FLASHFORGE

EN/CN - A01

AD5X

Quick Start Guide

快速启动指南

WARNING 注意事项

1. Please refer to this Guide for initial printer setup.
2. Hot! Avoid touching the heating nozzle in operation.
3. Moving parts in the printer may cause injuries. Do not wear gloves or other sources of entanglement in operation.

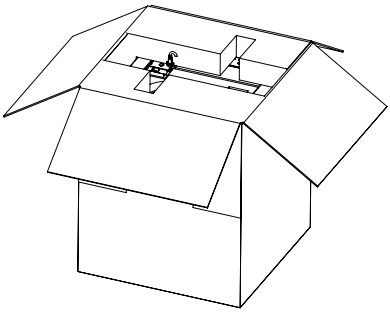
1. 请参照本指南完成打印机的初始准备。
2. 高温危险！打印机喷嘴在工作时会被加热，操作时请避免接触！
3. 可动部件可能会造成卷入挤压和切割伤害。操作机器时请不要佩戴手套或缠绕物。

Safety Notice 安全提示

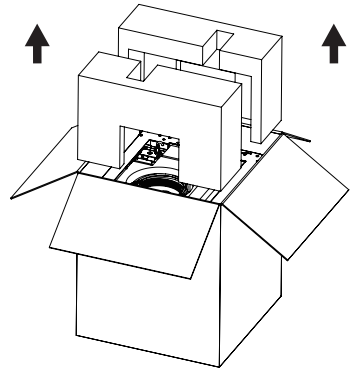
Do not power on the printer until installation is completed.
请勿在打印机安装完成之前通电。

Unboxing Instructions

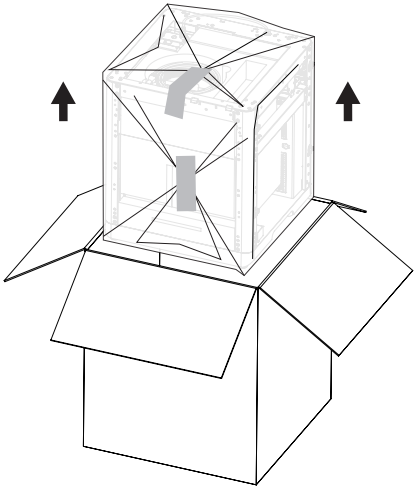
1. Open the box.



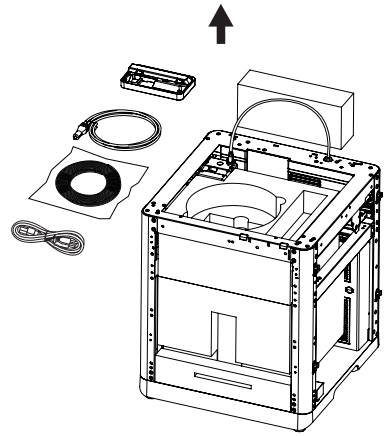
2. Remove the top foam, Quick Start Guide, and After-sales Service Card.



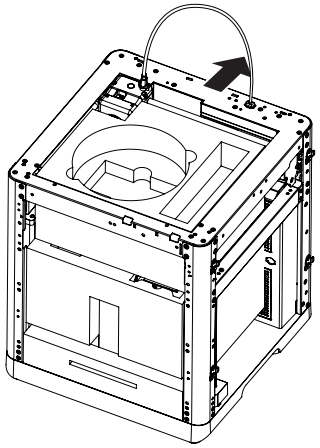
3. Take out the machine, place it on a level workspace, and remove the packaging bags and tapes.

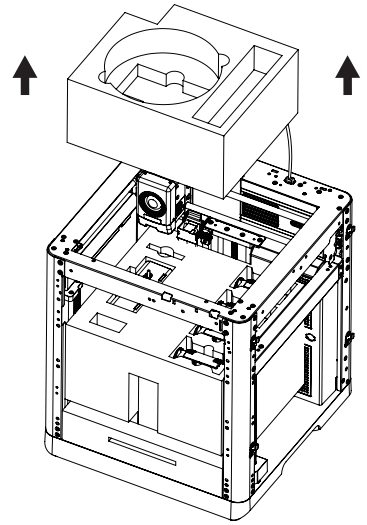


4. Remove the filament, power cord, screen, and 4-in-1 guide tube from the chamber protective foam. Remove the foam around the extruder.

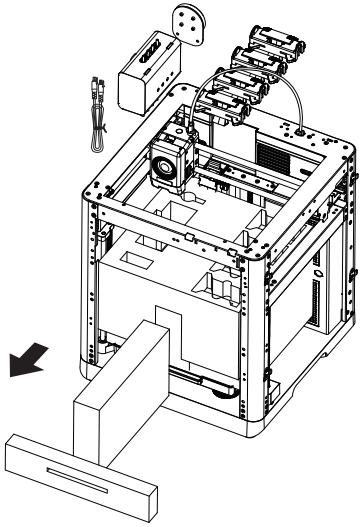


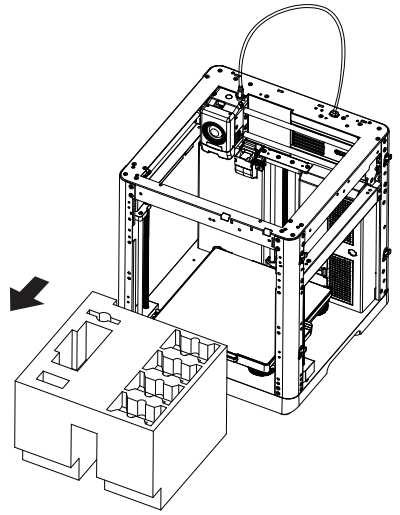
5. Move the extruder following the arrow direction. Then, push the top foam forward, and pull it upward to remove it.



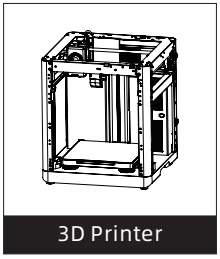


6. Following the arrow direction, pull out the foam to remove the spool holder, 4-color module (IFS), tool box, mounting plate and IFS connection cable to complete the unboxing.

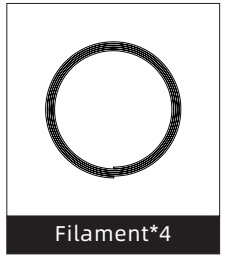




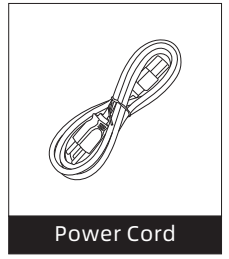
Packing List



3D Printer

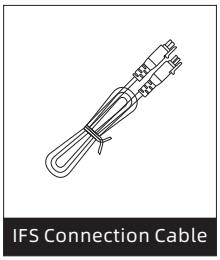


Filament*4

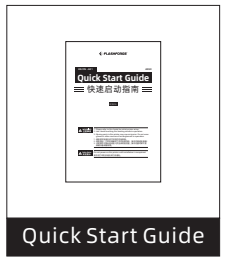


Power Cord

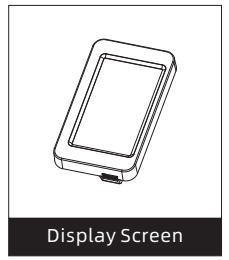
After-sales Service Card



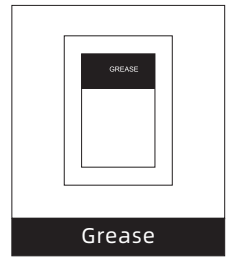
IFS Connection Cable



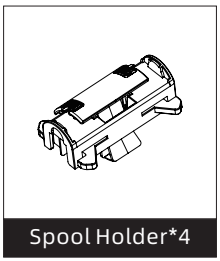
Quick Start Guide



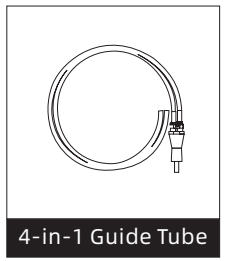
Display Screen



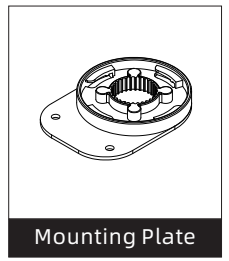
Grease



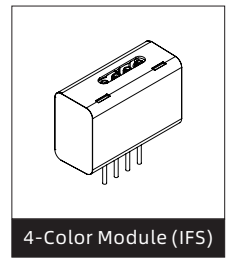
Spool Holder*4



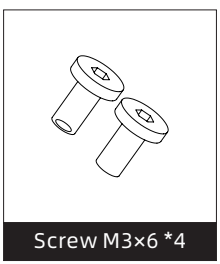
4-in-1 Guide Tube



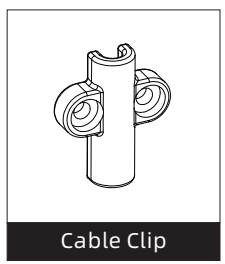
Mounting Plate



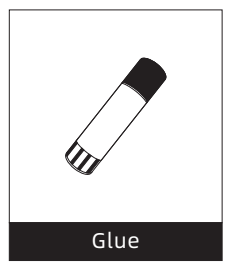
4-Color Module (IFS)



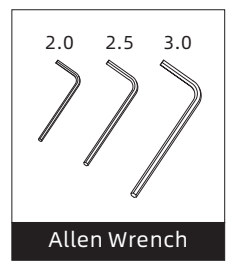
Screw M3×6 *4



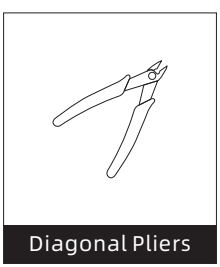
Cable Clip



Glue



Allen Wrench

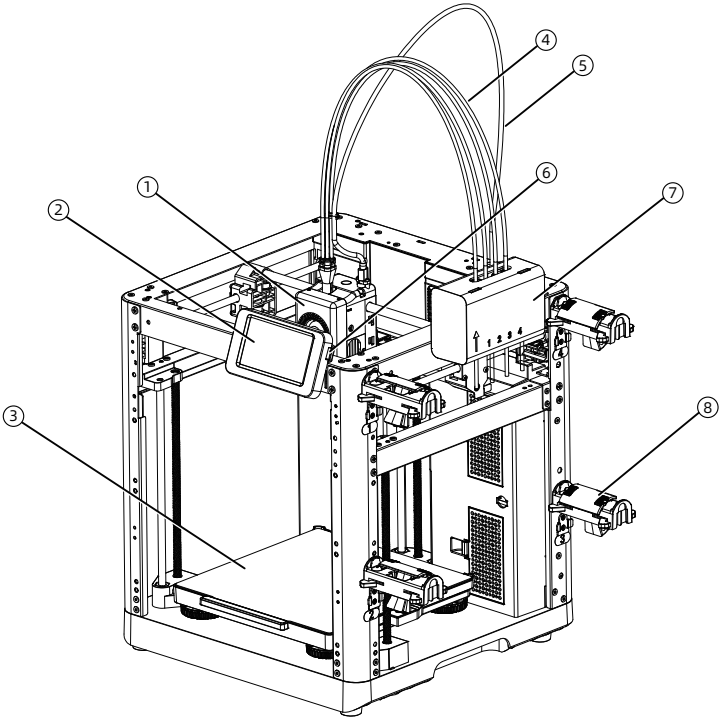


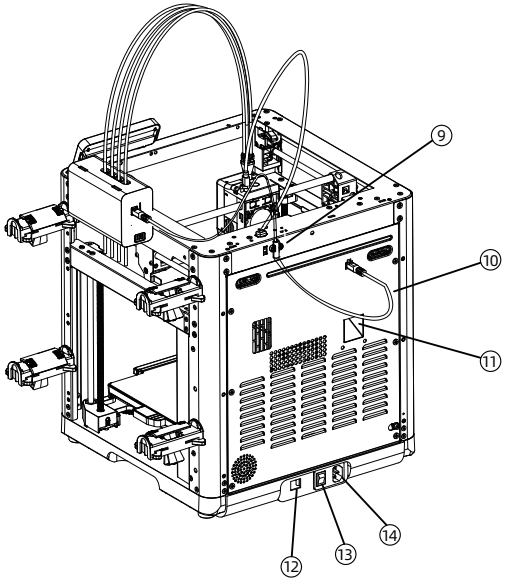
Diagonal Pliers

Unclogging Pin Tool

Phillips Screwdriver

Printer Components

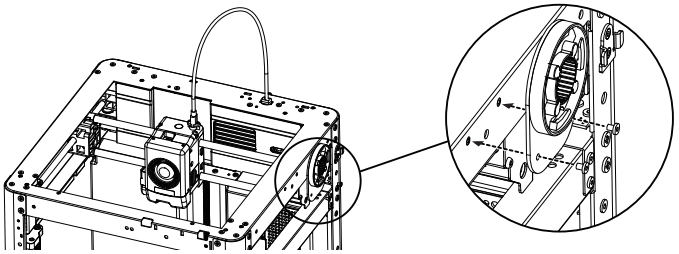




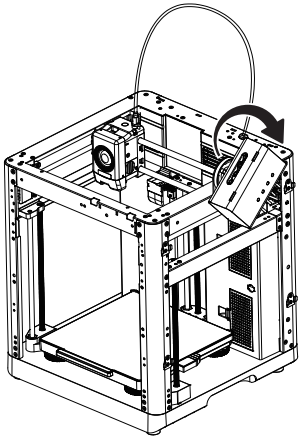
1. Extruder
2. Display Screen
3. Build Plate
4. 4-in-1 Guide Tube
5. Extruder Cable
6. USB Port
7. IFS Module
8. Spool Holder
9. Cable Clip
10. IFS Connection Cable
11. Waste Outlet
12. Ethernet Port
13. Power Switch
14. Power Port

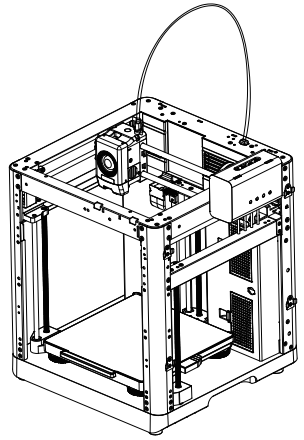
4-Color IFS Module

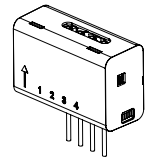
1. Secure the mounting plate to the side of the device using two M3×6 screws.



2. Rotate and secure the IFS module to the device using the clip, ensuring the guide tubes facing downwards.

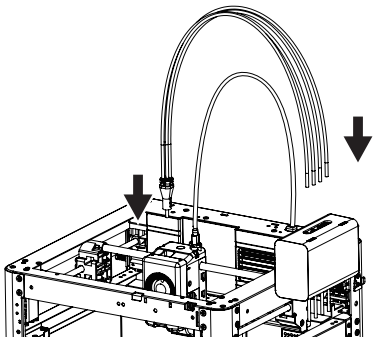




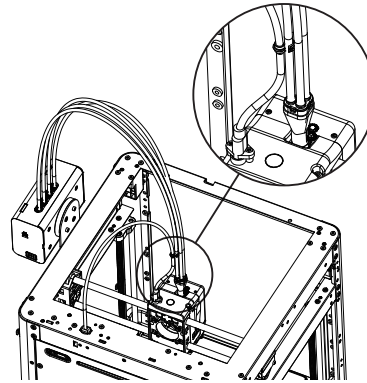


IFS installation direction as shown here

3. Insert the guide tubes into each channel of the IFS module. There's no need to follow a specific order for the channels. Connect the other end to the extruder.



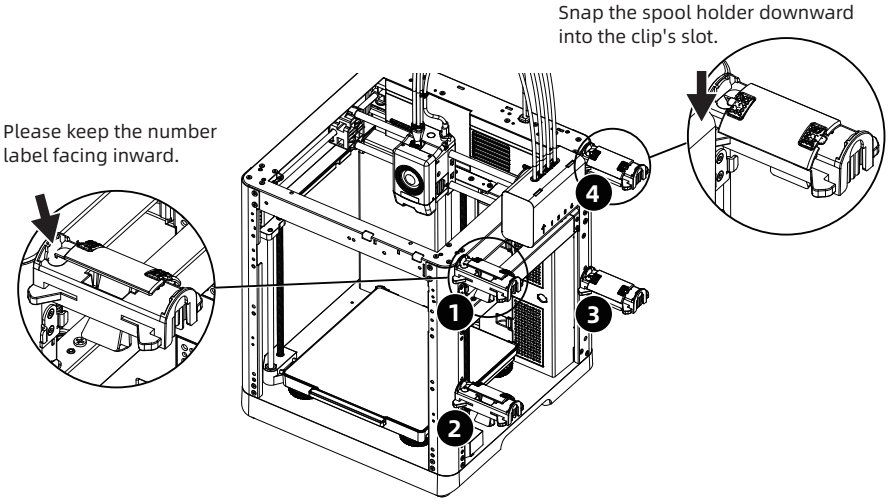
4. Connect the extruder cable and the guide tube together through the buckle.



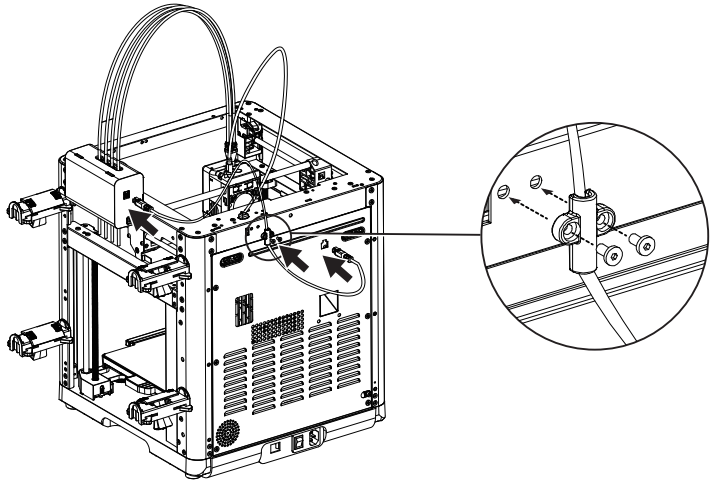
5. Snap the spool holders onto the side mounting clips and press down to secure.

⚠ Note

Since the four spools of filament are mounted on both sides and may need to retract during operation, with varying retraction directions, please make sure the installed spool holder number, the installation position number, and the configured IFS channel number are consistent.



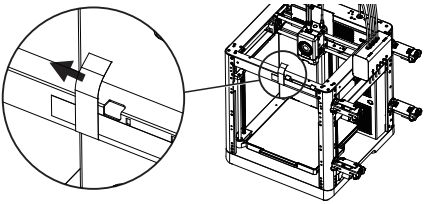
6. Connect the IFS cable to the four-color module and the corresponding port on the back of the device. Secure the cable clip with two M3×6 screws.



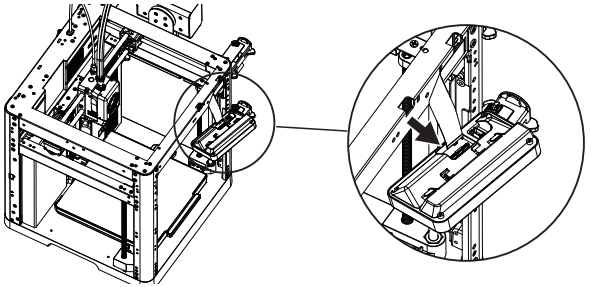
Install the Screen

⚠ Note

Before installation, please remove the tape of the screen cable. Tear it off gently to avoid damaging the cable.



1. As shown in the picture, insert the screen cable into the screen connector.



a. Lift the buckle on the screen's cable socket to the indicated position (Figure 1). Then insert the screen cable into the socket connector. Note: Ensure proper insertion and check alignment of the indicator line with the socket.

b. Press down the buckle on the cable socket to the indicated position according to the arrow direction (Figure 2).

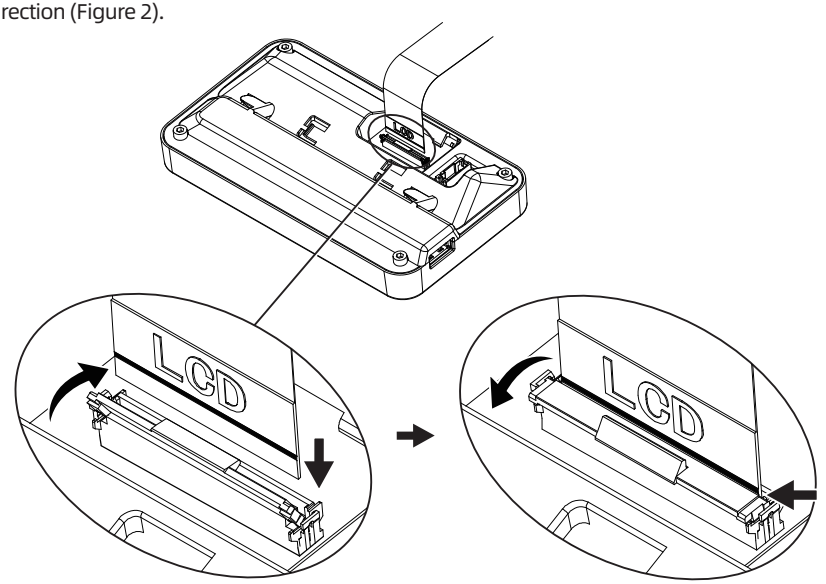
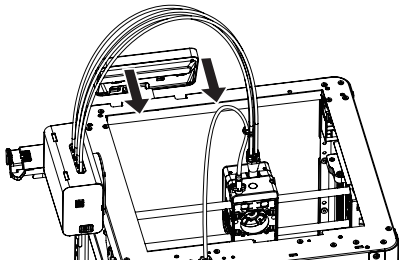
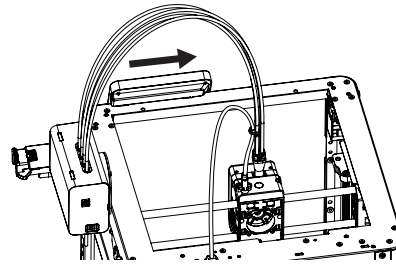


Figure 1 Figure 2

2. Insert the buckle on the back of the screen into the printer's slot, and push the screen according to the arrow direction to lock it in place.

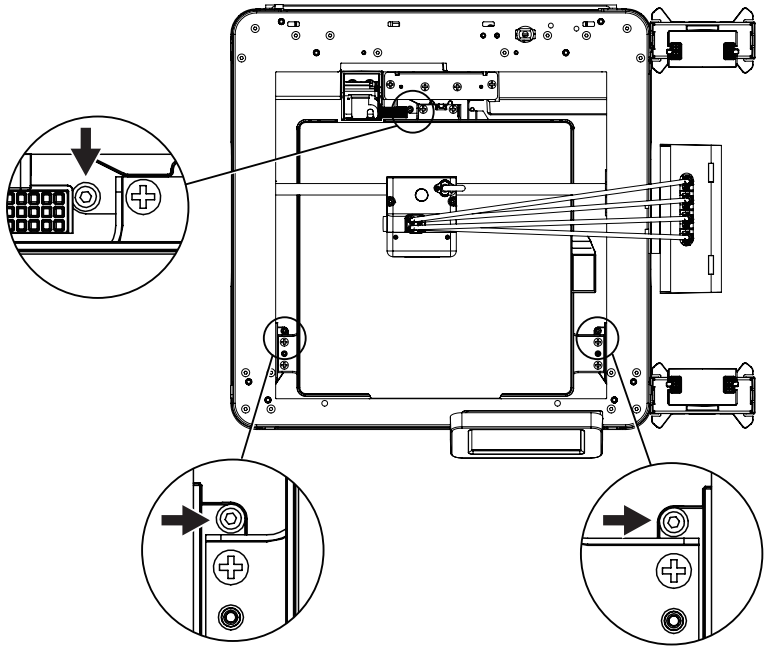




Unlock the Build Plate

⚠ Note **Please ensure the bed has been cleared up!**

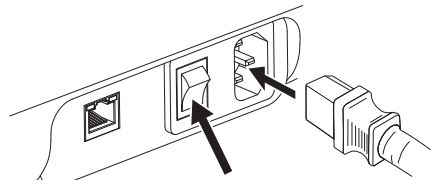
Please use a 2.0mm Allen wrench to remove the three screws which lock the build plate (as indicated by the arrows).



First Print

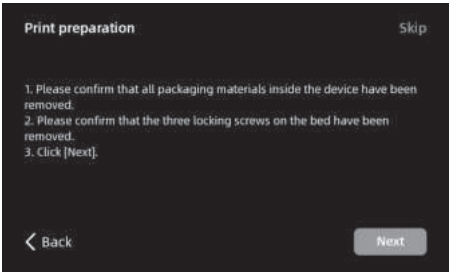
* The interface layout may change whenever there is an upgrade of firmware.

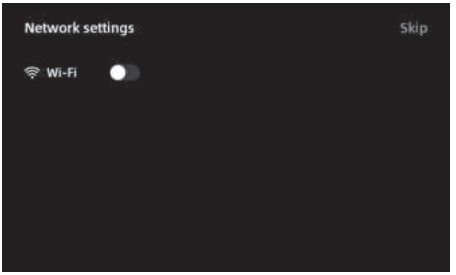
1. Plug in the power cord, turn on the power switch, and wait for the screen to respond.

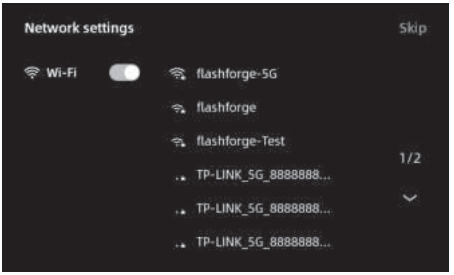


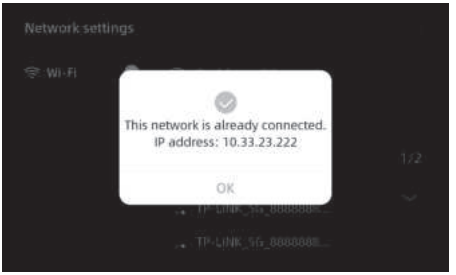
2. Following the guide on the screen, select the language.

3. Turn on the Wi-Fi switch and connect to the network following the instructions. A successful connection notification will pop up once connected.



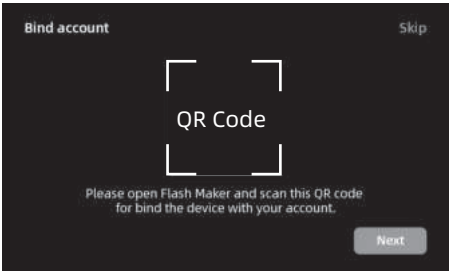






4. Bind the printer following the instructions. (Note: If skipped, binding can still be done later on the printer.)

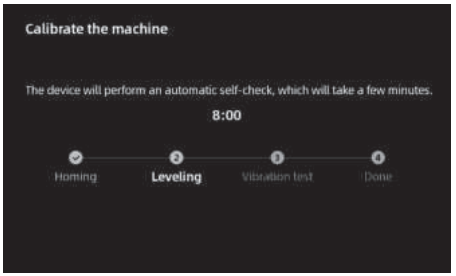
a. After clicking [OK], the QR code page will appear.

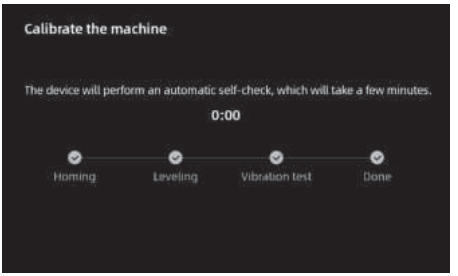


b. Download Flash Maker by scanning the QR code (see right) or from the app store, register your Flashforge account, and log in.

c. Use Flash Maker to scan the QR code on the printer screen to bind the printer to your account. (Note: Default printer name and location are set upon leaving the factory; after completing the startup, you can customize the printer name and location in the settings.)

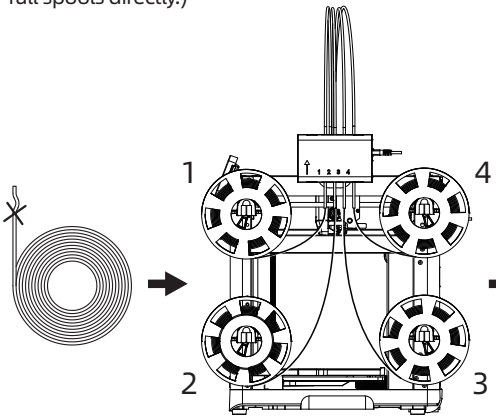
5. Click [Next] and the machine will perform the first calibration. Vibrations and noise during calibration are normal.
(Note: Please keep the machine on a stable surface and do not move it during calibration.)



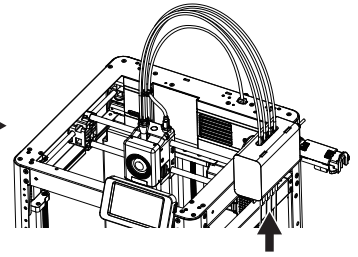


6. Load filament following the on-screen instructions:

a. Cut off the bent part of the filament end. Place the filament spools on the spool holders and insert the four filaments into the 1/2/3/4 inlets according to the direction indicated below. Thread them through the feed roller, and the device will automatically detect the filaments and feed them into the guide tubes one by one. The screen will display "Filament auto-loading, please wait...".
(Note: The small spool provided is for testing the first model only. It is recommended to load full spools directly.)

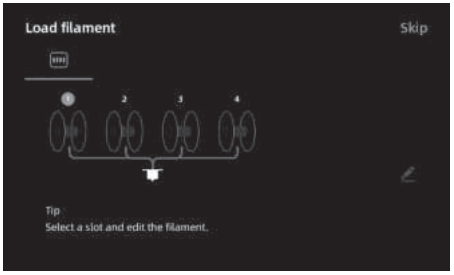


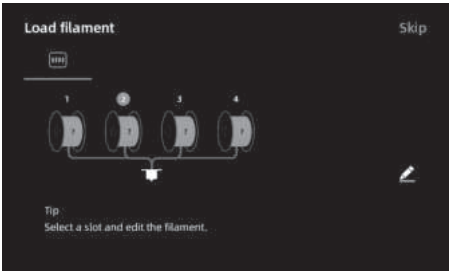
The numbers 1, 2, 3, and 4 marked on the four-color module correspond to the filament numbers.

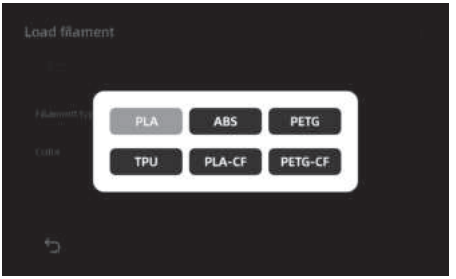


The filaments will automatically be fed to the top of the 4-in-1 guide tube.

b. Edit filaments: After loading the filaments, select channels 1-4 individually, click [ ], and select the corresponding filament type and color. For the first use, please select PLA.

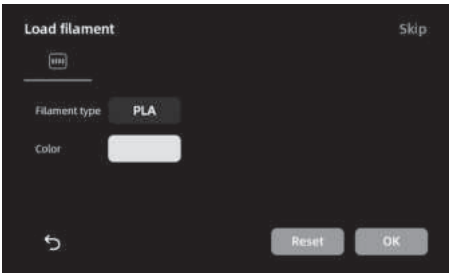


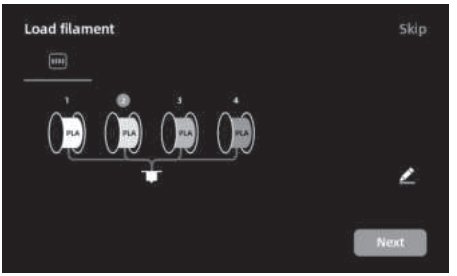




c. You may apply a thin layer of glue to the print bed. Please apply it evenly over the entire surface.
Note: Applying glue helps improve the adhesion.

d. Click [Next], and the device will start printing the built-in file (configured for PLA material).

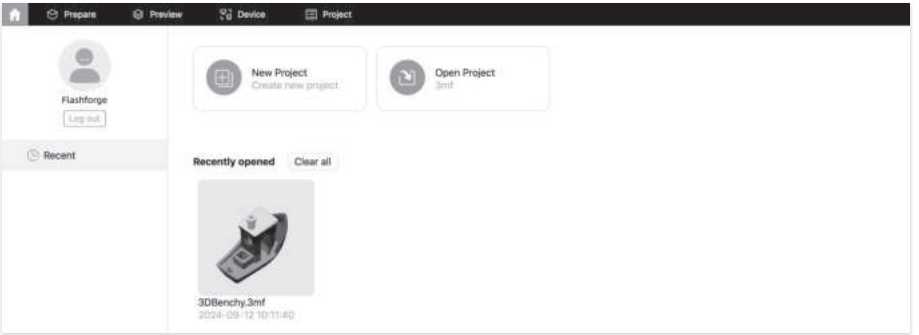




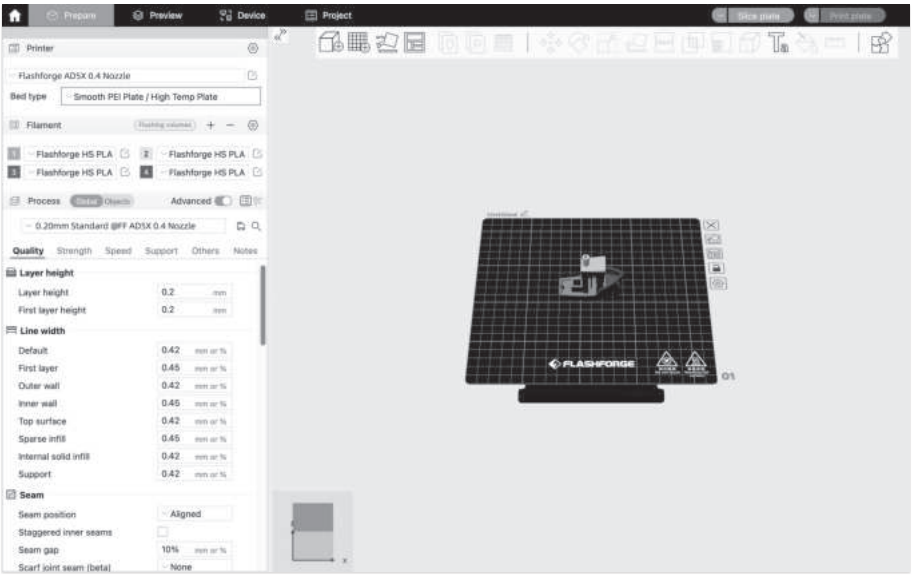
7. After printing is completed, please remove the model and clean the print bed.

Orca-Flashforge Instructions

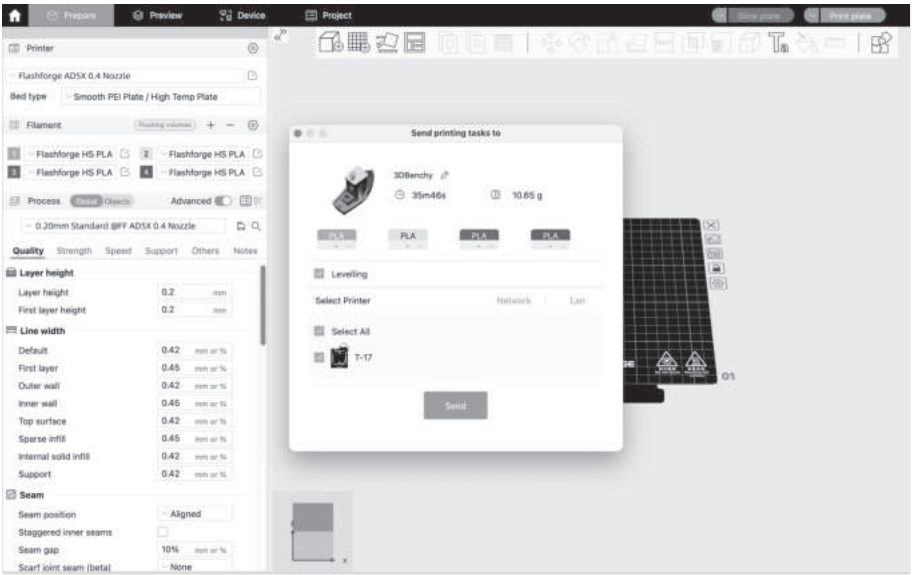
Download Orca-Flashforge from: https://flashforge.com/blogs/download-software/software

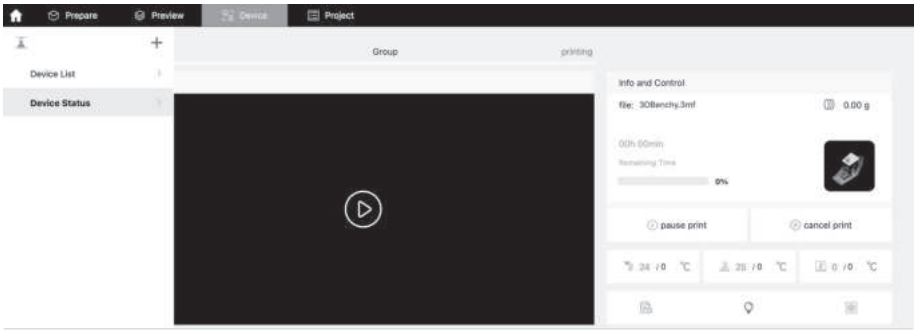


Log in to Orca-Flashforge using your Flashforge account. Create a new project or open an existing one. *Orca-Flashforge and Flash Maker share the same account.



Import your model, slice it, select your printer, and send it to print.
*It is recommended to select bed leveling when sending the print.





Monitor your print progress remotely on the device interface and pause/stop the print if needed.
*You can only see the live view if a camera is installed. (AD5X does not come with a camera by default.)
(For details and tutorials on software usage, please refer to the User Guide or Flashforge Wiki.)

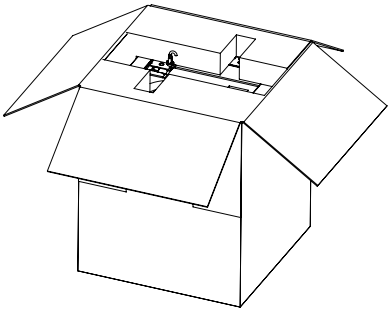
Parameters

Device Name	AD5X
Extruder Quantity	1
Printing Precision	±0.1mm (testing based on 100mm cubes)
Positioning Accuracy	X/Y-axis: 0.0125mm, Z-axis: 0.0025mm
Layer Thickness	0.1-0.4mm
Build Volume	220 x 220 x 220mm
Nozzle Diameter	0.4mm (default), 0.25/0.6/0.8mm (optional)
Printing Speed	10-300mm/s
Max Acceleration	20000mm/s²
Max Travel Speed	600mm/s
Max Extruder Temp	300℃
Power Supply	Input: AC 100~120V/200~240V, 50/60Hz, 650W
Device Dimensions	363 x 363 x 413mm (excluding the display screen and spool holder) 363 x 402 x 448mm (including the display screen, excluding the spool holder)
Net Weight	11.4kg
Connectivity	USB/Wi-Fi/Ethernet
Operating Temp	15-30℃
Compatible Operating System	Windows 7/8/10/11; Mac OS: support version 10.9 or later
Slicing Software	Orca-Flashforge/Orca Slicer
Max Bed Temp	110℃
Leveling Method	One-click auto leveling
Filament Run-out Reminder	√
Power Loss Recovery	√
Smart Touch Screen	4.3-inch
Build Plate	PEI steel sheet

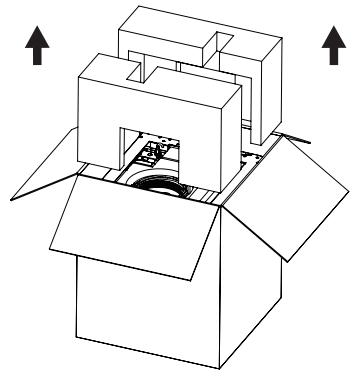
For more product information, please visit our official website.
www.flashforge.com - [Support]

产品开箱

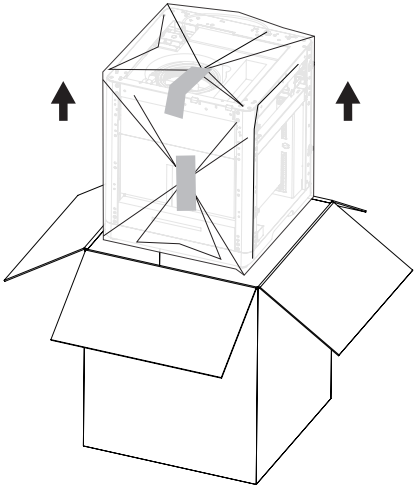
1. 打开纸箱。



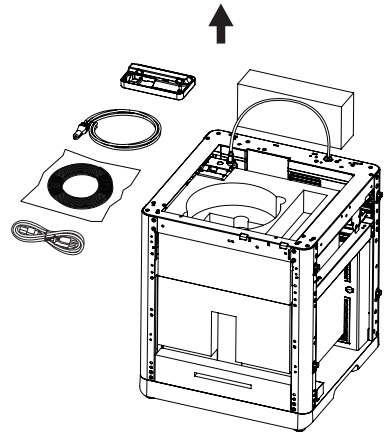
2. 取出上方固定泡棉以及快启售后服务卡。



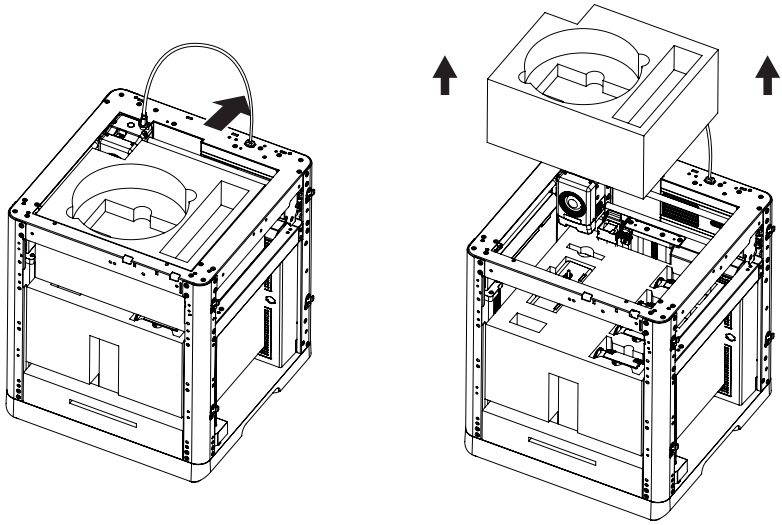
3. 取出机器放置水平桌面，去除包装袋和固定胶带。



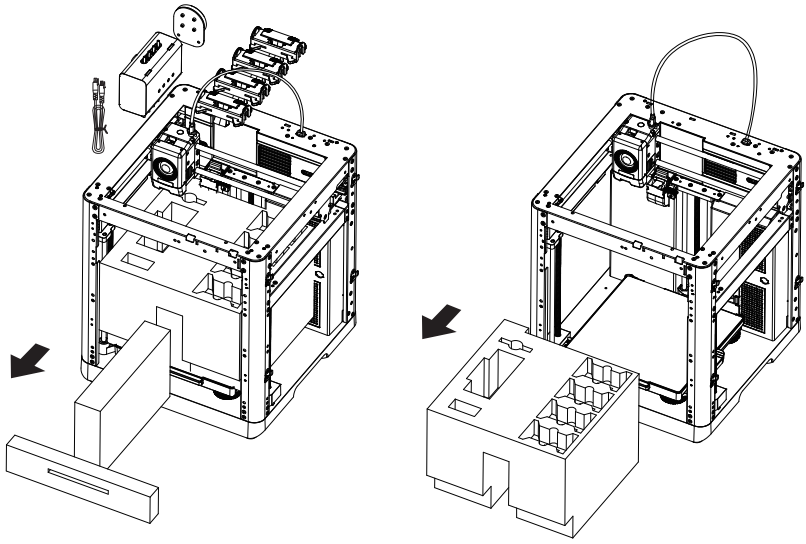
4. 取出腔体保护棉内的耗材、电源线、屏幕、四合一导丝管和喷头内侧保护棉。



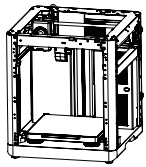
5. 按照箭头方向移动喷头、向前推动顶部泡棉，向上抽出泡棉。



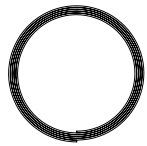
6. 按箭头方向抽出泡棉，取出耗材架、安装固定板、四色模块IFS、工具盒、IFS连接线，完成开箱。



装箱清单



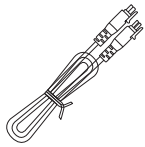
3D打印机



耗材*4

电源线

售后服务卡

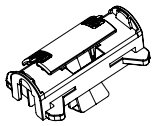


IFS连接线

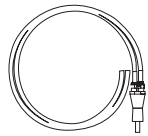
快速启动指南

显示屏

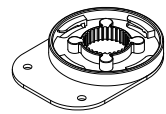
润滑脂



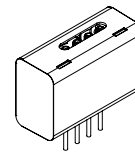
耗材架*4



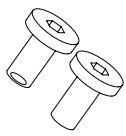
四合一导丝管



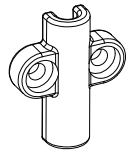
安装固定板



四色模块（IFS)

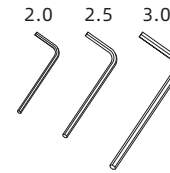


M3×6-4颗

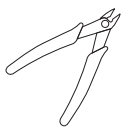


压线扣

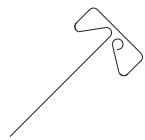
水洗胶



内六角扳手



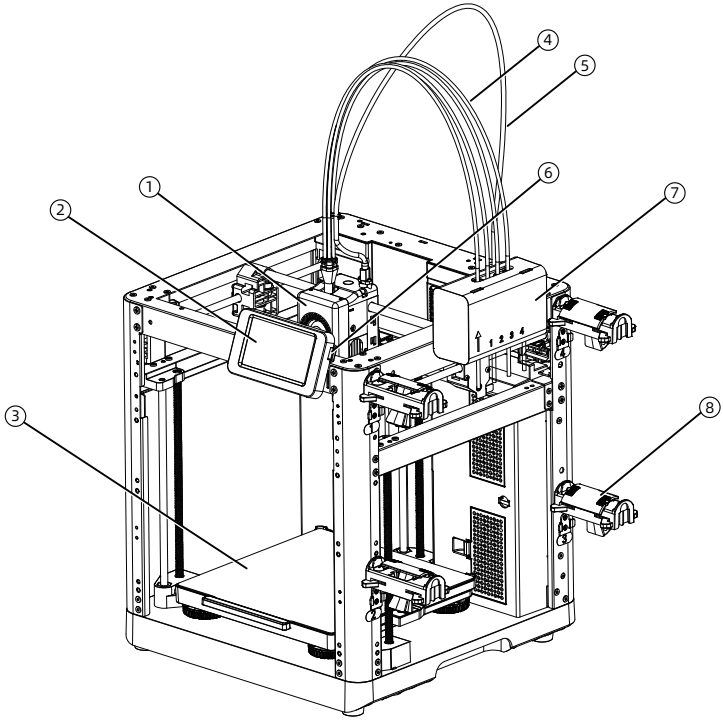
斜口钳

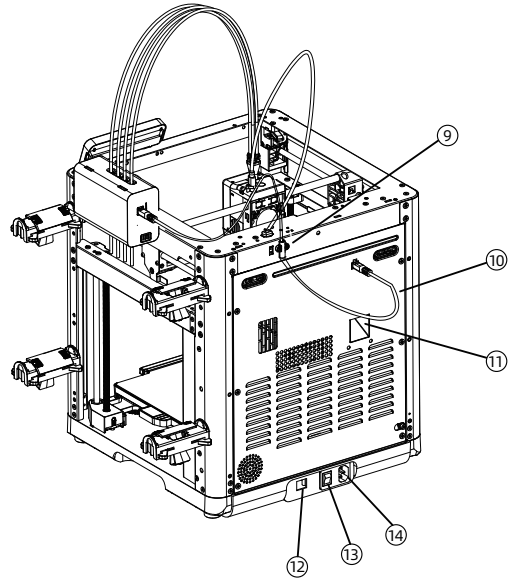


通针

十字螺丝刀

部件介绍

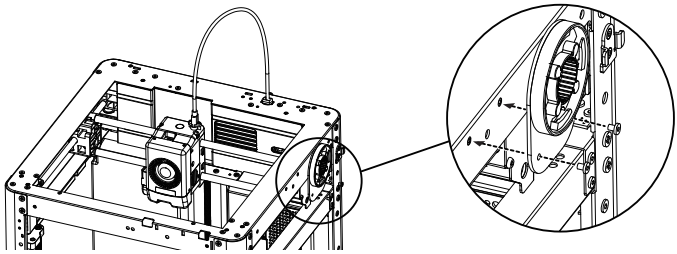




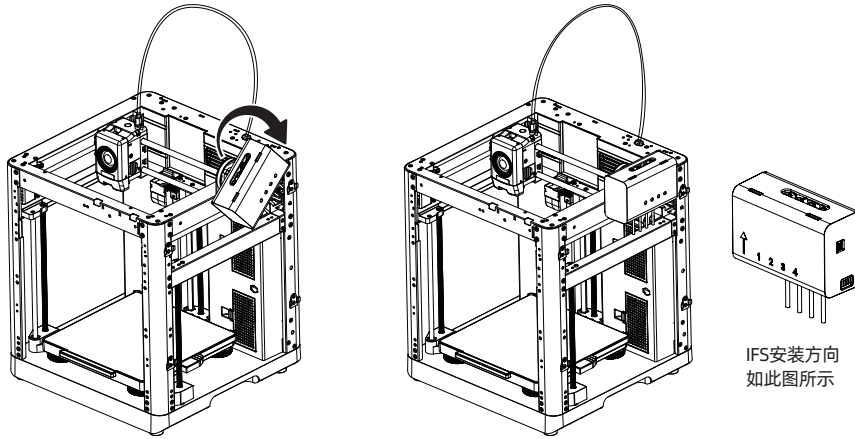
1. 喷头
2. 显示屏
3. 打印平台
4. 四合一导丝管
5. 喷头线
6. USB接口
7. IFS组件
8. 耗材架
9. 压线扣
10. IFS模块连接线
11. 排料口
12. 网线接口
13. 电源开关
14. 电源接口

四色模块IFS

1. 使用2颗M3*6螺丝将安装板固定在设备侧面；

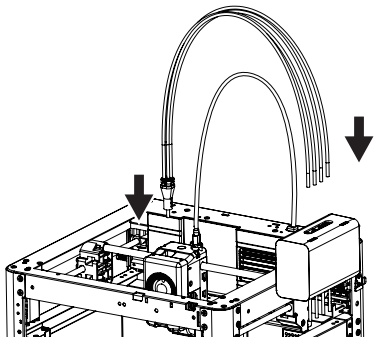


2. 将IFS通过卡扣旋转固定在设备上，导丝管朝下；

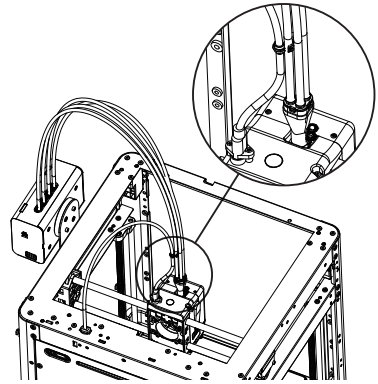


IFS安装方向
如此图所示

3. 将导丝管插入至IFS的各个通道口，此处导管无需区分通道口编号顺序。将另一端插入至喷头。



4. 将喷头线与导丝管通过卡扣连接在一起。



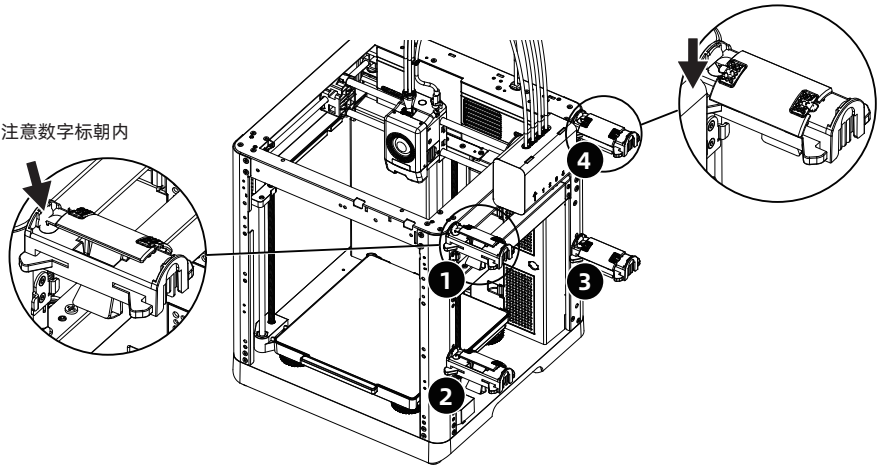
5. 安装丝料架，将丝料架扣到侧面的安装卡扣上，向下扣住卡扣。

⚠ 注意事项

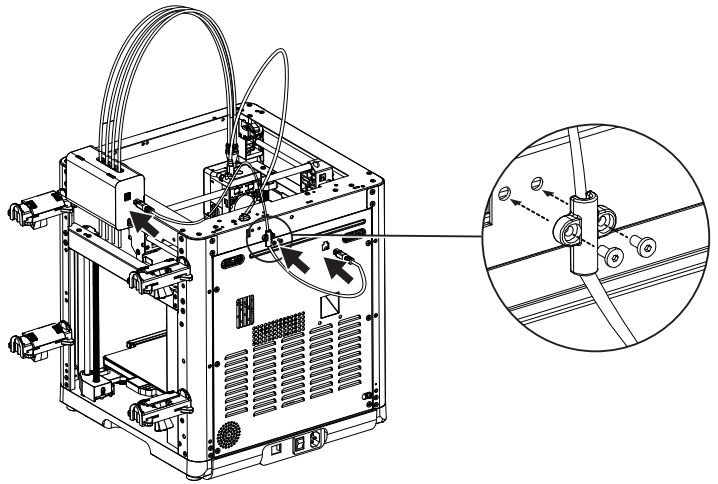
由于四卷耗材安装在两侧时，设备运行过程中，耗材有往回卷的需要，需回转的方向不同，因此安装支架、安装位置位号、安装IFS材料输入通道三者请按序号一一对应安装。

将耗材支架向下扣入卡扣的卡槽内

注意数字标朝内



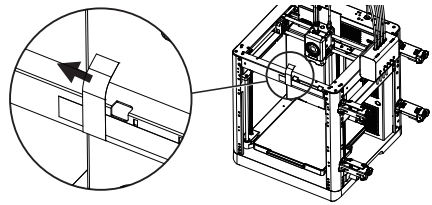
6. 连接IFS数据通讯线，将连接线分别插入四色模块与设备背部的端口，再用2颗M3*6螺丝锁住压线扣。



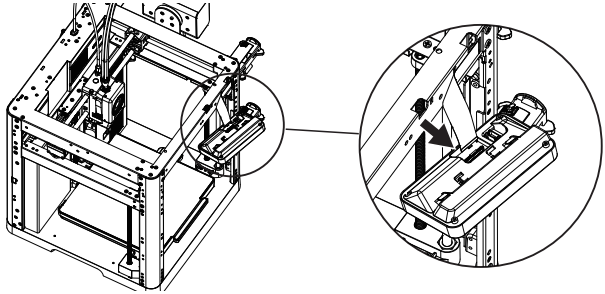
安装屏幕

⚠ 注意事项

安装前需取下屏幕排线固定胶带。
请轻撕，以免拉扯到排线。

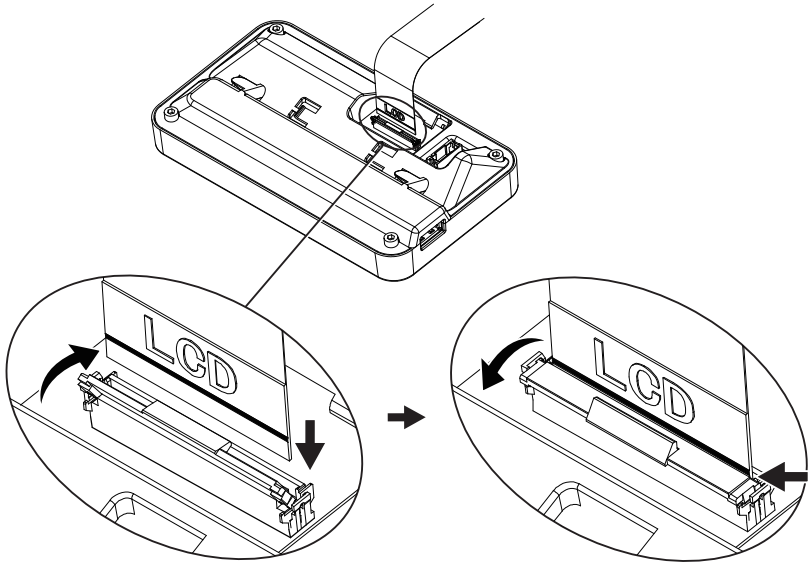


1. 如图所示，将屏幕排线插入屏幕连接口。



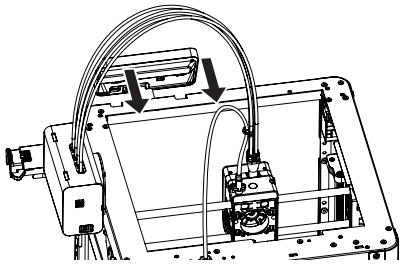
a. 将屏幕上的排线插座上的卡扣按箭头方向抬至图示位置（图示1）；然后将屏幕排线插入排线插座连接口。注意: 排线需插接到位，检查指示线与插座齐平。

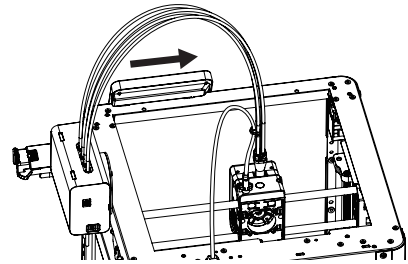
b. 将排线插座上的卡扣按箭头方向下压至图示位置（图示2）。



图示1　　图示2

2. 将屏幕背面的卡扣插入打印机的槽内，并按箭头方向推动屏幕将其锁紧。

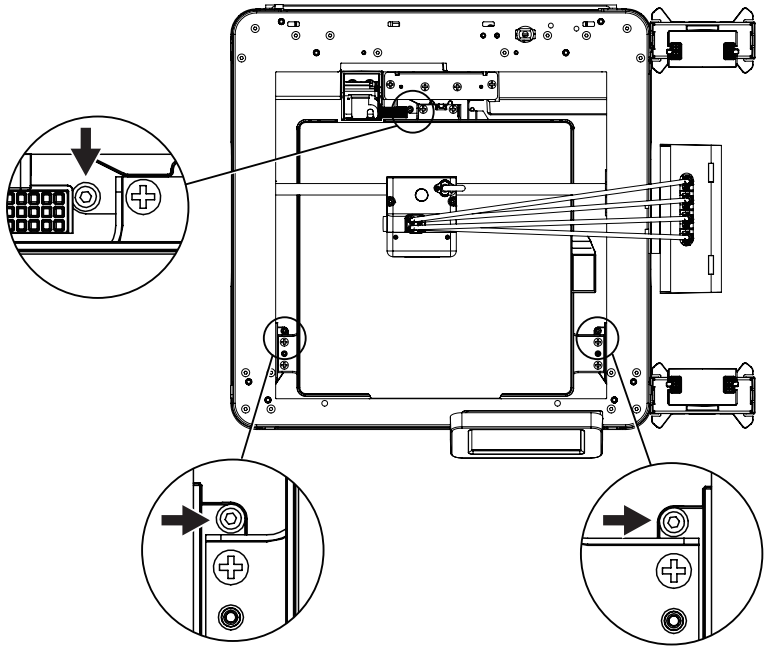




解锁平台

⚠ 注意事项 **请确认打印平台无异物！**

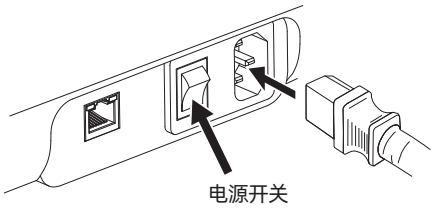
用2.0mm内六角扳手取下图示中的3颗螺丝（可参照机器上箭头标识），解锁打印平台。



首次打印

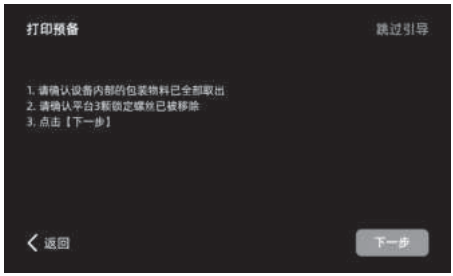
* 固件不定期更新，本快启不一定为最新UI界面，UI界面请以实际为准。

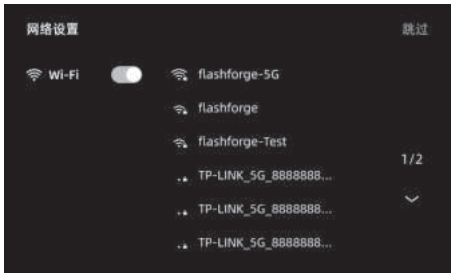
1. 插入电源线，打开电源开关点亮屏幕。



2. 根据屏幕上的开机指引完成界面语言选择。

3. 根据引导打开WiFi开关连接网络，连接成功后会出现提示弹窗。





4. 根据引导绑定打印机。（注：此步骤若跳过，后续仍可在设备上操作绑定。）

a.点击【确定】后出现打印机二维码页面。

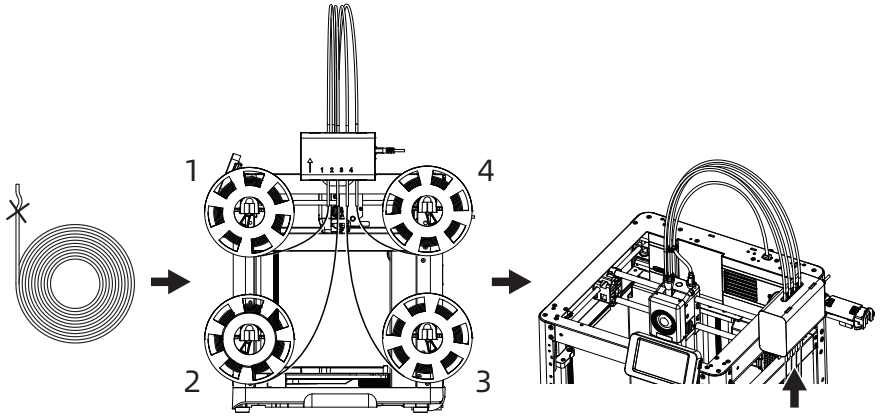
b. 扫码或通过手机应用商城下载 Flash Maker 手机应用，注册您的闪铸账号并登录。

c.用Flash Maker手机应用扫描打印机屏幕上的二维码，将打印机与您的账号绑定。（注:设备出厂时默认设备名称与位置；开机指南完成后，可在设备中自定义设备名称与位置）

5. 点击[下一步]，机器进行首次校准。校准过程中出现震动和噪音属于正常现象。（注：请将机器放置于稳定的平台面，且校准过程中请勿移动机器。）

6. 根据屏幕开机指引完成耗材安装进丝操作：

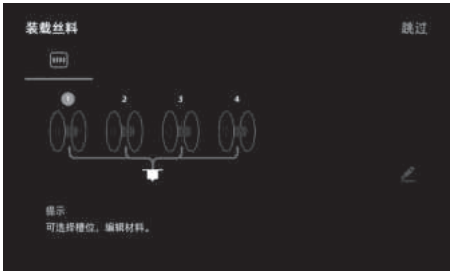
a. 剪去耗材头部弯折部分，将丝料盘放到耗材支架上，按如图耗材进料方向将4个耗材分别插入1-2-3-4 进料口，穿过送丝轮，设备将检测到丝料，并逐个自动送入导管内，屏幕会主动弹出“丝料自动装载中”的提示。
（注：附赠的小卷耗材，仅供测试首个模型使用，建议直接安装整卷耗材）

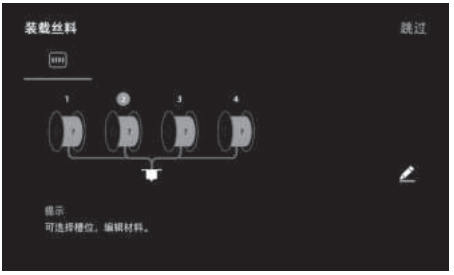


四色模块中所标记的1234序号，即为耗材标号。

丝料会自动被送至四合一管口上方。

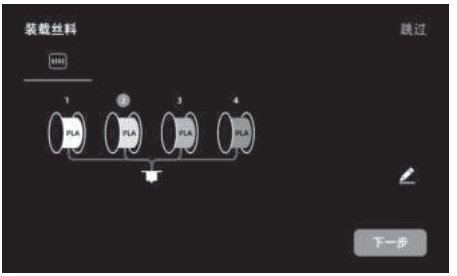
b. 编辑耗材：丝料装载后，分别选中1-4号耗材通道，点击编辑 按钮，选择对应的耗材类型与颜色；首次使用请选择PLA。





c. 可以在打印平台上涂一层胶水，请全幅面涂抹均匀。注：涂抹胶水有利于改善模型粘附。

d. 点击[下一步]，机器开始首次打印内置文件 （该文件的配置参数使用的材料为PLA）。

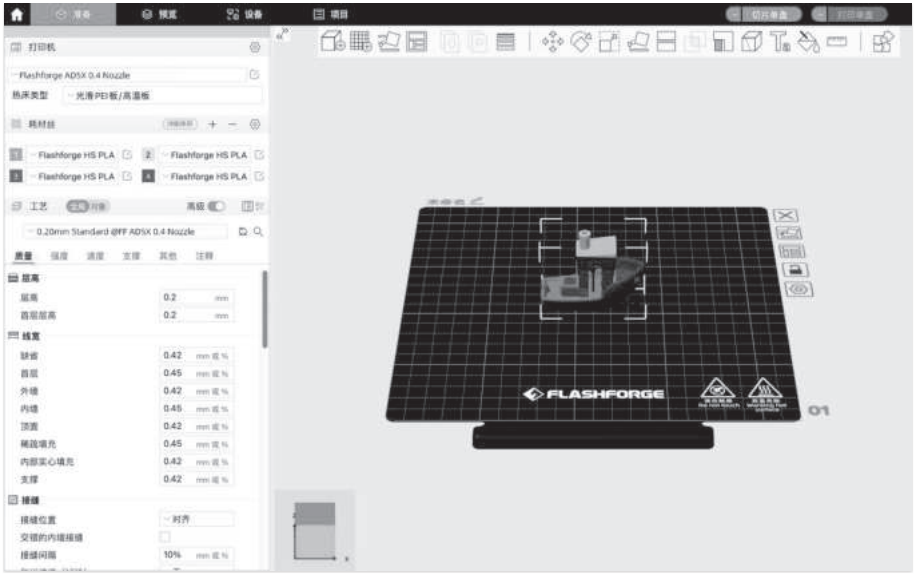


7. 打印完成后，请取下模型，清理平台。

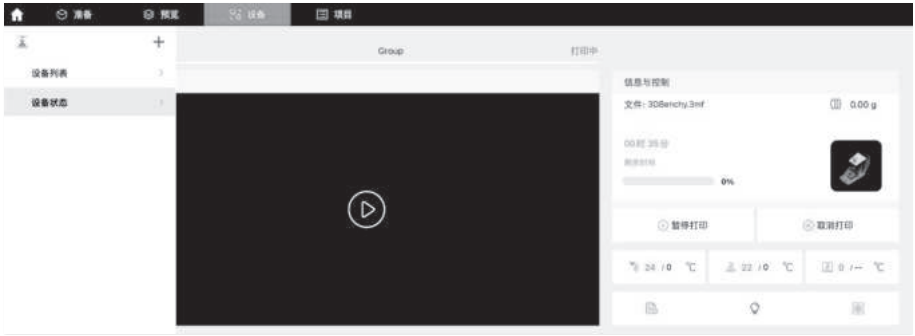
Orca-Flashforge 切片软件

下载Orca-Flashforge：https://flashforge.com/blogs/download-software/software

使用您的闪铸账号登陆 Orca-Flashforge。新建或者打开一个项目。
*Orca-Flashforge 和Flash Maker使用同一个账号。



导入模型，完成模型切片后，选择打印机并发送打印。
*推荐发送打印时选择热床调平。



在设备界面，对您的打印进程进行远程监控，并可在需要时暂停/停止打印。
*只有安装了摄像头，才能看到实时视图。（AD5X出厂默认未装摄像头）
（更多软件说明可查看说明书或者闪铸wiki）

技术参数

设备名称	AD5X
喷头数量	1
打印精度	±0.1mm [以100mm方块为测试基准]
定位精度	X/Y轴：0.0125mm，Z轴：0.0025mm
层厚度	0.1-0.4mm
打印尺寸	220 x 220 x 220mm
喷嘴口径	0.4mm默认[0.6/0.8/0.25mm可选]
打印速度	10-300mm/s
最大加速度	20000mm/s²
最大移动速度	600mm/s
最高喷头温度	300℃
电　源	输入：AC 100~120V/200~240V，50/60Hz，650W
设备尺寸	363 x 363 x 413mm [不含显示屏、不含料盘支架] 363 x 402 x 448mm [含显示屏、不含料盘支架]
净　重	11.4kg
打印连接方式	USB接口/Wi-Fi/以太网
工作温度	15-30℃
兼容的操作系统	Windows 7/8/10/11；Mac OS支持10.9及以上版本
切片软件	Orca-Flashforge/Orca Slicer
平台最高温度	110℃
调平方式	一键自动调平
断丝提醒	√
断电续打	√
智能触控液晶屏	4.3英寸
打印平台	PEI钢板

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www.sz3dp.com - [技术支持]

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