3D Printer User Manual

3D打印机用户使用手册

V1.1

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:
User manual: You can find instructions and videos in the memory card provided with the printer.
You can also 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

Please visit our official website https://www.creality.com/download. Click Homepage → Support → Download. Download the required firmware and install it.

尊敬的用户：

感谢您选择创想三维的产品。为了您使用方便，请您在使用之前仔细阅读本说明书，并严格按照说明书的指示进行操作。
创想三维团队时刻准备为您提供优质的服务。在使用过程中无论遇到什么问题，请按照说明书结尾所提供的电话、邮箱与我们进行联系。
为了您能够更好地体验我们的产品，您还可以从以下方式获取设备操作知识：
随机使用说明：您可以在存储卡内找到相关使用说明及视频。
您还可以登陆创想三维官网(www.cxsw3d.com)寻找相关软硬件、联系方式、设备操作、设备保养等信息。

固件升级

请您登录官网https://www.cxsw3d.com，点击首页→服务支持→资料下载，选择所需固件下载安装后即可完成。

NOTES 使用须知

1. Do not use this printer by methods or operations that are not described in this manual, otherwise it may result in accidental injury or property damage.
2. Do not place this printer near flammable materials, explosive materials or high heat sources. Please place this printer in a ventilated, cool and low-dust environment.
3. Do not place this printer in a vibrating or any other unstable environment, as the printing quality will be compromised when the printer shakes.
4. Please use the filament recommended by the manufacturer, otherwise the nozzle may be clogged or the printer may be damaged.
5. Please use the power cord provided with the printer and do not use the power cord of other products. The power plug must be plugged into a three-hole socket with a ground wire.
6. Do not touch the nozzle or hotbed while the printer is in operation, otherwise you may get burned.
7. Do not wear gloves or accessories while operating the printer, otherwise the moving parts may cause accidental injury including cuts and lacerations.
8. After the printing process is complete, please use tools to clean up the filament on the nozzle while the nozzle is still hot. Do not touch the nozzle with your hands when cleaning, otherwise your hands may get burned.
9. Please regularly clean the printer body with a dry cloth while the power is off, and wipe off dust, sticky printing materials, and foreign objects on the guide rails.
10. Children under the age of 10 must not use this printer without adult supervision in order to avoid accidental injury.
11. This printer has a safety protection mechanism. Please do not manually move the nozzle or printing platform quickly while the printer is on, otherwise the printer will automatically power off for protection.
12. Users should abide by the laws and regulations of the corresponding country and region where the equipment is located (place of use), abide by professional ethics, and pay attention to safety obligations. The use of our products or equipment for any illegal purpose is strictly prohibited. Our company is not responsible for the relevant legal responsibilities of any violators.

NOTES 使用须知

1. 请勿尝试任何使用说明中没有描述的方法来使用本机，避免造成意外的人身伤害和财产损失；
2. 请勿将本机放置在易燃易爆物中或高热源附近，请将本机放置在通风、阴凉、少尘的环境内；
3. 请勿将打印机放置在振动较大或者其他不稳定的环境内，机器晃动会影响打印机打印质量；
4. 建议使用厂家推荐耗材，以免造成挤出头堵塞和机器损坏；
5. 请勿在安装过程中使用其他产品电源线代替，请使用本机附带的电源线，电源插头需接插在带有地线的三孔插座；
6. 请勿在打印机工作时接触喷嘴、热床以及电机，以防止出现高温烫伤，造成人身伤害；
7. 请勿在操作机器时佩带手套或缠绕物，以防可动部件对人身部件造成卷入挤压和切割伤害；
8. 在打印完毕后及时利用喷头的余温借助工具将喷头上的耗材清理干净，清理时请勿直接用手触摸喷头，以防出现烫伤；
9. 常做产品维护，定期在断电的情况下，用干布对打印机做机身清洁，拭去灰尘和粘结的打印材料、导轨上的异物；
10. 年龄在10岁以下的儿童，请勿在没有人员监督的情况下使用本机，以免造成人身伤害；
11. 本机设有安全保护机制，请勿在开机状态下手动快速移动喷头或打印平台机构，否则设备会自动断电关机保护；
12. 使用者应遵守设备所在地（使用地）相应国家、地区法律法规，恪守职业道德，注意安全义务，严禁将我司的产品或设备使用在任何非法用途上。
    如有违反者所应承担的相关法律责任我司概不负责。

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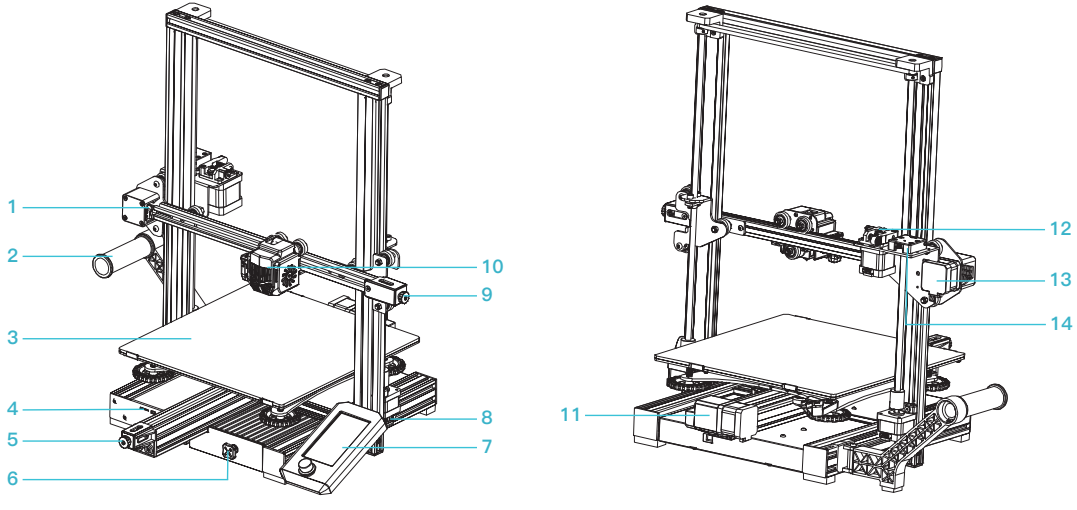
1. About the Printer 设备简介



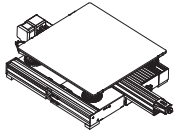
1 X Axis Limit Switch X轴限位开关
2 Consumables rack 耗材架
3 Printing Platform 打印平台
4 Storage Card Slot 存储卡插槽
5 Y axis Tension Adjustment Y轴张紧调节
6 Tool box 工具盒
7 Screen 显示屏
8 Power Switch 电源开关
9 X axis Tension Adjustment X轴张紧调节
10 Nozzle Kit 喷头组件
11 Motor 01 电机 01
12 Extrusion kit 挤出套件
13 Motor 02 电机 02
14 Filament Detector 断料检测

2. Equipment Parameters 设备参数

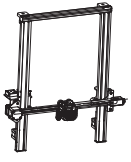
Basic Parameters 基本参数	
Model 型号	Ender-3 Max Neo
Print Method 打印方式	TF card/USB online printing TF卡/USB联机打印
Molding Technology 成型工艺	FDM
Number Of Nozzles 喷头数量	1
Printing Size 成型尺寸	300*300*320mm
Layer Thickness 切片层厚	0.1-0.4mm
Printing Speed 打印速度	≤60mm/s
Nozzle Diameter 喷嘴直径	0.4mm
Heated Bed Temperature 热床温度	≤100℃
Nozzle Temperature 喷嘴温度	≤260℃
Printing Materials 打印材料	PLA/ABS/PETG/Wood
Filament Diameter 材料直径	1.75mm
Supported Slicing File Formats切片支持格式	STL/OBJ/AMF
Machine Size 设备尺寸	516*582*590mm
Machine Weight 机器重量	10.5KG
Package Size 包装尺寸	665*555*290mm
Package Weight 包装重量	13.5KG
Rated Voltage 额定电压	100-120V~ 200-240V~ 50/60Hz
Operation System 操作系统	WIN/MAC/Linux
Rated Power 额定功率	350W
Display Screen 显示屏幕	4.3 inch 4.3 英寸

3. Package Content 零部件清单

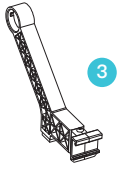
Parts List 零件清单



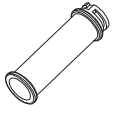
1 Base Frame
底座组件



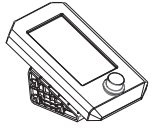
2 Gantry Frame
龙门架



3 Material rack
料架



4 Material barrel
料筒

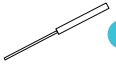


5 Display Screen
显示屏

6 Filament
耗材

Tools list

7 Cutting pliers
剪钳



8 Nozzle Cleaner
通针

9 Power cable
电源线

10 Cable tie
扎带

11 TF card /Card reader
TF卡和读卡器

12 M5x65 Hexagon round head screws x4
M5x65内六角圆柱头螺丝 x4

13 Blade
铲刀

14 Wrench and screwdrive
扳手和螺丝刀

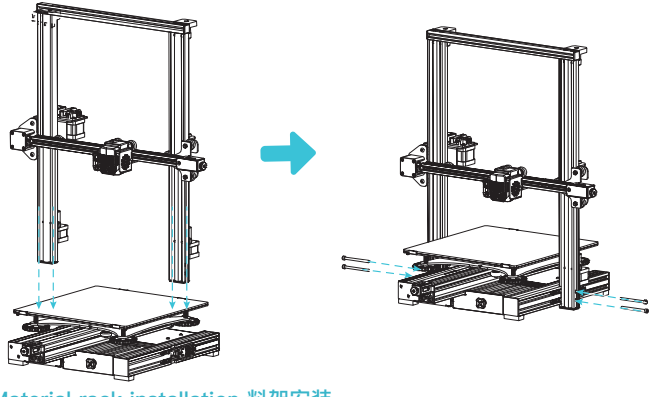
15 Blue clip×2
蓝色线夹× 2

16 Nozzle
喷嘴

4. Product Installation 产品安装

1. Gantry installation 龙门架安装

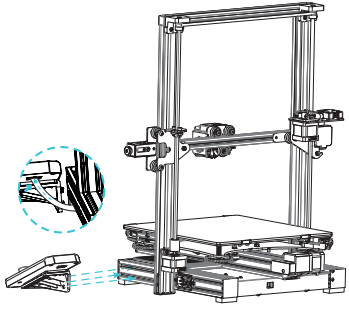
Place the gantry frame in the slot of the base and pre-lock with four M5x65 hexagon socket head spring washer combination screws aligned with the hole, and then tighten the screws.
将龙门架放置在底座卡槽处，用4颗m5 × 65的螺丝对准孔先预锁紧，再拧紧固定。



2. Screen installation 显示屏安装

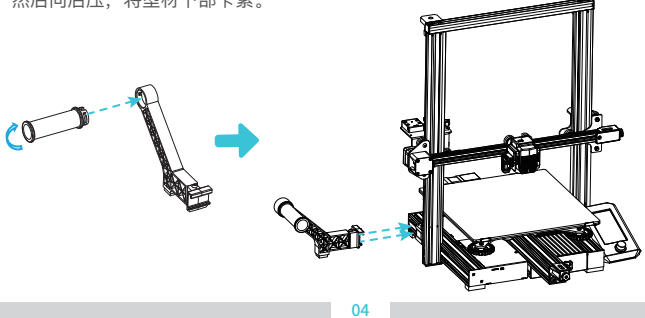
A. Place the screen kit on the right side of the profile, snap it into the profile horizontally and then tighten the screws.
B. Connect the cable of the screen, as shown below.

A.将显示屏组件放置于右边型材侧面，平行卡入型材，再将螺钉拧紧固定；
B.连接显示屏接线，如下图所示。



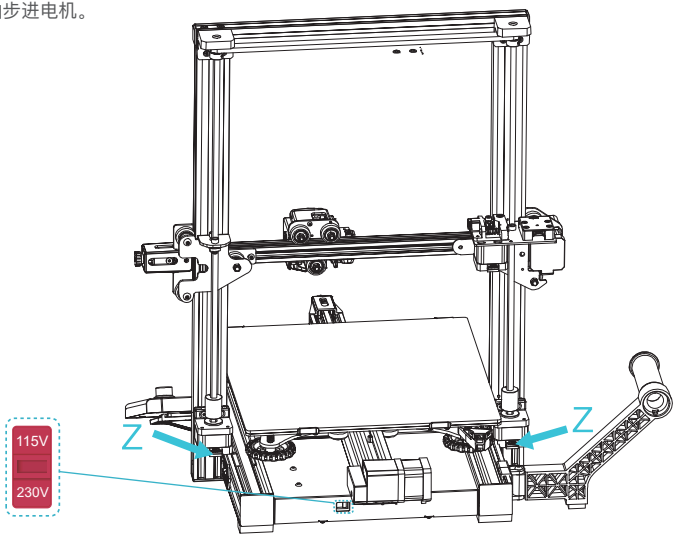
3. Material rack installation 料架安装

Fit the front slot of the installed material rack to the front slot of the profile, and then press down to clamp the bottom of the profile.
将安装好的料架前卡槽与型材前卡槽配合，然后向后压，将型材下部卡紧。



5. Equipment Wiring 设备连接

Connect the Z-axis stepper motor as prompted on the label on the 6-pin (4 wires) port.
按照6pin (4根线)端口上黄色标签提示连接Z轴步进电机。

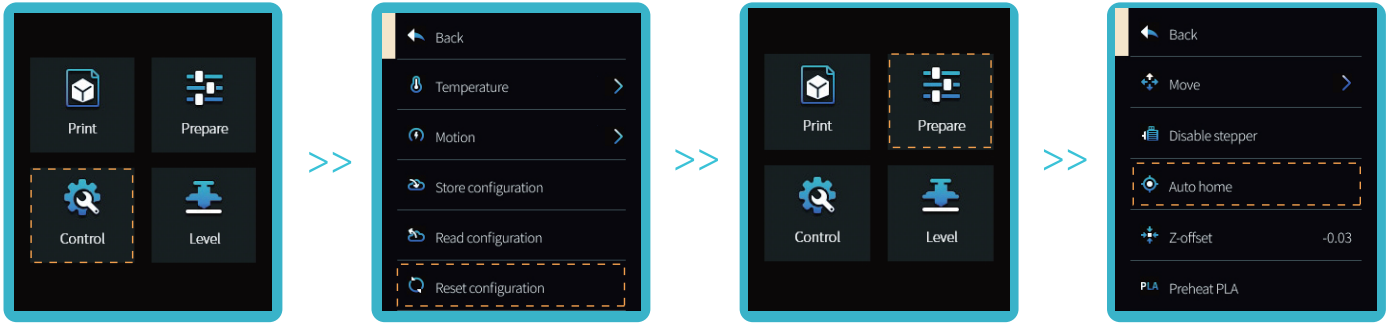


Caution 注意

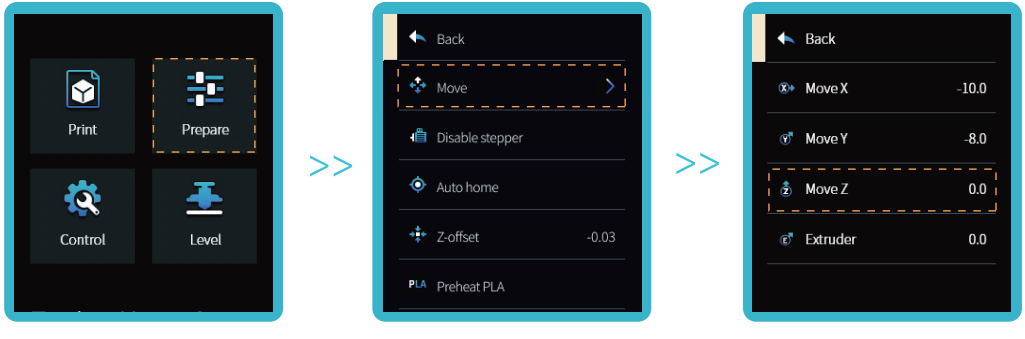
- Please ensure the correct position for the power supply switch and mains before supply connection, in order to avoid damage to the device.
  接通电源之前，请务必根据当地电网电压选择正确的电压模式，以免烧坏电源。
- If the mains between 100V and 120V, please select the 115V for the power supply switch.
  如果当地电网电压在100-120V范围内，请将机器电源拨码调到115V；
- If the mains between 200V and 240V, please select the 230V for the power supply switch(default is 230V).
  如果当地电网电压在200-240V范围内，请将机器电源拨码调到230V(默认在230V位置)。

6. Initialization Settings 初始化设置

1. Enter “Control → Reset configuration” to reset the printer parameters.
2. Enter “Prepare→ Auto Home” and return to the starting position.

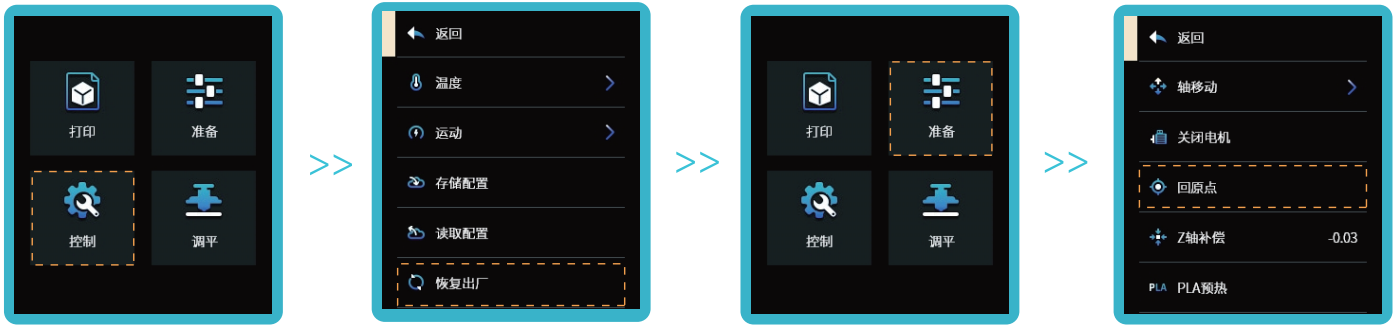


3. Enter “Prepare → Move → Move Z”, and clear the value.



6. Initialization Settings 初始化设置

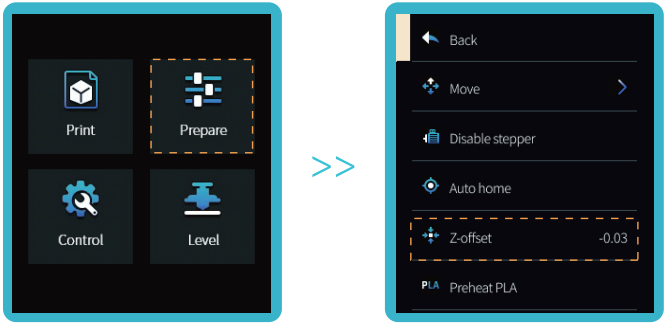
1.进入“控制→恢复出厂设置”进行打印机参数清零操作。
2.进入“准备→回原点”，回到起始位置。



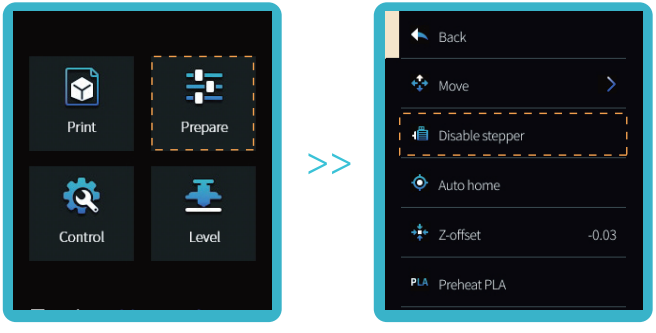
3.进入“准备→轴移动→Z轴移动”，数值清零。

6. Initialization Settings 初始化设置

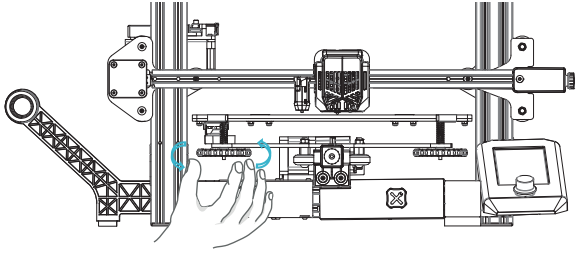
4. Enter “Prepare→Z-offset”, adjust the Z-axis compensation value so that the height from the nozzle to the platform is almost the thickness of a piece of A4 paper (0.08–0.1mm), click the knob to confirm, and complete the center point leveling.



5. Enter “Prepare → Disable stepper” to turn off all enabled motors.



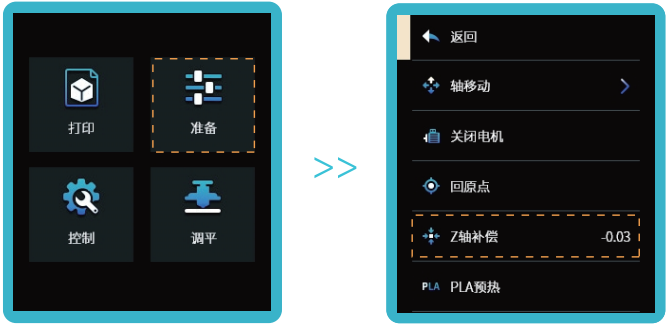
6. Adjust the knob at the bottom of the hotbed, move the nozzle to the four corners of the printing platform, so that the height of the nozzle to the printing platform is almost the thickness of a piece of A4 paper (0.08–0.1mm) to ensure that the four corners are leveled.



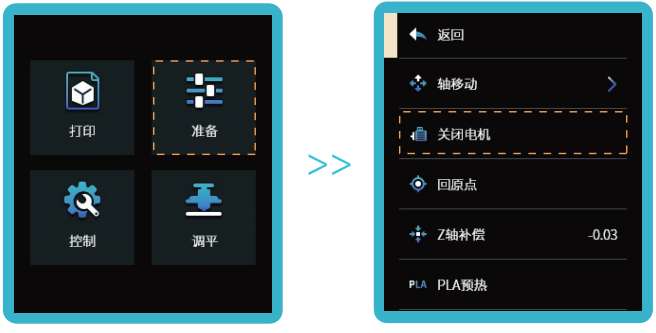
The interface is for reference only, and the actual UI shall prevail.

6. Initialization Settings 初始化设置

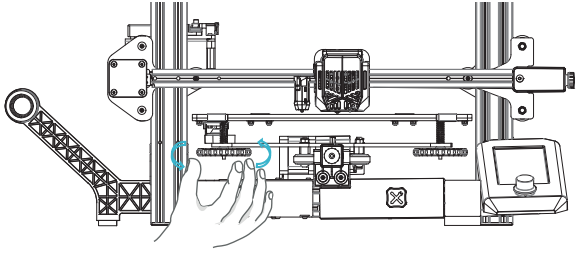
4. 进入“准备→Z轴补偿”，调整Z轴补偿值数值，使喷嘴到平台的高度差不多是A4纸的厚度(0.08–0.1mm)，点击旋钮确定，中心点调平完成。



5. 进入“准备→关闭电机”关闭所有电机使能。



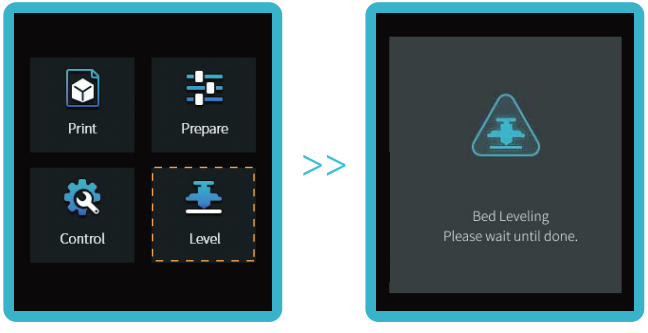
6. 调整热床底部的旋钮，移动喷头到打印平台的四个角落，分别使喷嘴到打印平台的高度差不多都是A4纸的厚度(0.08–0.1mm)，确保四个角落调平完成。



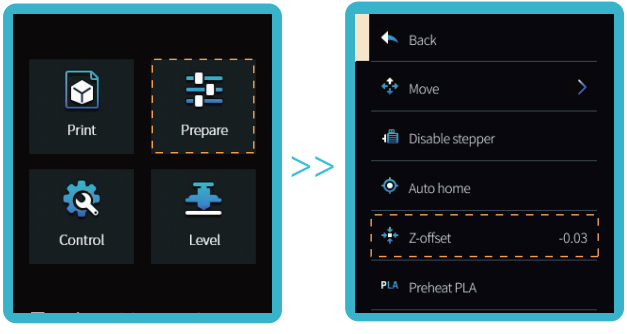
以上界面仅供参考，请以实际界面为准。

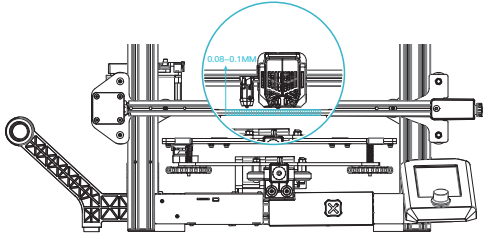
7. Automatic leveling 自动调平

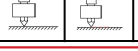
1. Turn on the equipment and select “Level”.Default operation: The printer first automatically returns home for automatic calibration of 25 points, and then returns home again to complete the leveling.



2. Enter “Prepare→Z-offset”, adjust the Z-axis compensation value so that the height from the nozzle to the printing platform is about the thickness of a piece of A4 paper (0.08-0.1mm), click the knob to confirm, and the Z-axis compensation value is determined successfully.

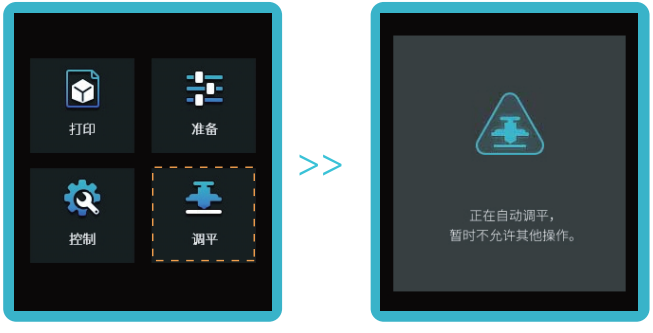




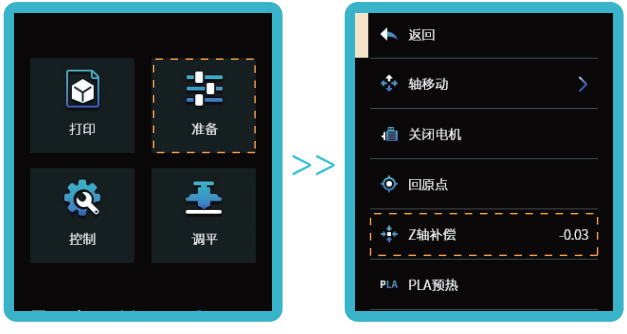
	The nozzle is so far away from the platform that the filaments can’t attach to the platform.
	Filaments are extruded evenly, just sticking on the platform.
	The nozzle is so close to the platform that the filaments are not extruded enough, or even scratch the platform.

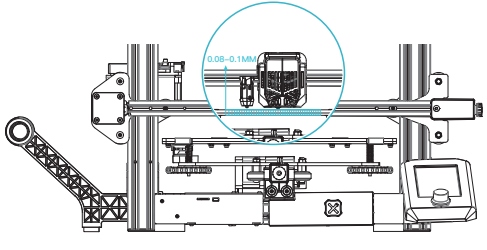
7. Automatic leveling 自动调平

1. 设备接通电源，选择“调平”，默认运行:打印机先自动回原点进行自动校准25点数据后，打印机将再次回原点后调平完成。



2. 进入“准备→Z轴补偿”，调整Z轴补偿值数值，使喷嘴到打印平台的高度约一张A4纸的厚度（0.08–0.1mm），点击旋钮确定，Z轴补偿值确定成功。

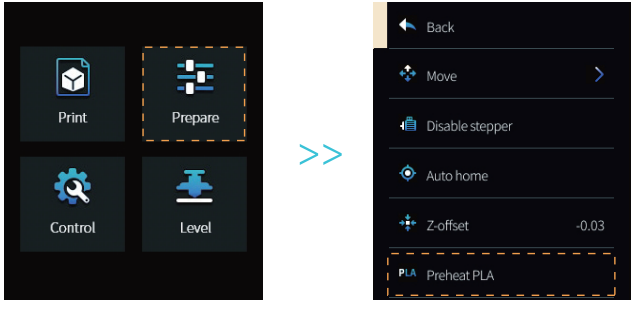




	喷嘴离平台太远，耗材无法粘附在平台上。
	耗材挤出均匀，刚好贴在平台上。
	喷嘴离平台太近，耗材挤出不足，甚至刮坏平台。

8. Preheating mode 预热方法

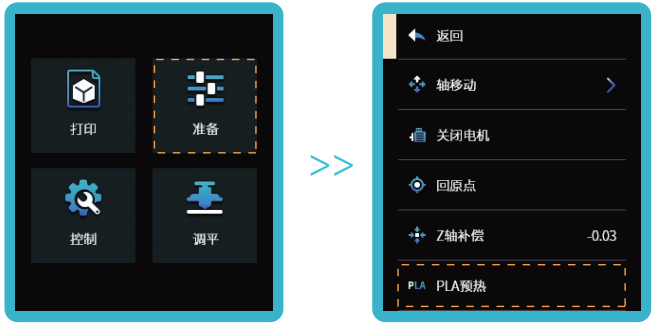
Method1



Method2

8. Preheating mode 预热方法

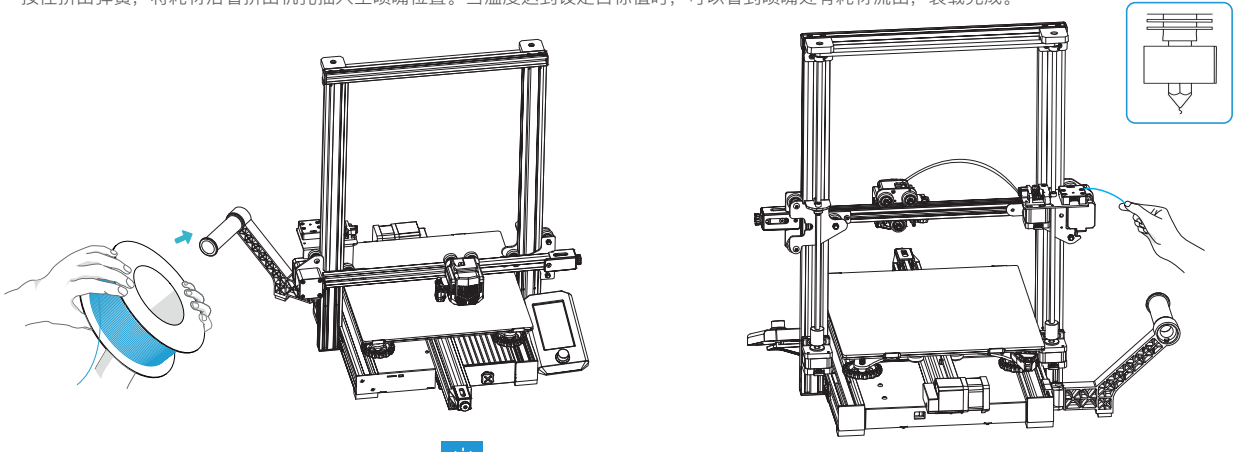
方法1

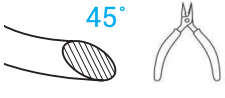


方法2

9.Filling the Filament 填充耗材

1. When you are waiting for the temperature to rise, hang the consumables on the rack.
   当您在等待温度上升时，把耗材挂在料架上。
2. Press and hold the extrusion spring and insert the filaments into the nozzle position along the extruder hole. When the temperature reaches the set target value, you can see that there are filaments flowing out of the nozzle and the loading is completed.
   按住挤出弹簧，将耗材沿着挤出机孔插入至喷嘴位置。当温度达到设定目标值时，可以看到喷嘴处有耗材流出，装载完成。





In order to successfully load the filament, the end of the filament should be in the position as shown in the figure.
为了顺利完成装料,耗材的末端位置应如图所示处理。

Replacing the Filaments:

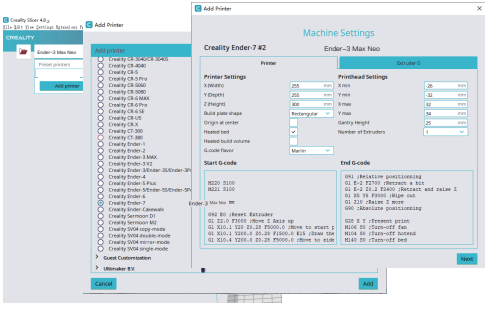
1. When the printer starts printing, cut the filaments near the extruder and feed the filaments slowly until they are fed into the printer's pipe.
2. After the printer has finished printed and been cooled, heat the nozzle to 185℃+, then take out filaments , and replace the filaments following step 1.
3. Replace filaments during printing and adjust the printing speed to 10%, and then replace the filaments following step 2.

1.设备刚开始打印，在靠近挤出机处将耗材剪断，将耗材缓缓送入，直到耗材被送入导料管为止。
2.设备已打印且冷却了，需要将喷嘴加热到185℃+，再将耗材抽出，再参考步骤1更换耗材。
3.打印过程中更换耗材，把打印速度设置调节为10%，参照步骤2更换耗材。

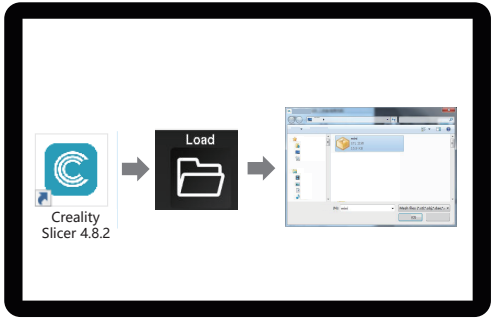
10.Start Printing 开始打印

1. Double click to install the software and open.
双击安装软件并打开。

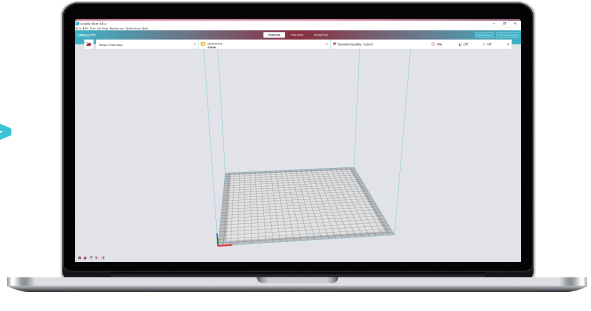
2. Select language→Next→Select your machine→Next→Finish.
依次选择语言→下一步→选择对应机型→下一步→完成设置



3. Open Creality 3D slicer→ Load(Read file)→Select file.
依次选择语言→下一步→选择对应机型→下一步→完成设置



4. Generate G-code，and save the gcode file to storage card.
生成G-code文件，保存到存储卡。



10.Start Printing 开始打印

5. Insert the storage card , print and then select the file to be print.
插入存储卡,然后选择要打印的文件。

Please don't insert or remove storage card during printing.
打印过程中请勿插拔存储卡。

For details on the software instructions, please refer to the slicing software manual in the memory card!
软件使用说明详情，请见存储卡内切片软件使用手册!

Note:The file name must only contain Latin letters and numbers. Chinese characters or special symbols must not be used.
温馨提示：文件名需为拉丁字母或数字，不能为汉字或其他特殊符号。

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

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