闪铸科技 FLASHFORGE

Creator Pro 2 / 金刚狼2

Quick Start Guide

快速启动指南

中文P14

⚠ **WARNING**	1. Hot! Avoid touching the heating nozzle and heating build plate in operation.
	2. Moving parts in printer may cause injury. Do not wear gloves or other sources of entanglement in operation.

DOWNLOAD	Please refer to FlashForge official website www.flashforge.com to download the newest User's Guide, Software and Instruction Videos. (Support-Support Center-Select a Product)

⚠ **注意事项**	1. 高温危险！打印机喷嘴和打印平台在工作时会被加热，请避免接触！
	2. 可动部件可能造成卷入挤压和切割伤害。操作机器时请不要佩戴手套或缠绕物。

资料下载	前往闪铸科技官方网站 www.sz3dp.com ，可以在[技术支持] 页面下载用户使用手册、切片软件等资料，或查看相关操作视频。

This guide is only applicable to Creator Pro 2 3D printer

本手册仅适用于金刚狼2 3D打印机

Unboxing

The Creator Pro 2 was carefully packaged at FlashForge manufacturing facility. Please follow the unpacking steps laid out below.
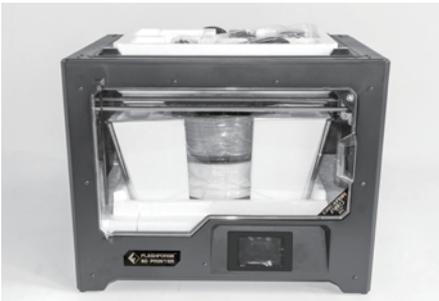
| **⚠ CAUTION**	1. Remove the package and take out accessories carefully. Do not use force.
	2. Do not tear the yellow high temperature resistant adhesive tape around the nozzle, it has thermal insulation and high temperature resistance characteristics.

1. Open box and remove top foam piece.

2. Firmly grasp the two side handles of FlashForge Creator Pro 2. Lift it out of the carton and place it on a stable surface.

3. Remove the packing bag and then remove the tape and plastic wrap for protecting the front door.

4. The accessories shall be displayed. Let us remove the inner package and take the accessories out.
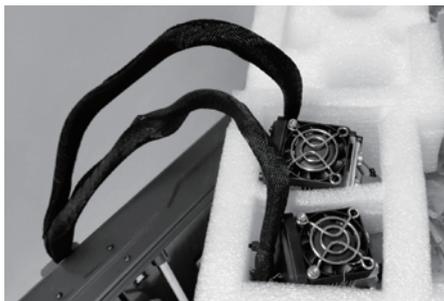
5. Take the extruder out and place the extruder carefully. Avoid the nozzle to touch the desk, which prevent the nozzle damage from scratch.
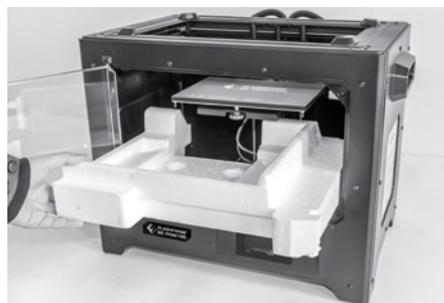

6. Take out the foam with accessories. Shear two ties on the both sides of X-axis guide rod.

7. Open the door, remove top cover of the printer and take filament out of the lid.

8. Hold both sides of the printing platform, and slowly lift the platform from the bottom to facilitate the removal of the foam box below.
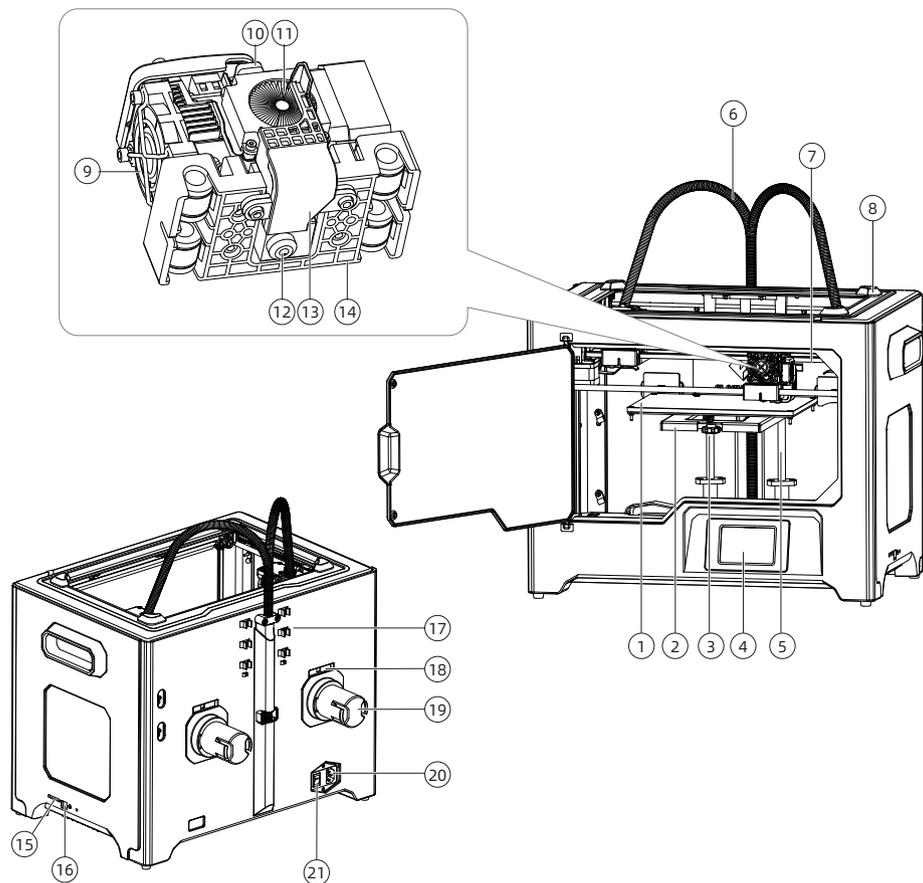

9. Take out the foam on the bottom of the platform, and then slowly press the platform down by hands to the lower position for easy subsequent installation.

10. Unpacking is complete. It is recommended that you keep the packaging materials for later handling or storage.

About Your Creator Pro 2

1. Platform
4. LCD panel
7. X-axis guide rod
10. Spring presser
13. Turbofan baffle
16. USB cable input
19. Spool holder

2. Platform support
5. Z-axis guide rod
8. Slot
11. Cooling fan
14. Extruder bracket
17. Filament guidetube buckle
20. Power input

3. Leveling nut
6. Extruder cable bunch
9. Nozzle cooling fan
12. Nozzle
15. SD card slot
18. Spool holder slot
21. Power switch

Accessories
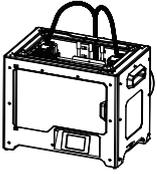
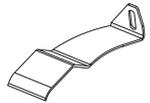|				
Creator Pro 2	Filament	Top cover	After-sales Service Card	Quick Start Guide
Power Cable	USB Cable	SD Card	Spool Holder	Build Tape
Screw Driver	Stamping Wrench	Allen Wrench	Unclogging Pin Tool	Scraper
PTFE Tube	Filament Guide Tube	Grease	Glue Stick	Anti- oozing plate
Leveling Card	Leveling Nut			
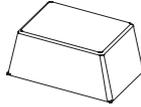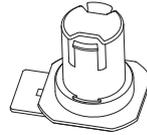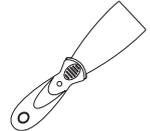
# Installation

1.Extruder Assembly

1. Lower the platform first and place the dual extruder on the extruder seat.

2. Take the M2.5 Allen Wrench from the tool bag and four M3 bolts from the accessory kit.

3. Adjust the extruder location to align the bolt holes.

4. Secure the extruder onto the extruder seat by screwing the M3 bolts in.
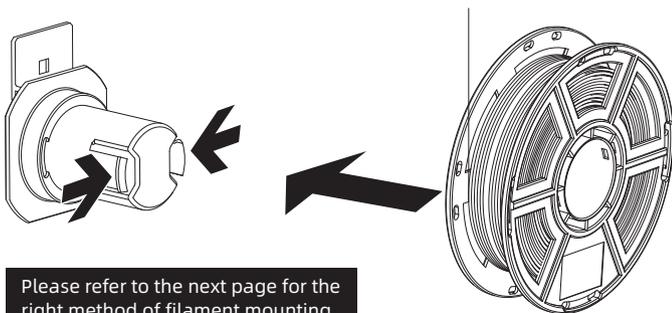
Bolt Hole   Bolt Hole
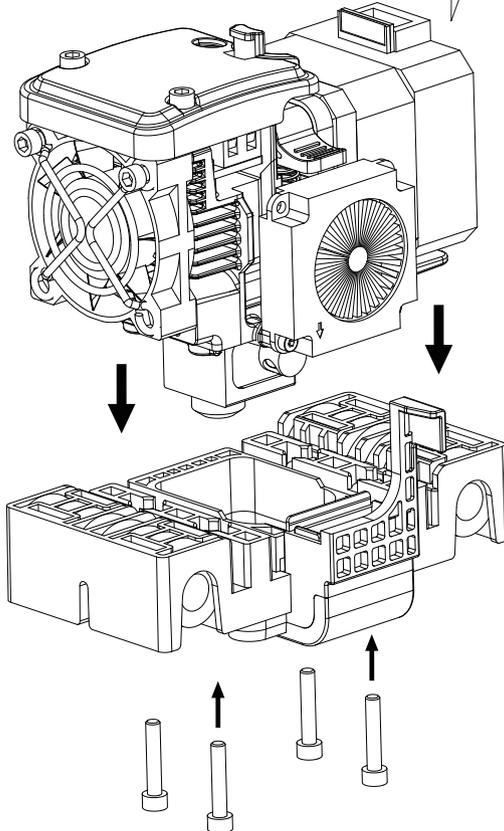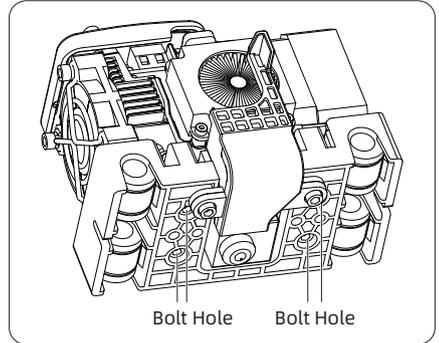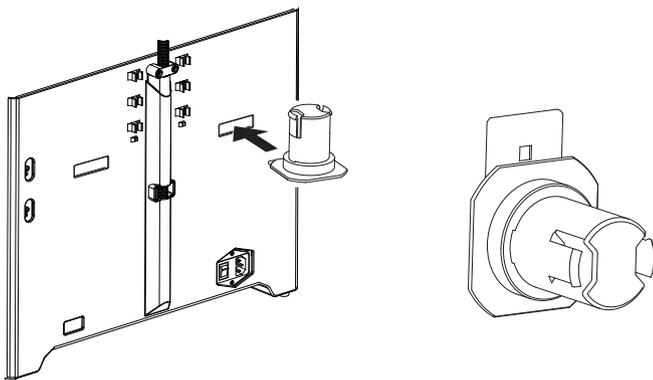
1.To install a spool holder, level it and insert the end into the corresponding opening.
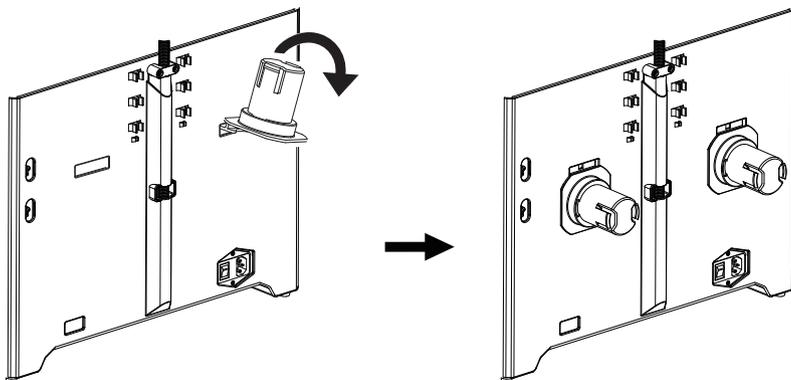
2.Turn down the spool holder to make the holder bottom cleave to the printer back.

Please refer to the next page for the right method of filament mounting.

3.Take a roll of filament, then squeeze the spool holder top and mount the filament spool to the holder.

1. The filament spool must be oriented correctly (see below).

2. After filament guide tube fixation completed, press the left spring presser of extruder, put filament vertically into the left filament intake from the other end of filament guide tube.
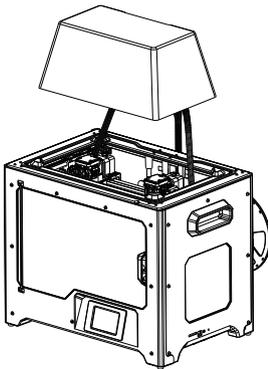
Filament Guide
Tube Buckle

limited seat
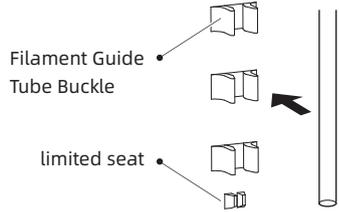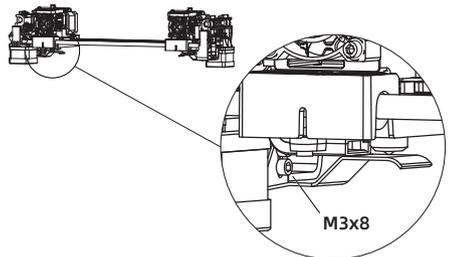
Lock the filament guide tube with R-shape buckles.
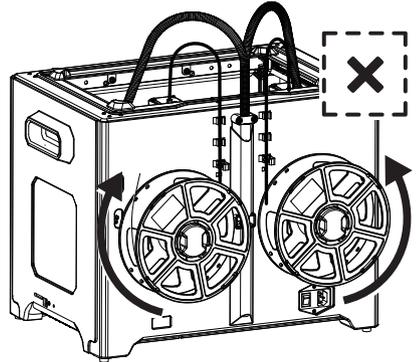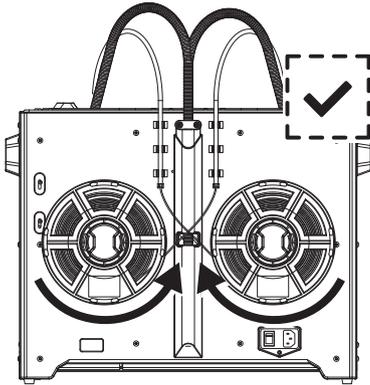
Note: Please pay attention to extend the guide tube to the inside of the spool to prevent the filament from being entangled and being wrapped outside the spool.

3.Install Top Cover

Install top cover for printing ABS; remove the top cover for printing PLA.

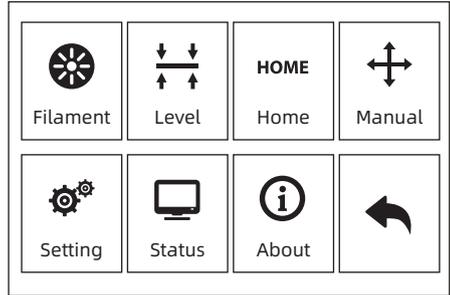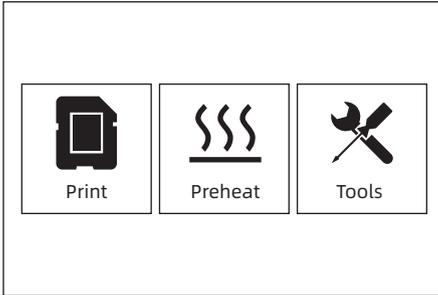## 4.Install Anti-oozing Plate
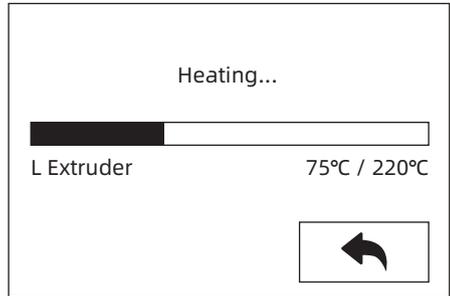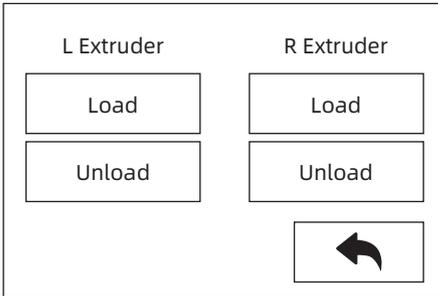

M3x8

Fixed the anti-oozing plate by two screws.

Please make sure that the nozzle touches the anti-oozing plate properly when installed. It is OK to adjust the distance between the nozzle and plate manually. It is normal to see scratches on the surface of the plate after printing for several times.

Loading and Unloading

Print	**Preheat**	**Tools**

Filament	Level	**HOME** Home	Manual
Setting	Status	About	

1. Tap [Tools]-[Filament]

L Extruder	R Extruder
Load	Load
Unload	Unload

Heating...

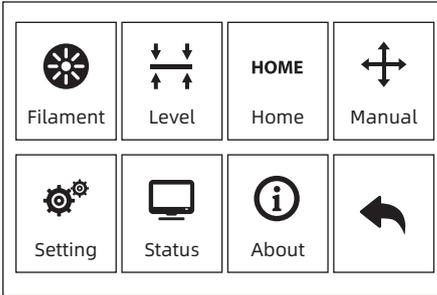L Extruder   75℃ / 220℃

2. Tap [load], the extruder will start to heat up. After heating to the target temperature, please manually insert the filament into the filament feeding wheel. When the filament is ejected from the nozzle, it indicates that loading is completed.
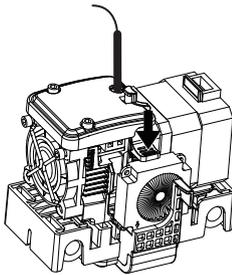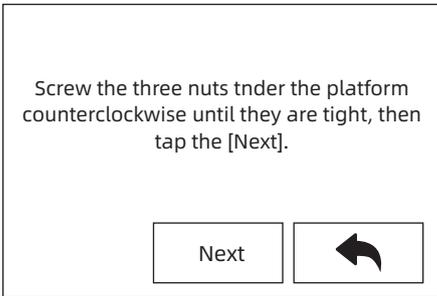
3. Tap [unload], the extruder starts to heat up. After heating to the target temperature, manually feed out a part of filament from the nozzle, then press down the spring presser, quickly pull out the filament, and complete unloading.

Leveling

Clearing the remaining materials on the nozzle first to avoid leveling fails.

�֎ Filament	↓↓↑↑ Level	**HOME** Home	✛ Manual
⚙ Setting	🖵 Status	ⓘ About	↰

Please wait, device is homing.

Next   ↰

1. Tap [Tools]-[Leveling] to start leveling. The machine will finish homing first.

Screw the three nuts tnder the platform counterclockwise until they are tight, then tap the [Next].

Next   ↰

2. After stop movement of extruder and platform, tighten the three nuts below the platform counterclockwise (To avoid scratch build plate by extruder and it is important action)

Please adjust the front thumb screw under Platform when stop.
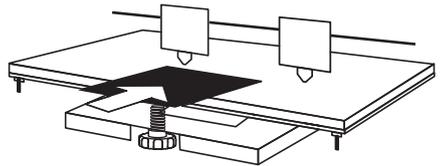
Next   ↰

3. Choose one extruder and move it to the first nut by hand. Place a paper under the extruder and tighten the nut to reduce the distance between extruder and platform. Gently move the paper and feel the fraction. If move the paper with gent fraction, it is a suitable distance between extruder and platform. Finished the first place, and repeat the same actions in the second and third nut.
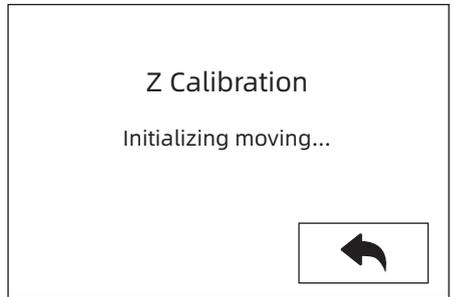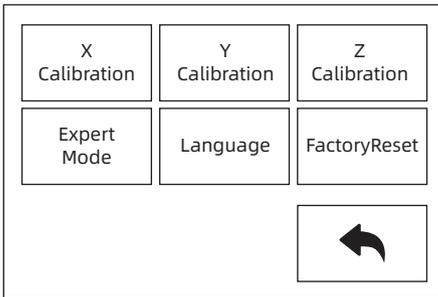
Note: the small distance between the extruder and platform causes removing printed objects hard, while big distance causes adhesion fails or wrapping.
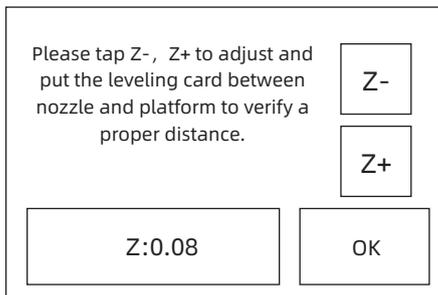
XYZ Axis Calibration

Z Axis Calibration

🔲 Print	〰️ Preheat	✖️ Tools

❊ Filament	↓↓↑↑ Level	**HOME** Home	✛ Manual
⚙️ Setting	🖥️ Status	ⓘ About	↰
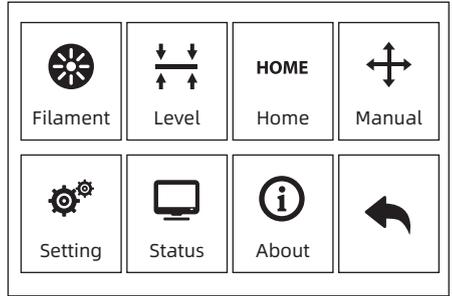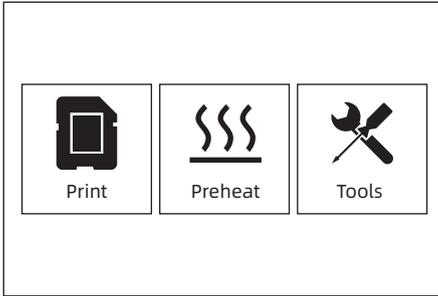
1. Tap [Tools]-[Setting]-[Z calibration]. Creator Pro 2 uses a compensation layer mechanism. Instead of manually adjusting the installation positions of the left and right nozzles, a program is used to calculate the height difference between the two nozzles.

X Calibration	Y Calibration	Z Calibration
Expert Mode	Language	FactoryReset

↰

Z Calibration

Initializing moving...

↰

2. The extruder and platform will return to the zero position first, select any extruder to calibrate. When the temperature of the nozzle and the platform is too high, it will wait for the nozzle to cool down to 50 ° C to prevent the nozzle from scalding the build tape.

Please tap Z- , Z+ to adjust and put the leveling card between nozzle and platform to verify a proper distance.

Z-

Z+

Z:0.08   OK

3. Follow the on-screen instructions and insert the leveling card between the nozzle and the platform, please click Z- or Z + to adjust the appropriate spacing. The adjustment range is sliding leveling paper. If you feel a little frictional resistance, it indicates that the distance between the nozzle and the platform is appropriate. When one extruder is adjusted, it will be switched to another extruder for calibration.
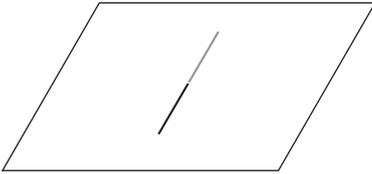
Note: Do not turn the nuts under the platform during Z-axis calibration.
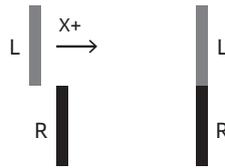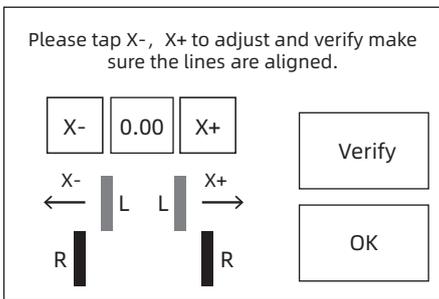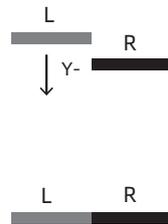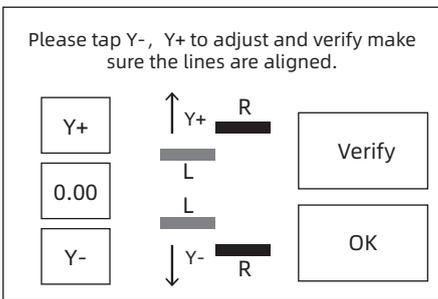
X Axis Calibration

X-axis calibration: Used to adjust the consistency of the two extruders in the X-axis direction to prevent misalignment during printing.

X Calibration	Y Calibration	Z Calibration
Expert Mode	Language	FactoryReset

X Calibration

L: 152/200
R: 164/200
B: 45/50
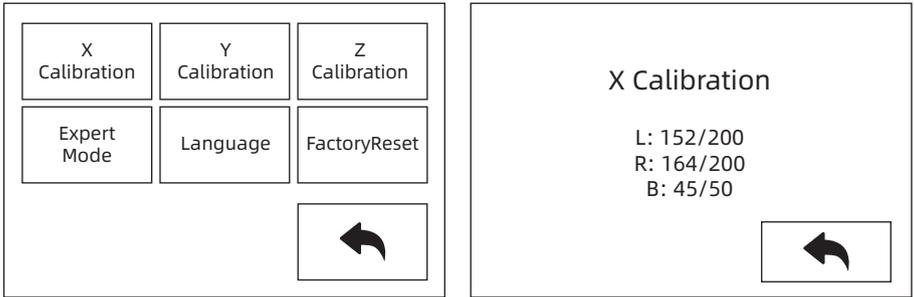
1. Tap [Setting]-[X Calibration], or continue the X-axis calibration after the Z-axis calibration is completed. After the machine initialization movement is completed, the nozzle and the platform will be heated. At this time, please ensure that the filament has been inserted into the extruder.

2. After heating, left and right extruders print a line one by one.

Please tap X-, X+ to adjust and verify make sure the lines are aligned.

X- 0.00 X+

Verify

OK

3. According to the actual printed lines, click X-, X + to adjust the bias of the extruders and remove the printed lines; tap the verify button, the left and right extruders will print the lines again to see if the lines coincide, if they coincide, it means that the X-axis calibration is completed, if they are inconsistent, continue to adjust, until it coincides.

Y Axis Calibration

Y-axis calibration: Used to adjust the consistency of the two extruders in the Y-axis direction to prevent misalignment during printing.

X Calibration	Y Calibration	Z Calibration
Expert Mode	Language	FactoryReset

Y Calibration

L: 152/200
R: 164/200
B: 45/50
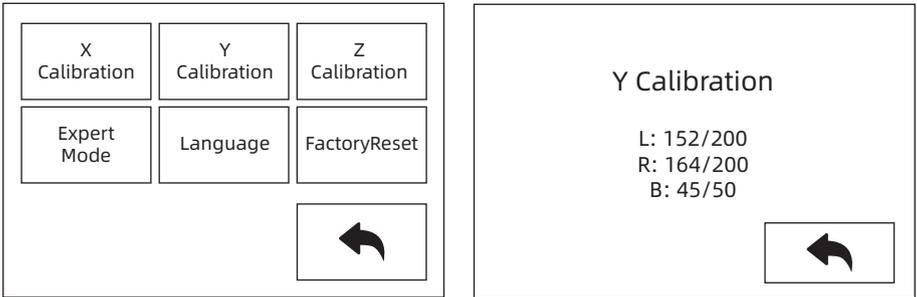
1. Tap [Setting]-[Y Calibration], or continue the Y-axis calibration after the X-axis calibration is completed. After the machine initialization movement is completed, the nozzle and the platform will be heated. At this time, please ensure that the filament has been inserted into the extruder.

2. After heating, left and right extruders print a line one by one.

Please tap Y-, Y+ to adjust and verify make sure the lines are aligned.

| Y+ |
| 0.00 |
| Y- |

Y+ R
L
L
Y- R

Verify

OK

L
R
Y-

L R
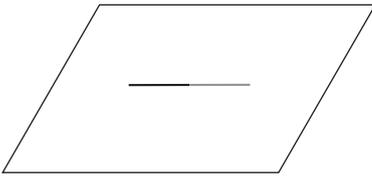
3. According to the actual printed lines, click Y-, Y + to adjust the bias of the extruders and remove the printed lines; tap the verify button, the left and right extruders will print the lines again to see if the lines coincide, if they coincide, it means that the Y-axis calibration is completed, if they are inconsistent, continue to adjust, until it coincides.

After installing, loading filament and calibrating, it start your first print.
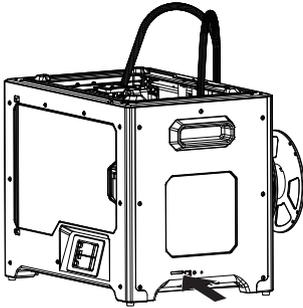
1. Insert the SD card to the side of machine.

Print	Preheat	Tools

25MB 1519MB	↩

Test
sys
flashforge
↩
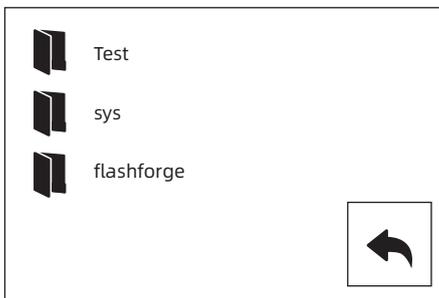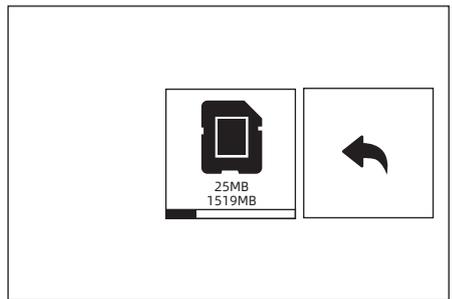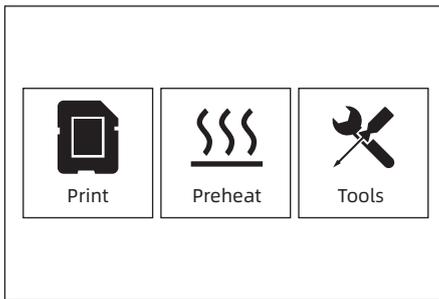
2. Tap [Print]-[SD card]; choose the test file to print.

闪铸对Creator Pro 2进行了仔细的包装，请您按照以下的开箱步骤拆除包装箱。

⚠ 注意事项

1.请小心拆除包装，拿出配件，切勿使用蛮力。

2.请勿撕毁围绕在喷嘴周围的黄色耐高温胶带，它具有保温及耐高温特性。

1. 打开纸箱取出顶部泡沫。

2. 抓住机身两侧的把手，将打印机从纸箱中提出。

3. 撕除胶带，去除塑料袋。随后撕去固定前门的胶带。

4. 移除塑料袋后，您可以看到打印机内部的包装以及配件，我们从上至下逐一来解除包装，拿出配件。

5. 首先将喷头从泡沫中取出，放置在台面上。喷头的线束较短，在摆放时请注意喷嘴不能接触台面，避免划伤喷嘴影响打印精度。

6. 取出装有配件的泡沫盒。剪断左右两边固定X轴的扎带。

7. 从打印机中取出顶罩及耗材包装，取出耗材。

8. 托住打印平台两侧，缓缓将平台从底部抬起，便于取出下方的泡沫盒。
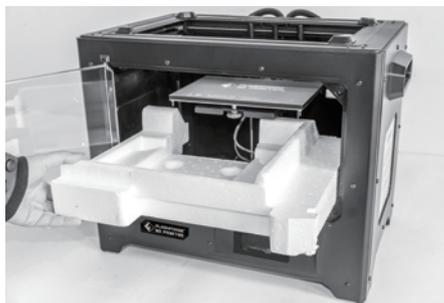
9. 取出平台底部的泡沫，然后缓慢将打印平台向下压回较低的位置，便于后续安装。

10. 开箱完成。建议您保留包装材料，以便于以后的搬运或保存
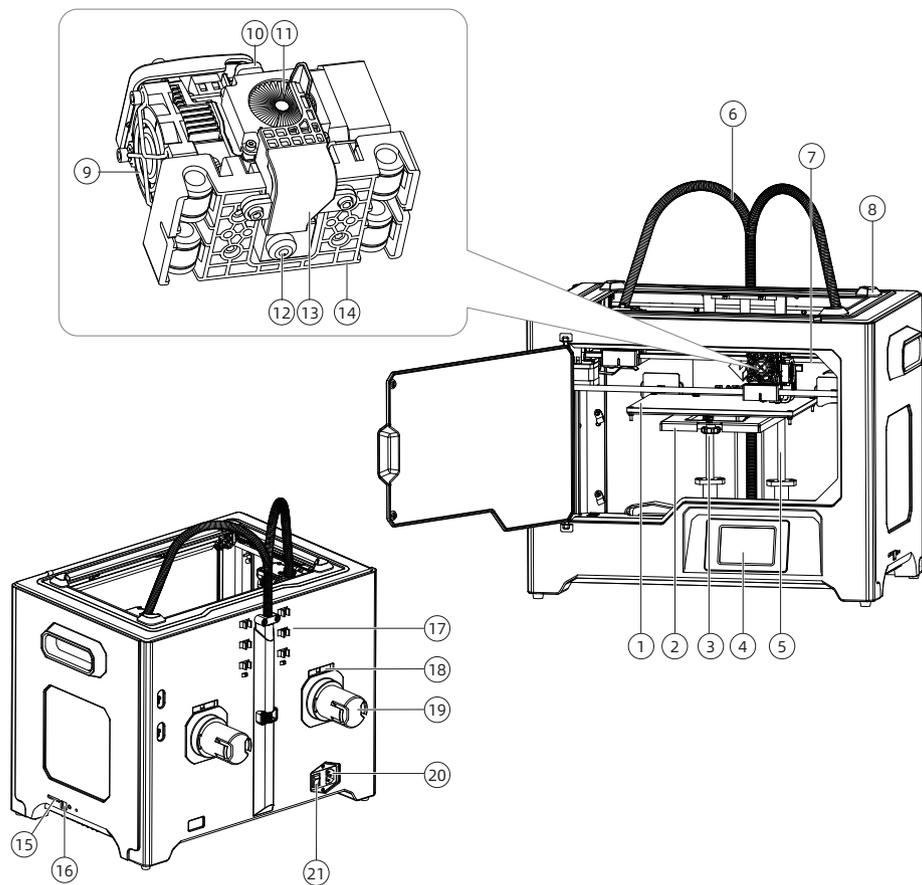
1.打印平台
4.液晶屏
7.X轴导轨
10.进丝压板
13.导风嘴
16.USB线接口
19.耗材丝盘轴

2.平台支架
5.Z轴导轨
8.顶罩卡槽(四个角)
11.冷却风扇
14.喷头支架
17.导丝管卡扣
20.电源线接口

3.调平螺母
6.喷头线束
9.喷头散热风扇
12.喷头喷嘴
15.SD卡插槽
18.丝盘轴插口
21.电源开关

装箱清单
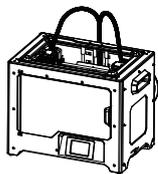
3D打印机

3D打印耗材

顶 罩

售后服务卡

快速启动指南

电源线

USB线
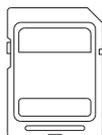
SD卡
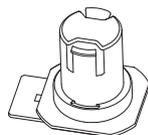
丝盘轴

平台贴纸

十字螺丝刀

冲压扳手

内六角扳手

通 针
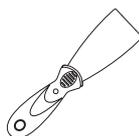
铲 刀

聚四氟乙烯管

耗材导丝管
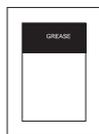
润滑脂

固体胶
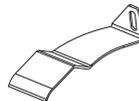
防溢丝板

调平卡

调平螺母

硬件安装

1.安装喷头

1. 首先将平台下降到最低位置，然后如下图所示，将喷头放置于喷头支架（中塑料）上。

2. 从配件包中取出内六角扳手（M2.5）；从喷头安装包中取出4颗M3螺丝。

3. 适当调整喷头位置，使喷头与喷头支架的螺丝孔对齐。

4. 用内六角扳手从喷头支架下方旋入螺丝以固定喷头。

螺丝孔位　　螺丝孔位
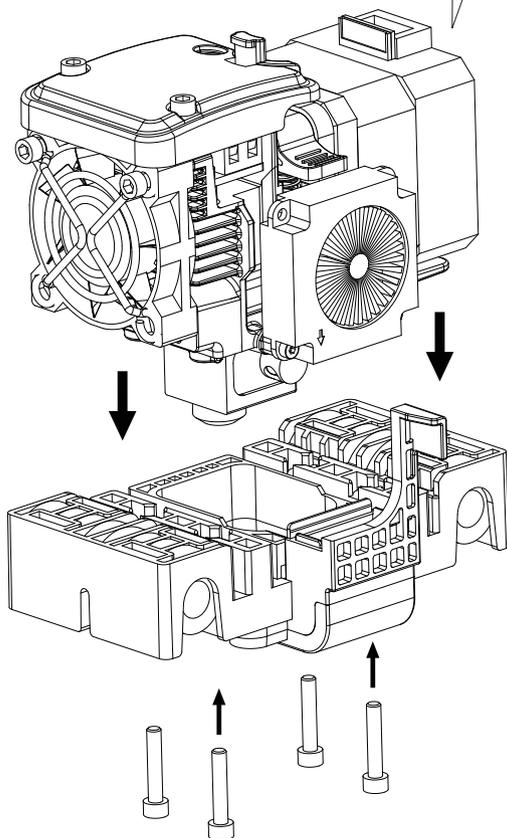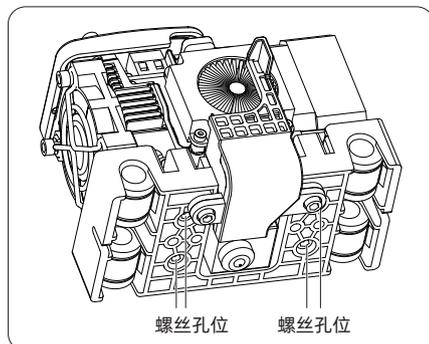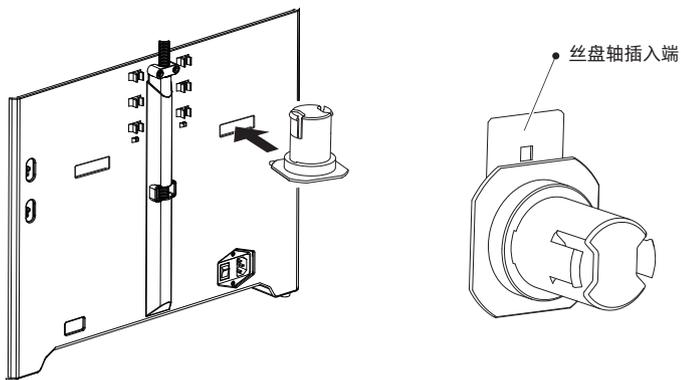
丝盘轴插入端

1.将丝盘轴插入端插入打印机背部的丝盘轴插口中。
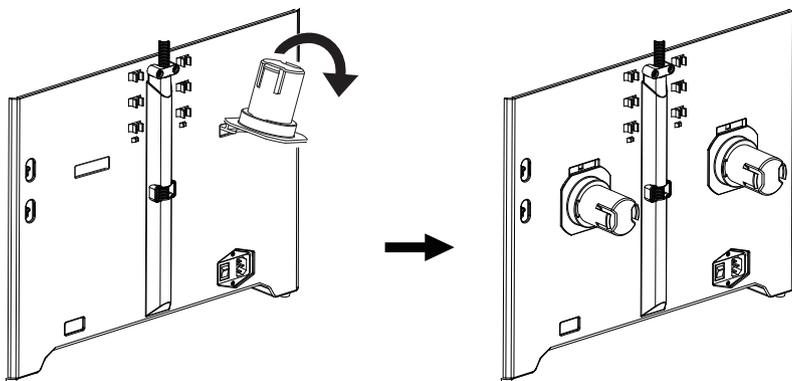
2.将丝盘轴向下翻转，最终使得丝盘轴贴住打印机背板。

耗材安装方向有要求，详情见下一页
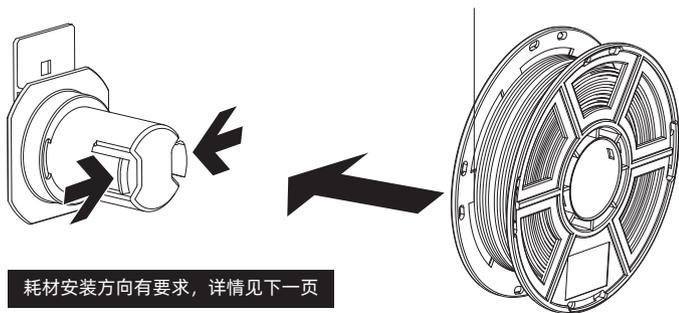
3.取出耗材，轻按丝盘轴顶端两侧，然后将耗材装入丝盘轴。

耗材安装提示

1. 安装耗材时请注意耗材丝盘轴的安装方向。如下图所示，请保证耗材从内测出丝。

2. 耗材及导丝管安装完毕后，将耗材穿过导丝管导入左喷头进丝孔中。当您准备将耗材插入喷头前，请按下喷头一侧的进丝压板。

导丝管固定卡扣

导丝管限位卡座

将导丝管卡入机身背部的导丝管固定卡扣中。

安装正确：内侧出丝
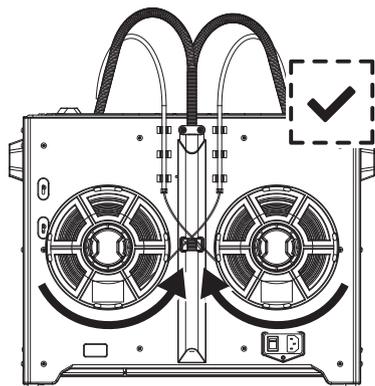
安装错误：外侧出丝
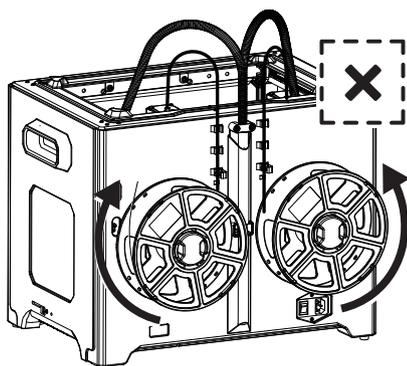
注意：请注意将导丝管延伸到丝盘轴内部，以防止丝料脱开被缠绕在丝盘外部。

3.安装顶盖
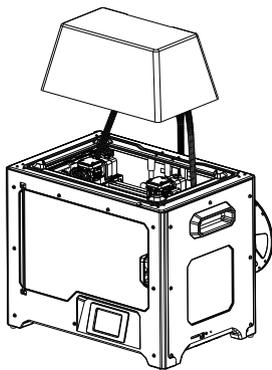
当打印 **ABS** 材料时建议安装此顶盖；
当打印 **PLA** 材料时无需安装此顶盖。

4.防溢丝板安装

M3x8
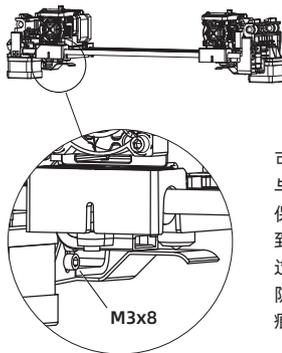
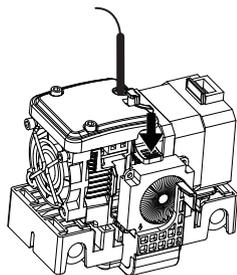可手动调节防溢丝板与喷嘴的距离，请确保安装后喷嘴可触碰到防溢丝板表面。经过一段时间的打印，防溢丝板表面出现划痕为正常现象。

安装防溢丝板，使用2颗螺丝固定。

进丝与退丝

打印	预热	工具

丝料	调平	HOME 回零	手动
设置	状态	关于	←

1. 点击【工具】-【丝料】

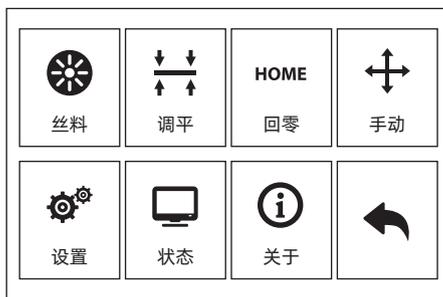| 左喷头	右喷头
进丝	进丝
退丝	退丝

正在加热...

左喷头　　　　　　　　　　75℃ / 220℃
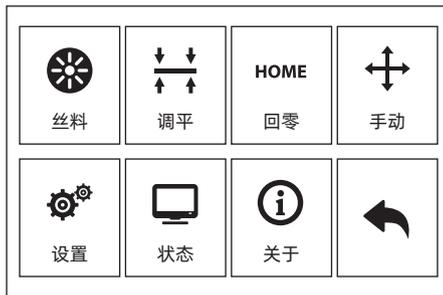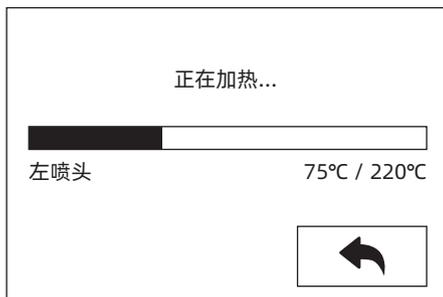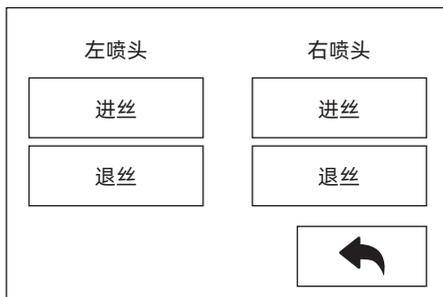
2. 点击【进丝】，喷头开始加温，待加热到目标温度，请手动插入丝料到进丝轮中。当丝料从喷嘴吐出，说明进丝完成。

3. 点击【退丝】，喷头开始加温，待加热到目标温度，手动向内送丝挤出一部分丝料后，按压下送丝压板，快速拔出丝料，退丝完成。

调平

调平前请清理干净喷嘴尖部的残余丝料，以免影响调平。
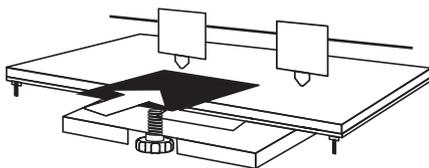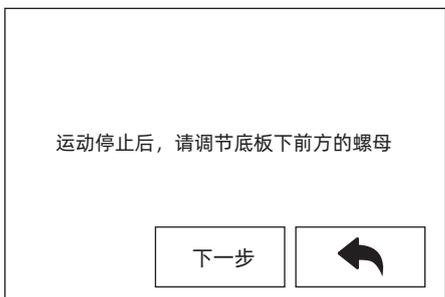
✺ 丝料	调平	HOME 回零	✛ 手动
⚙ 设置	状态	ⓘ 关于	↩

请稍等，喷头与平台正在完成初始化运动

下一步　↩

1. 点击【工具】-【调平】开始调平，设备会先回零。

请逆时针拧紧底板下三个螺母，再点击确认按钮

下一步　↩
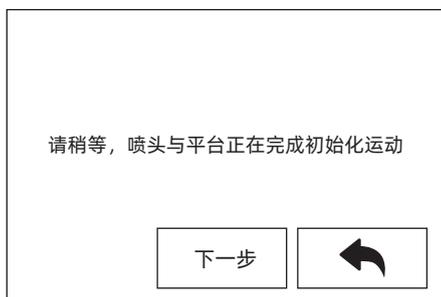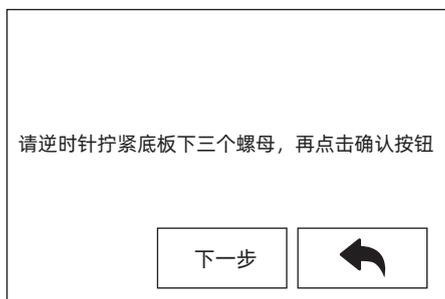
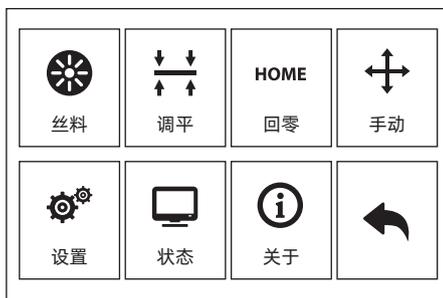2. 在喷头和打印平台停止运动后，逆时针拧紧平台下方的三个螺母（此步骤是因为传感器在上部，防止喷头一开始划伤平台）。

运动停止后，请调节底板下前方的螺母

下一步　↩

3. 选择任意喷头，喷头开始移动到第一个调整点。利用调平纸检测喷头与平台距离，并同时调节旋钮。 滑动调平纸稍微感受到摩擦力，说明喷嘴与平台间距合适。验证完成后，喷头会运动到第二个以及第三个调平点进行同样操作的调整。
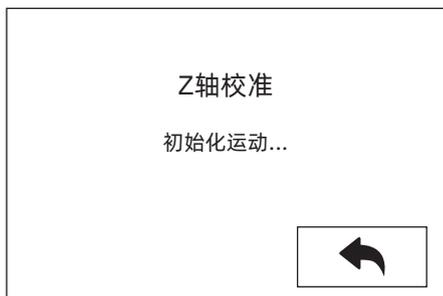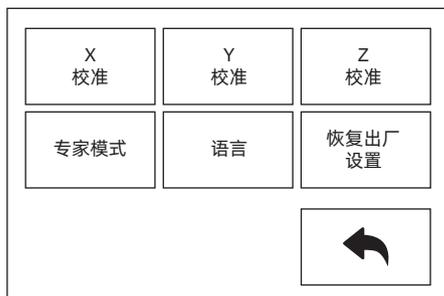
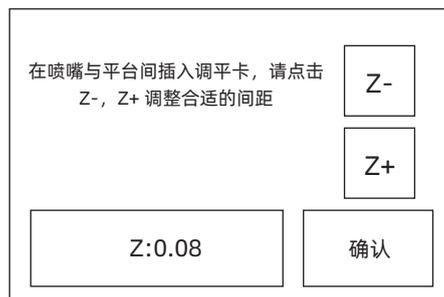**注意：平台与喷嘴间距过小，模型不易移除，间距过大，不易粘附，容易起翘。**

XYZ轴校准

Z轴校准

1. 点击【工具】-【设置】-【Z轴校准】。Creator Pro 2 采用补偿层机制，不手动调整左右喷头的安装位置，而使用程序计算两个喷头的高度差。

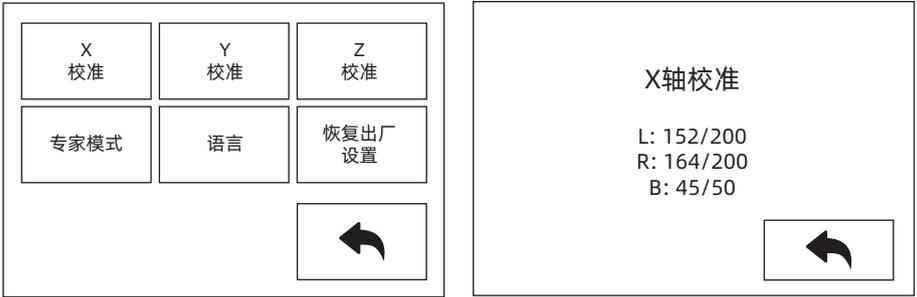2. Z轴校准，喷头与平台将先回到零位，选择任意喷头进行校准。当喷头与平台温度过高时，将会等待喷头降温至50℃，以防止喷头烫伤贴纸。

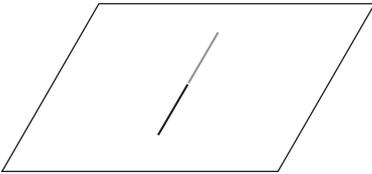3. 按照屏幕提示：在喷嘴与平台间插入调平卡，请点击 Z-, Z+调整合适的间距。调整幅度为滑动调平纸，感受到稍有摩擦阻力，说明喷头与平台间距合适；当一个喷头调整完成后将会切换到另一个喷头进行校准，操作步骤与原先的相同。
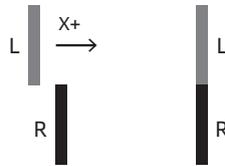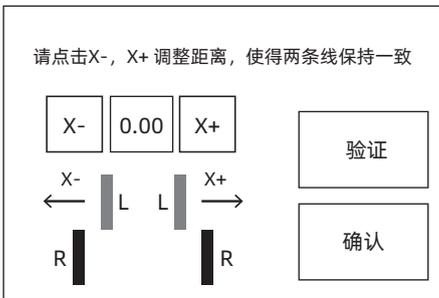
注意：Z轴校准过程中请勿旋转平台下方旋钮。

X轴校准

X轴校准：用于调整两个喷头X轴方向的一致性，以防止打印时左右喷头错位。

X 校准	Y 校准	Z 校准
专家模式	语言	恢复出厂 设置

X轴校准

L: 152/200
R: 164/200
B: 45/50

1. 点击【设置】-【X轴校准】，或者Z轴校准结束继续进行X轴校准。
   设备初始化运动完成后，将会对喷头与平台进行加温，此时请确保已将丝料插入喷头；

2. 加热完成后，左右喷头将会各自打印一条线。

请点击X-，X+ 调整距离，使得两条线保持一致

X-	0.00	X+

验证

确认
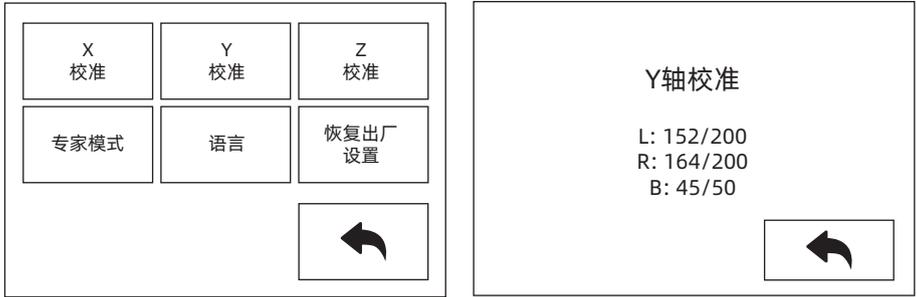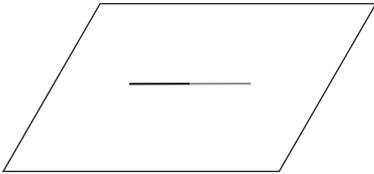
3. 根据实际打印的线条，点击X-，X+ 调整喷头的偏向性；清除打印线条，点击验证按钮，左右喷头将会再次打印线条，查看线条是否重合，若重合则说明X轴校准完成，若不一致，则继续调整，直至重合为止。

Y轴校准

Y轴校准：用于调整两个喷头Y轴方向的一致性，以防止打印时左右喷头打印时Y轴方向错位。

X 校准	Y 校准	Z 校准
专家模式	语言	恢复出厂 设置

Y轴校准

L: 152/200
R: 164/200
B: 45/50

1. 点击【设置】-【Y轴校准】，或者X轴校准结束继续进行Y轴校准。
   设备初始化运动完成后，将会对喷头与平台进行加温，此时请确保已将丝料插入喷头；

2. 加热完成后，左右喷头将会各自打印一条线。

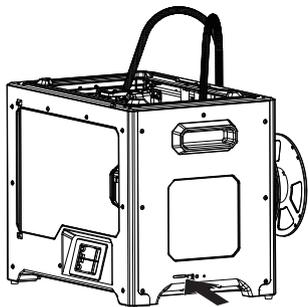请点击Y-，Y+ 调整距离，使得两条线保持一致

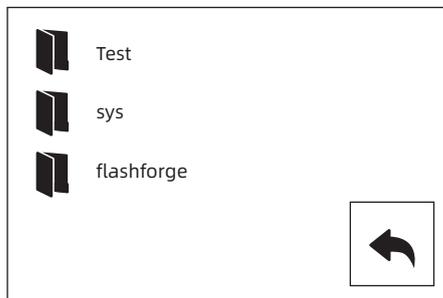| Y+		验证
0.00		
Y-		确认
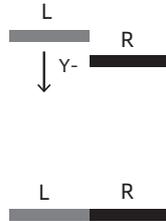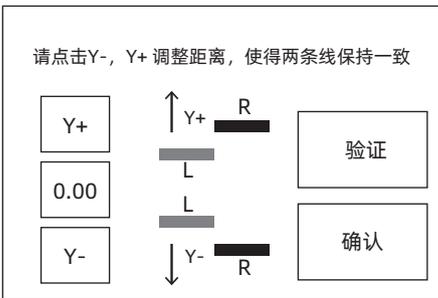
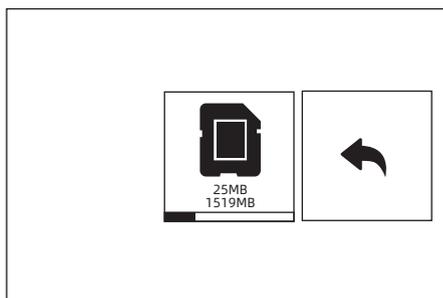3. 根据实际打印的线条，点击Y-，Y+ 调整喷头的偏向性；清除打印线条，点击验证按钮，左右喷头将会再次打印线条，查看线条是否重合，若重合则说明Y轴校准完成，若不一致，则继续调整，直至重合为止。

初次打印

操作完以上安装，进丝以及校准设备后，可开始打印。

1. 请将SD卡插入设备侧面；

打印	预热	工具

25MB
1519MB

Test

sys

flashforge

2. 点击【打印】-【SD卡】；选择对应测试文件进行打印；

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Zhejiang Flashforge 3D Technology Co,. Ltd.

售后专线：support@flashforge.com   After-Sales Service: support@flashforge.com

电话：400 886 6023   官方网站：www.sz3dp.com   地址：浙江省金华市仙源路518号
Tel: +86 579 82273989   Web: www.flashforge.com   Add: 2/F, No.518, Xianyuan Road, Jinhua, Zhejiang, China