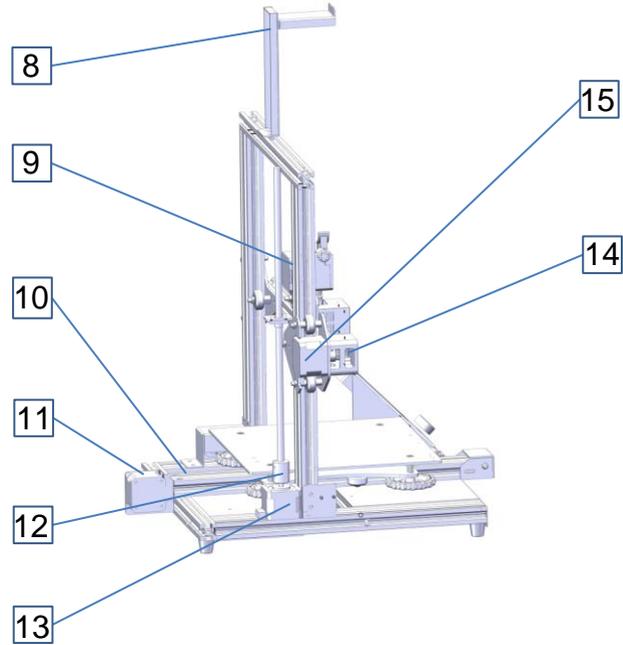
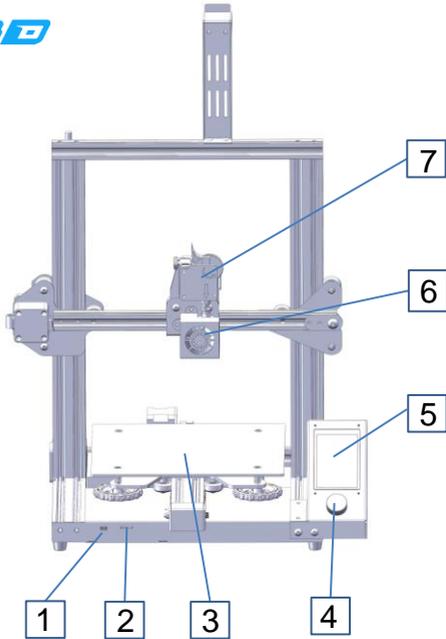
Visit our official website at www.sztop3d.com. You will find relevant software/hardware information, contact details and operation and maintenance instructions on the website.

Introduction.....	1
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Device Installion.....	3
Cable Connection.....	4
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Loading Filament.....	6
Platform Adjustment.....	7
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01 Introduction



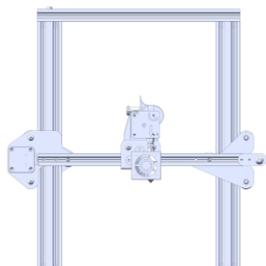
- 1 USB Port
- 2 TF Card Slot
- 3 Hotbed Platform
- 4 Control Knob
- 5 LCD Display Screen

- 6 Nozzle Kit
- 7 Titan extrusion kit
- 8 Filament Rack
- 9 Extruder (E) Stepper
- 10 Y Axis Limit Switch

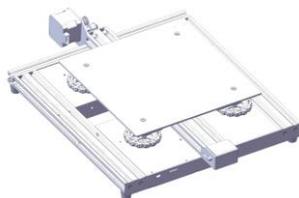
- 11 Y Axis Stepper
- 12 Coupling
- 13 Z Axis Stepper
- 14 X Axis Limit Switch
- 15 X Axis Stepper



02 General List



Base Frame



Gantry Frame



Display kit



Tool Kit



Sample Filament(20M)

◆ Tool List

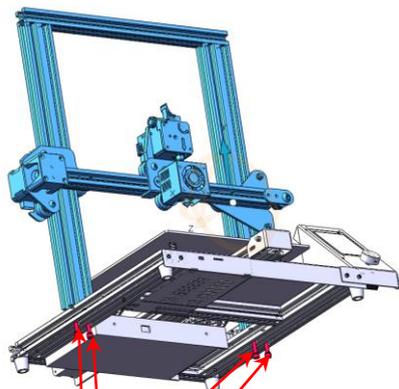
No.	Image	Name	Qty
1		Scraper	1
2		Diagonal Pliers	1
3		TF Card & Card Reader	2
4		Wrench & Screw Driver	8

No.	Image	Name	Qty
5		Nozzle Cleaner	1
6		Rack Support	1
7		Rack Bracket	1
8		Rack Support Nuts	2

No.	Image	Name	Qty
9		Spare Parts	2
10		Power Cable	1
11		M5X25 Black Hex-Bolt & Lock Washer	4
12			



03 Installation



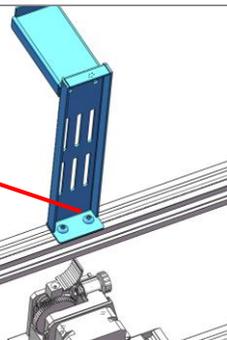
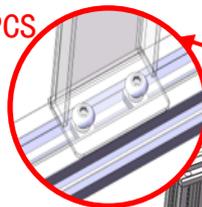
M5X25 Black Hex-
Bolt & Lock Washer
4PCS

Install the Gantry Frame

Install the Rack



M4X8 & T-nut
2PCS

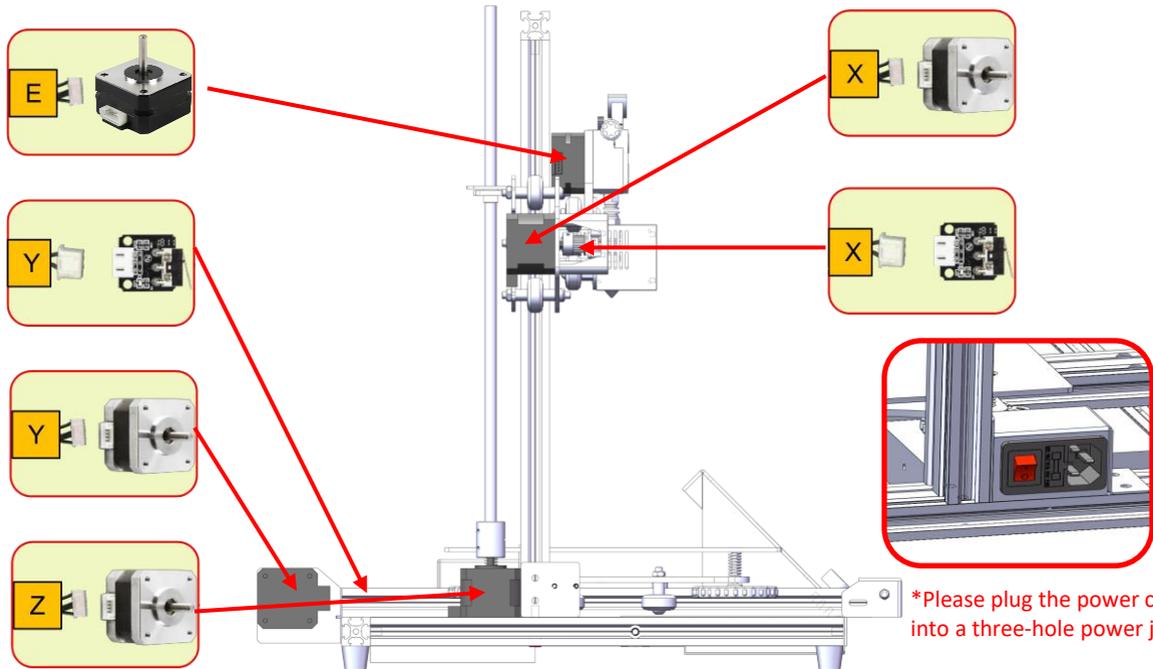


M5X8
2PCS

Install the display

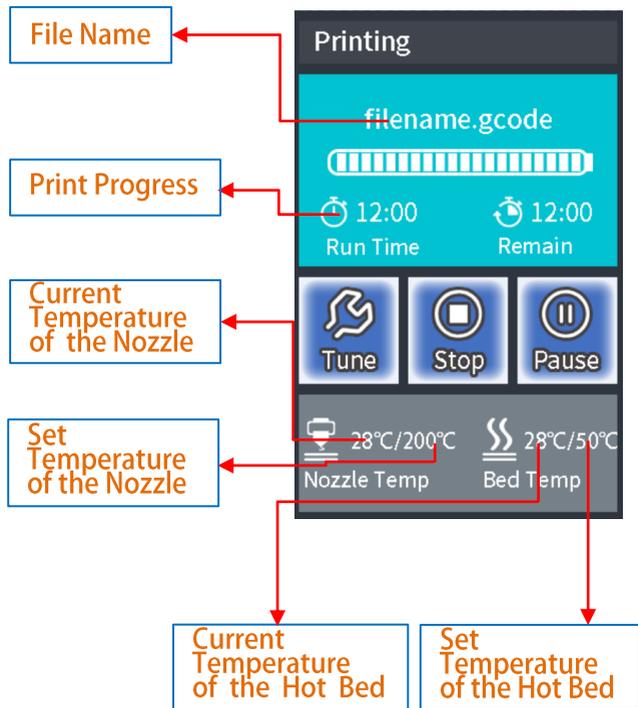


04 Cable Connection





05 Screen Information



Screen Options		
Menu	Sub Menu	Explanation
Info screen	Main	Return
Prepare	Move Axis	Moving X Y Z axis or Extruder by given value
	Disable Steppers	Moving X Y Z axis by your hands
	Auto Home	Return to the origin
	Auto Preheat	Preheat PLA Nozzle : 185°C Bed : 45°C Preheat ABS Nozzle : 240°C Bed : 70°C
	Cool Down	Close and cool down the nozzle
	About Printer	
Control	Nozzle Temp	Heat the nozzle and the bed or change fan speed by given value
	Bed Temp	
	Fan Speed	
Printing		
Tune	Speed Rate	Adjust percentage of printing speed
	Nozzle Temp	Adjusting extrusion head temperature
	Bed Temp	Adjusting hot bed temperature
	Fan Speed	Adjust fan speed
Pause Printing		
Stop printing		

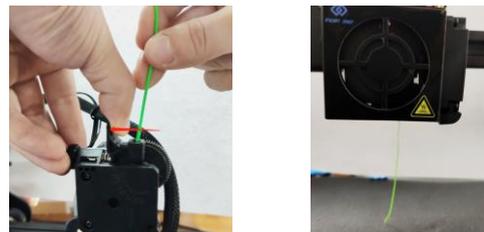


06 Loading Filament

Preheat

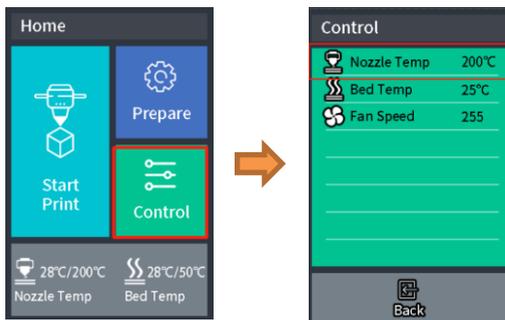
Feeding

Method 1



Press and hold the extruder lever then insert the 1.75mm filament through the small hole of the extruder. Continue feeding until you see filament come out the nozzle.

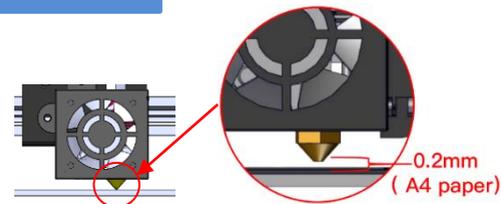
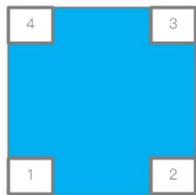
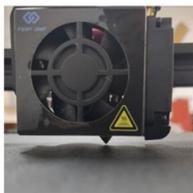
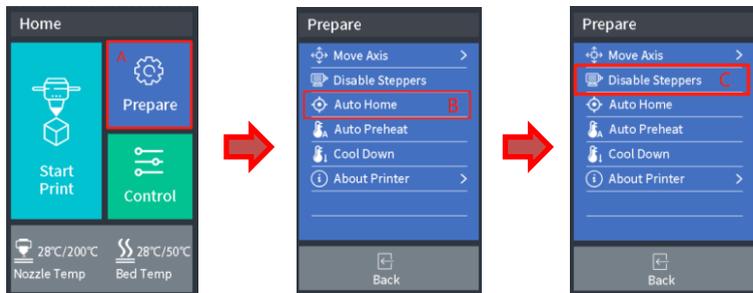
Method 2



Tip: How to Replace the Filament?
1、Cutting filament near the Extruder and slowly feed new filament until they are fed into the new filament.
2、Preheating the nozzle and withdraw the filament quickly and feed the new filament.



07 Platform Adjustment

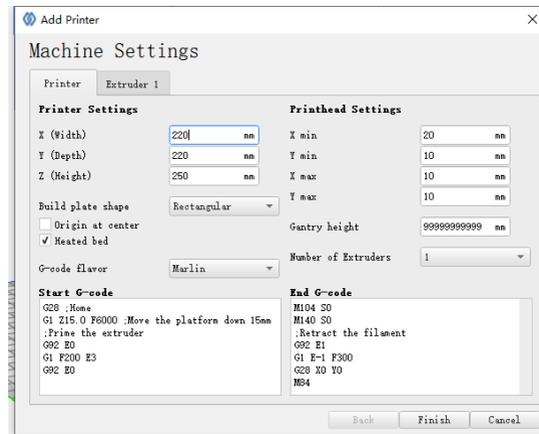
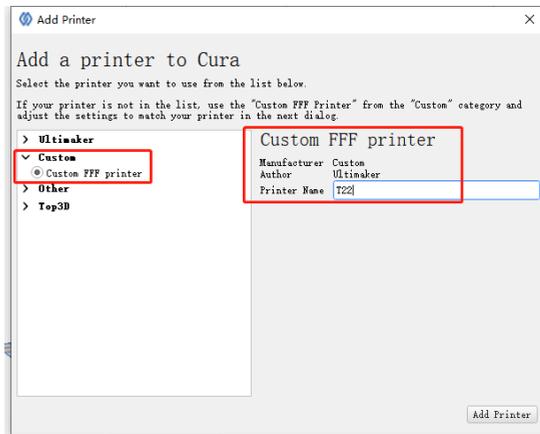


		 The nozzle is far from the platform so that the filament can't adhere to the platform.
		 The filament are evenly extruded and just attached to the platform.
		 The nozzle is too close to the platform, the filament is insufficiently extruded, and even the platform is scratched.

1. Select Prepare → Auto Home → Disable Stepper. Wait for the nozzle to move to position 1.
2. Adjust the horizontal nut at the bottom of the platform so that the distance between the nozzle and the platform is 0.02mm. Use a piece of A4 paper (standard printer paper) to help complete the adjustment, making sure that the nozzle is lightly pressed against the paper.
3. Then move to positions 2, 3, and 4, respectively, and repeat step 2 until all four corners are leveled.
4. If necessary, repeat 1-2 times to get a better printing effect.



08 Software Installation



1. Install the Top3D Slicing Software.

2. Open Top3D Slicing software and add a printer to CURA

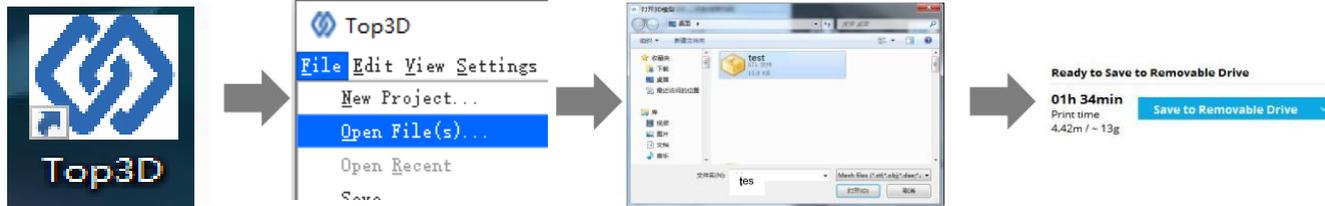
3. Set printer related parameters



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09 For the first Printing

1. Slice



Open Cura → Open File → Select Model → Slice Model → Save to Removable Drive

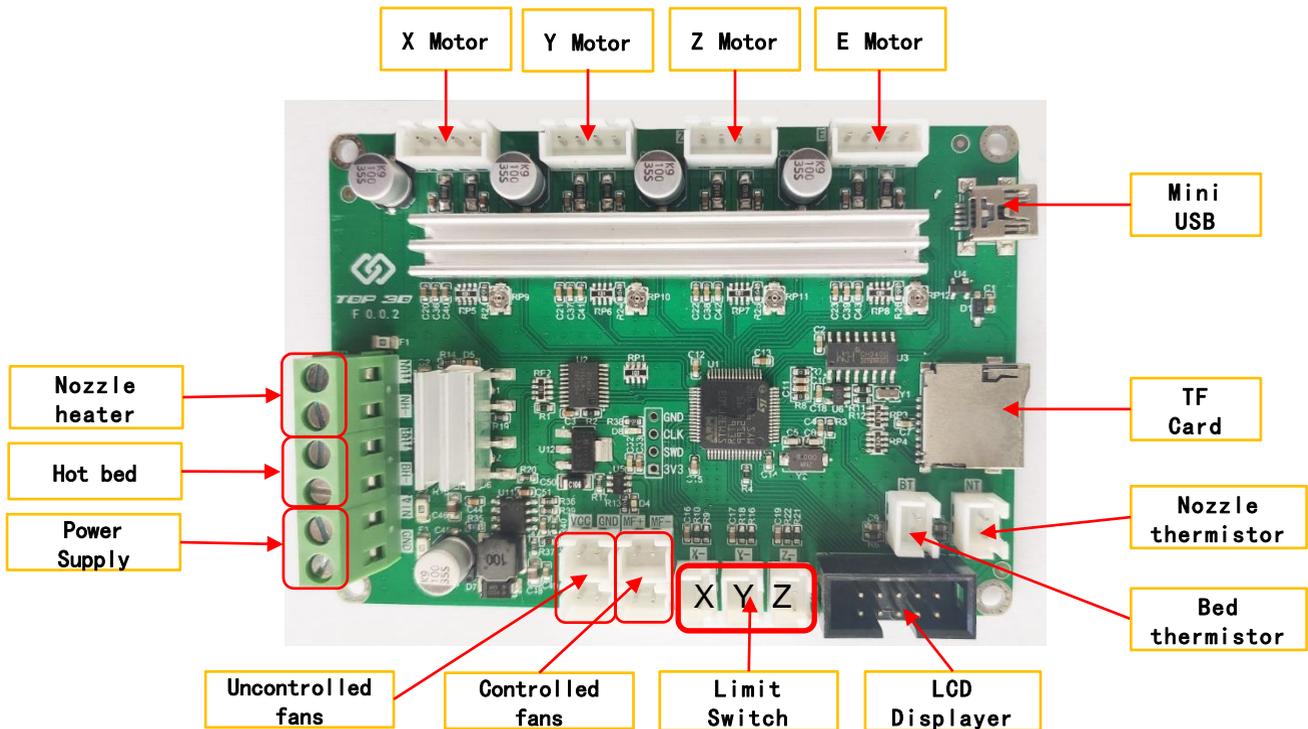
2.Printing



Insert the TF card → Select Start Print → Select the file



10 Circuit Wiring





Service

1, The printer can be returned within seven days, 15 days replacement, one year warranty, lifetime maintenance.

Replacement requirement

1. The appearance of the product is intact, without damage, scratches, smudges, cracks, deformation, etc.;
2. Machine parts, tools and others are complete;
3. Provide a complete and valid purchase invoice and warranty, product number should be the same.

Warranty coverage

1. The following accessories are not included in the warranty coverage if they are not damaged by transportation: platform sticker; platform forming plate; acrylic cover; card reader and SD card; platform glass; USB cable; filament; rack and tools, etc.
- 2, Profile: Before we deliver the goods, we will do the machine test, so maybe there will be light scratch, or due to long-distance transportation, which scratch the profile a little bit. In the premise of not affecting the normal use, in principle, not within the scope of warranty;
- 3, Nozzle assembly (nozzle, heating block, throat pipe, heat sink, Teflon tube, etc.) warranty period is 3 months, if it is damage after the warranty expires, you need to purchase another one;
- 4, Motherboard, LCD display, power supply, hot bed, warranty period is 12 months, if there are quality problems, you can get free maintenance; over the warranty period, can be sent back to the original factory maintenance, the users need to bear the return shipping and maintenance costs;
5. Not included in warranty coverage:
 - (1) It is not possible to provide an effective after-sales service card or serial number;
 - (2) The whole machine and components exceed the warranty period;
 - (3) Equipment failure or damage caused by unauthorized modification of the equipment (private modification includes: 1. modification of the nozzle assembly; 2. modification of the machine structure; 3. use of third-party components; 4. use of third-party firmware procedures or change the original Factory firmware program, etc.);
 - (4) Equipment failure or damage due to incorrect installation and use;
 - (5) Equipment failure or damage caused by the use of the equipment in a working environment not specified by the product;
 - (6) Equipment failure or damage due to improper use (beyond workload, etc.) or maintenance (moisture, etc.);
 - (7) Equipment failure or damage due to the use of other branded components or low quality consumables.

Description of warranty freight

- 1, Can be returned within 7 days, In case of quality problem of the machine, the freight is borne by the manufacturer; if it is a non-quality problem return, the user must bear the freight, and need to deduct the corresponding machine damage costs and consumables costs;
- 2.7 days to 30 days, the freight shall be borne by the manufacturer if the goods need to be replaced or returned to the factory for maintenance due to quality problems; if the goods need to be replaced due to non-quality problems, the customer shall bear the freight. In principle, it is not allowed to exchange goods over 7 days without quality problems;
- 3, Within 1 - 3 months need to return to the factory for maintenance, if in case of the quality problem, the freight is borne by the user and the manufacturer, and does not charge any maintenance costs;
- 4, Within 3 - 12 months need to return to the factory for maintenance, the freight is borne by the user, if it is non-human damage, the spare parts and labor costs for maintenance shall not be charged.

Exceeding the warranty period, the user will bear the freight and maintenance costs, and the manufacturer provides technical support.

Special note: If you are a foreign user, we will take some special methods according to the actual situation to provide users with better after-sales service.

The final interpretation right belongs to Shenzhen TOP 3D Technology Co., LTD.!



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