



3D Printer User Manual

3D打印机用户使用手册

V1.0

Dear Consumers,

Thank you for choosing our products. For the best experience, please read the instructions before operating the Printer. Our teams will

always be ready to render you the best services. Please contact us via the phone number or e-mail address provided at the end when you encounter any problem with the Printer.

For a better experience in using our product, you can also learn how to use the printer in the following ways:

View the accompanied instructions and videos in the TF Card.

Visit our official website www.creality.com to find relevant software/hardware information, contact details and operation and maintenance instructions.

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TF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。

Firmware Upgrade

Please login the official website <https://www.creality.com/download>, switch the language and select the relevant printer and model and download the required firmware, you can use it after the installation is finished.

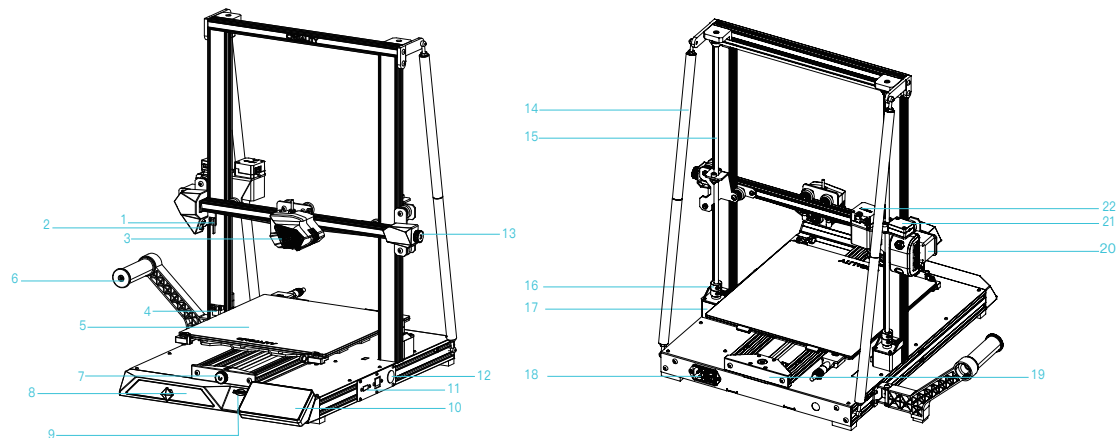
固件升级

请您登录官网<https://www.creality.com/download>，切换语言选择相关机型与型号，下载所需固件，安装完成后即可使用。

- 1 Do not use the printer any way other than described herein in order to avoid personal injury or property damage.
- 2 Do not place the printer near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, low-dust environment.
- 3 Do not expose the printer to violent vibration or any unstable environment, as this may cause poor print quality.
- 4 Please use recommended resin to in case damage of machine.
- 5 Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.
- 6 Please do not open the plastic cover during usage, otherwise the printing will be interrupted.
- 7 Do not wear cotton gloves when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.
- 8 Please wait a moment after the print is finished. And please wear gloves to take out the print by tools.
- 9 Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or wheels. Use glass cleaner or isopropyl alcohol to clean the print surface.
- 10 Children under 10 years should not use the printer without supervision.
- 11 This machine is equipped with a security protection mechanism. Do not manually move the nozzle and printing platform mechanism manually while booting up, otherwise the device will automatically power off for safety.
- 12 Users shall comply with related nation and region's laws, regulations and ethical codes where the equipment or regional laws, regulations and ethical codes where herein reffered product and produced prints by it is located.

- 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、少尘的环境下；
- 3 请勿将打印机放置在振动较大或者其他稳定的环境下，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 请勿在操作打印机工作时打开打印机面盖，以免影响打印；
- 7 请勿在操作打印机时戴棉手套，以防可动部件对人身造成卷入挤压和切割伤害；
- 8 在打印完毕后稍等片刻，戴上手套后再取下打印平台，借助工具将平台上的模型取下，清理时请勿直接用手触摸；
- 9 常用产品维护同，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及打印平台机构，否则设备会自动断电关机保护；
- 12 使用者应遵守打印产品与设备所在地及相应国家法律、法规，恪守职业道德，严禁使用我司产品打印有违设备打印产品与设备所在地及相应国家、地区法律禁止的任何产品或物件。

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1 X Limit Switch X限位开关

2 Spotlight 射灯

3 Nozzle Kit 喷头套件

4 Z-axis photoelectric switch
Z轴光电开关

5 Printing Platform 打印平台

6 Feeding holder components
料架组件

7 Y-axis belt adjusting knob
Y轴皮带调节旋钮

8 Tool Box 工具箱

9 SD Card Slot SD卡槽

10 LCD Screen 显示屏

11 Network Interface 网络接口

12 Switch control 开关控制

13 X-axis belt adjusting knob

X轴皮带调节旋钮

14 Pull rod 拉杆

15 Screw 丝杆

16 Coupling 联轴器

17 Z-axis motor (Z1) Z轴电机

18 Power outlet 电源插口

19 Y-axis Motor Y轴电机组件

20 X-axis Motor X轴电机

21 Filament Detector 断料检测

22 Extruder Motor 挤出电机组件

Basic Parameters 基本参数

Model 型号	CR-10 Smart
Printing Size 成型尺寸	300*300*400mm
Molding Tech 成型技术	FDM
Nozzle Number 喷头数量	1
Slice Thickness 切片层厚	0.1mm-0.4mm
Nozzle Diameter 喷嘴直径	Standard 0.4mm 标配0.4mm
Precision 打印精度	±0.1mm
Filament 打印材料	1.75mm PLA/ABS/TPU/PETG/Wood 木材
File Format 切片支持格式	STL/OBJ/AMF
File Transfer 打印方式	USB/Storage card 联机或存储卡脱机
Slice Software 可兼容切片软件	Creality Slicer/Cura/Repetier-Host/Simplify3D
Power Supply 额定电压	Input 输入:AC100-240V 50/60Hz Output 输出:DC 24V
Total Power 额定功率	350W
Bed Temp 热床最高温度	≤100°C
Nozzle Temp 喷嘴最高温度	≤260°C
Resume Printing 断电续打	Yes 支持
Filament Detector 断料检测	Yes 支持
Dual Z-axis 双Z轴	Yes 支持
Auto Leveling 自动调平	Yes 支持
Language 语言	中文/ English/Español/Deutsch/Français/Русский язык/Brasileiro/Italiano/Türkçe
Printing Speed 打印速度	80-100mm/s

3. Package Content 零件清单

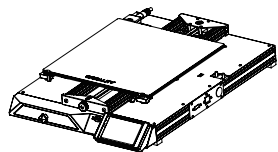


Tool list 工具包清单

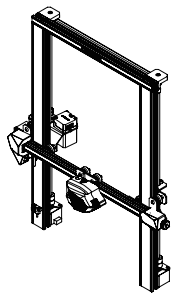


Tips: the above accessories are for reference only, please refer to the physical accessories! 注意：以上配件仅供参考，请以实物为准！

4. Install the Gantry Frame 安装龙门架



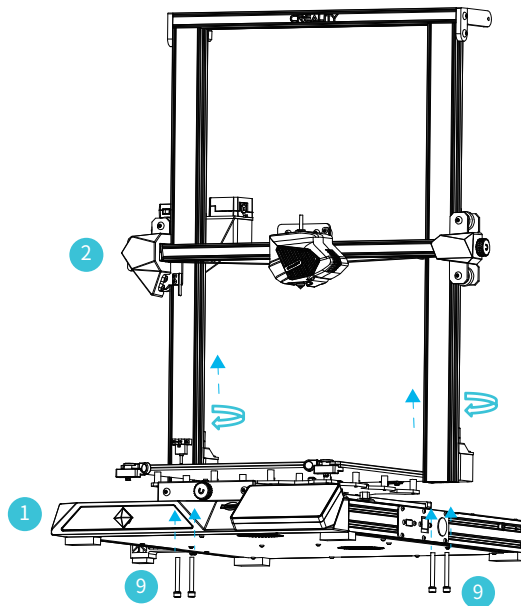
1 Base Frame | 底座 x 1



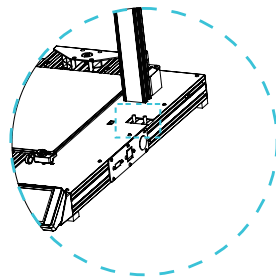
2 Gantry Frame | 龙门架 x 1



9 M5x45 Sems Screw x4
M5x45组合螺丝



Twist the coupling to raise the X axis to the position as picture shown.
拧动联轴器使X轴上升到如图所示位置。

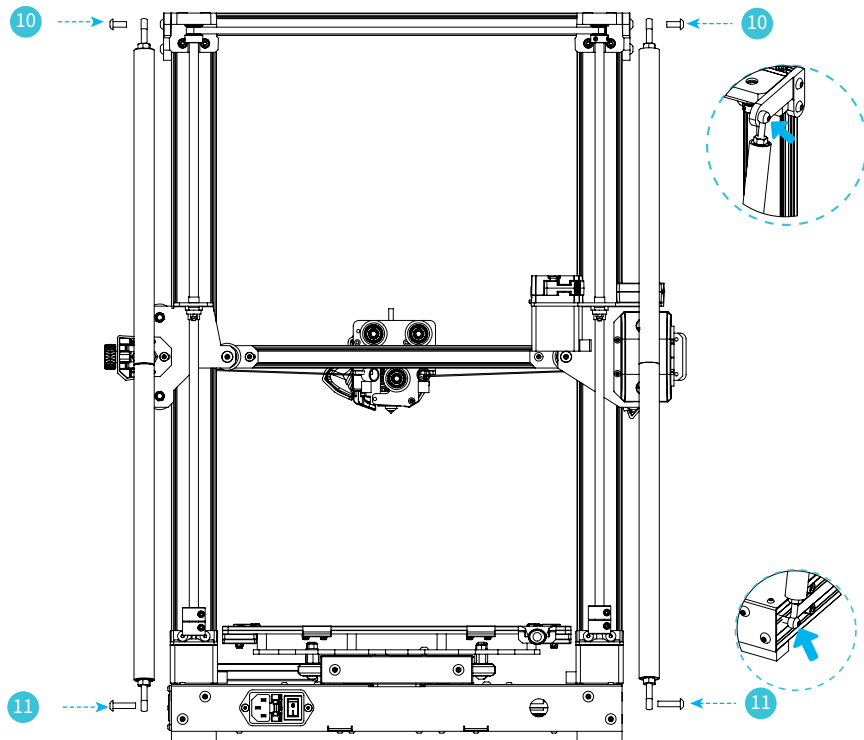


Two Z-axis profiles, installed on the inner step of the Y-axis bottom profile.
两根Z轴型材，靠Y轴底部型材内侧台阶安装。

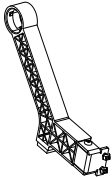
5. Pull Rod Installation 拉杆安装

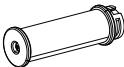
Adjust the proper length of assembled pull rod and install in the position shown in the figure
拉杆组装调节到合适的长度，安装在图示位置

- 
10 M5×12 Hexagon flat round head screw x2
M5x12 内六角平圆头螺丝
- 
11 M5x20 Hexagon flat round head screws x2
M5x20 内六角平圆头螺丝



6. Install the Rack 安装料架

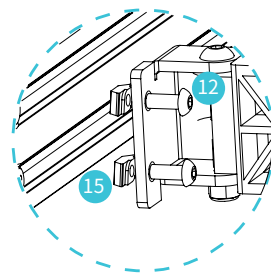
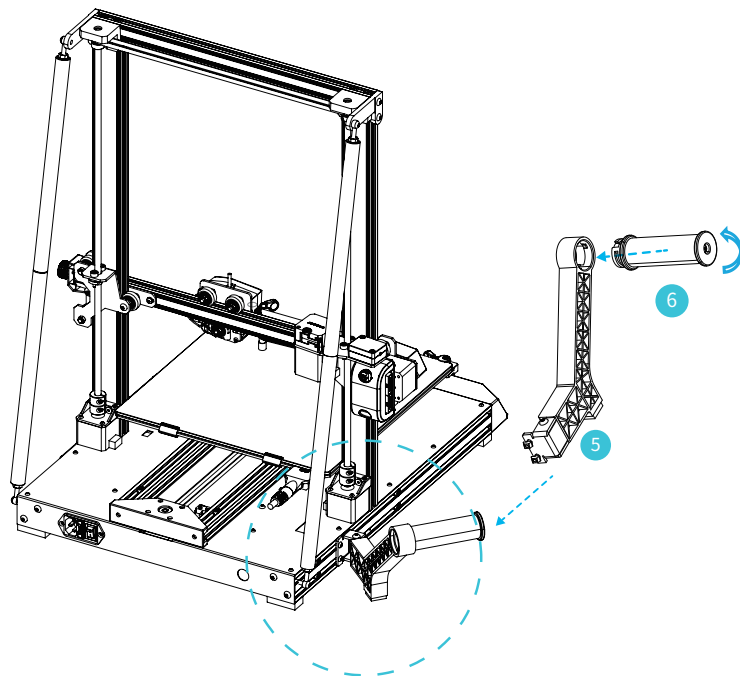
- 

5 Rack | 料架 x 1
- 

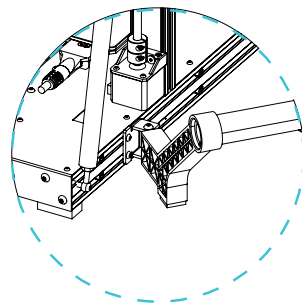
6 Spool | 料管 x 1
- 

12 M5x10 Hexagon flat round head screws x2
M5x10内六角平圆头螺丝
- 

15 M4T Nut x2
M4T型螺母



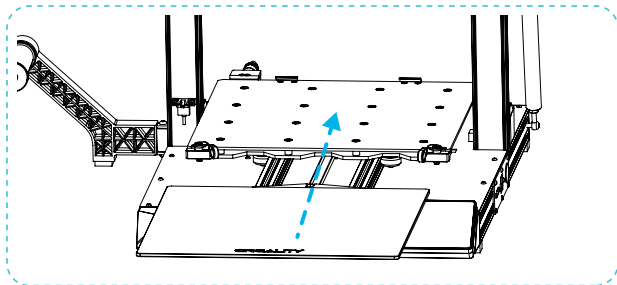
Y-axis bottom profile
Y轴底部型材



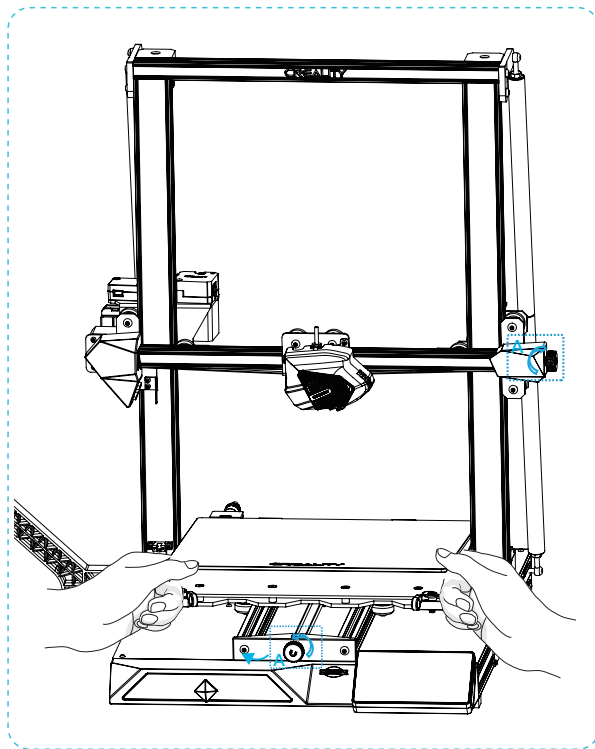
The material rack can be installed in different positions on the front and back of the Z axis, and can be folded.
料架可在Z轴前、后不同位置安装,可折叠。

7. Install Limit switch for Z axis 安装Z轴限位开关

Easier to replace the platform and adjust the belt
更换平台更容易，调节皮带更方便



1. Rotate the glass pick-and-place handleplate for platform replacement.
1. 转动玻璃取放手柄压板可进行平台更换。
2. Then manually turn the knob to the appropriate tightness to avoid belt breakage. (as shown in figure A, three places)
2. 然后手动将旋钮左右拧到适合松紧度，过紧容易造成皮带崩断。（如图所示A三处）



Cable Connection 设备接线

1 Connect the 15pin port to the nozzle adapter board as shown in the figure 按图示15pin端口连接喷头转接板

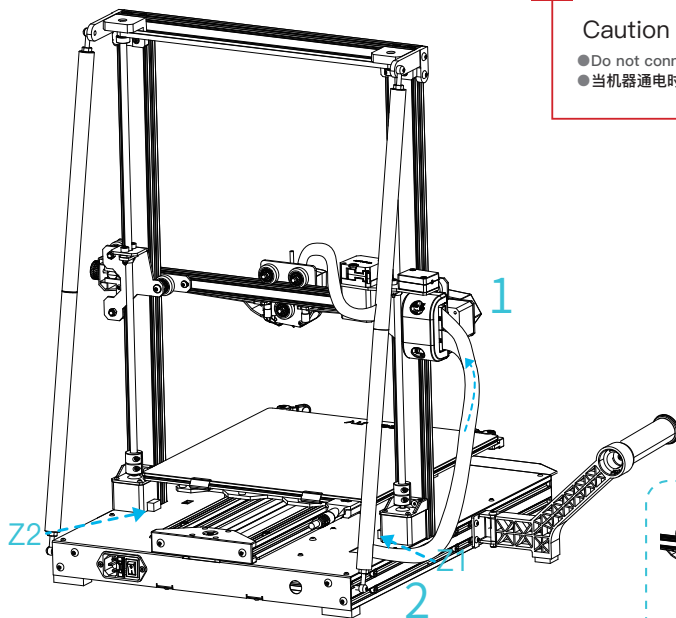
2 Connect Z-axis motor cable 连接Z轴电机线

3 Connect the photoelectric switch wire 连接光电开关线

4 Connect the power cord 连接电源线

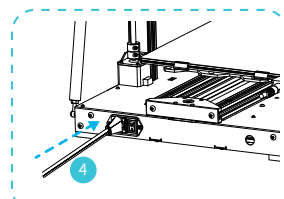
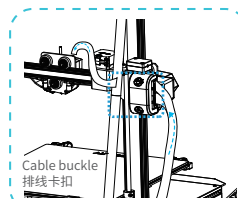
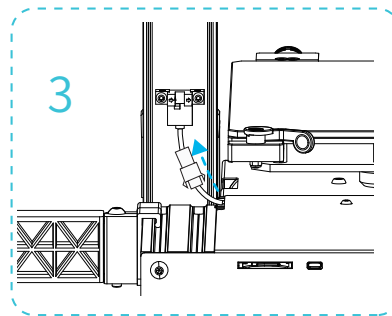


4 Power Cord | 电源线 x 1



Caution

- Do not connect or disconnect the cables when the machine is powered on.
- 当机器通电时，请勿连接或断开连接线。



9. Bed Leveling 调平平台

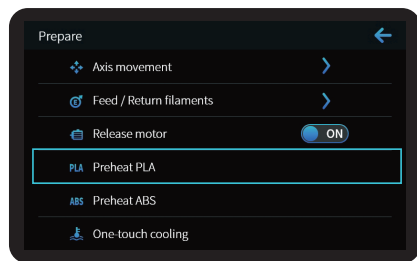
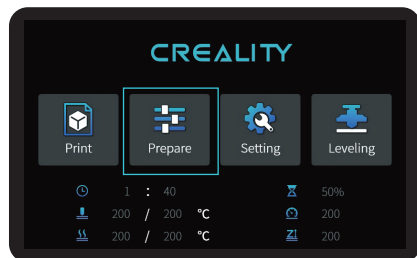
1. Select "Level" to automatically level
选择首页调平, 即可自动调平
2. After the leveling is completed, adjust the Z-axis compensation value according to the adhesion of the printing consumables and the glass
调平完成后, 依据打印耗材与玻璃平台的粘附情况, 适当调节Z轴补偿值



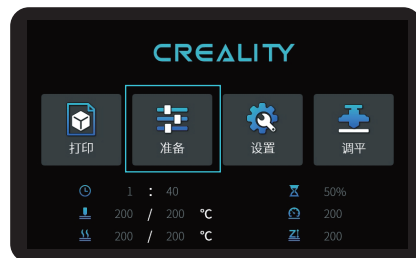
During the leveling process, please do not touch the Teflon tube and nozzle cable.
调平过程中, 请不要触碰铁氟龙管及喷头排线。

10. Preheating Method 预热方法

Method 1



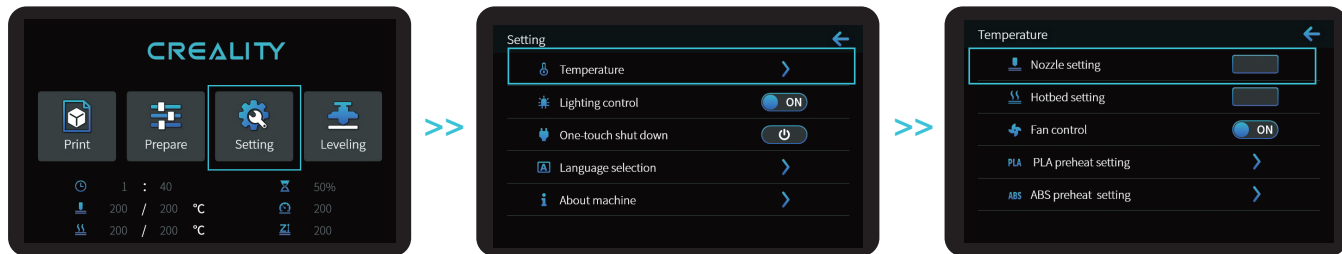
方法1



Notes: The UI information is only for reference, the actual UI may be different.
注意：界面仅供参考，实际以UI为准。

10. Preheating Method 预热方法

Method 2



方法2

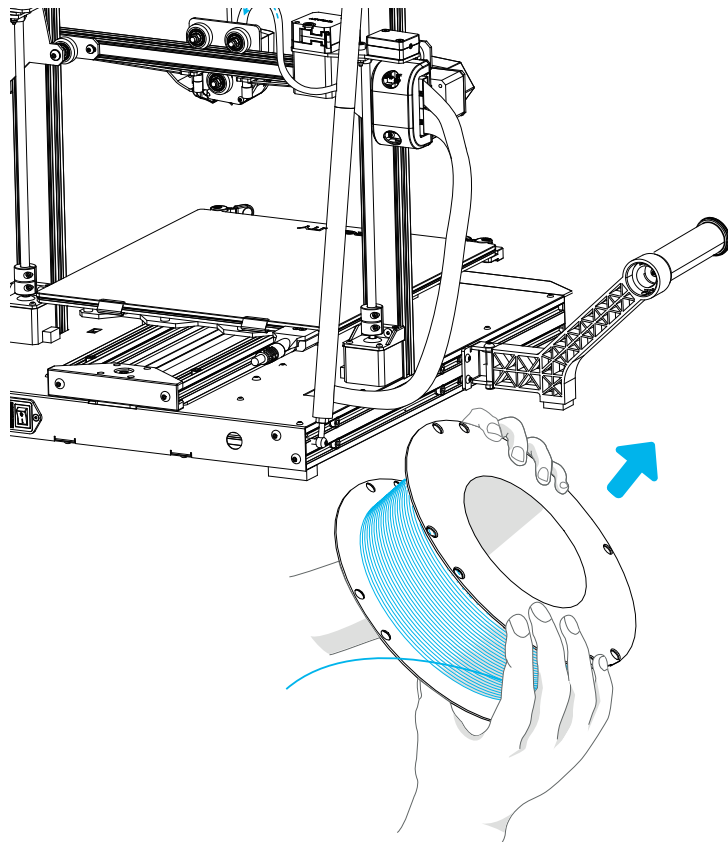


Notes: The print preheating standard is adjusted at the factory, PLA preheating standard: nozzle temperature 200 °, hot bed temperature 60 °, ABS preheating standard: nozzle temperature 240 °, hot bed temperature 70 °. If you need to adjust it due to printing materials or other reasons, you can adjust the parameters on the interface home page control → temperature → PLA / ABS preheat setting.

注意：打印预热参数标准出厂时已调整好，PLA预热标准：喷嘴温度200°，热床温度60°，ABS预热标准：喷嘴温度240°，热床温度70°。若因打印材料或其他原因需要调整，可以在界面首页控制→温度→PLA/ABS预热设置进行参数调整。

11. Load Filament 装料

When you wait for the temperature to rise, hang the filament over the Filament Holder.
当您等待温度上升时，把耗材挂在料架上。



For loading filament smoothly, the end of the filament should be placed as shown above.
为了顺利完成装料，耗材的末端位置应如图所示。



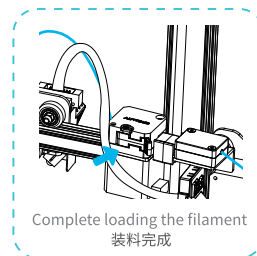
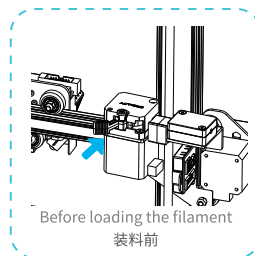
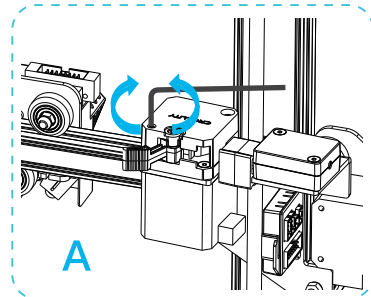
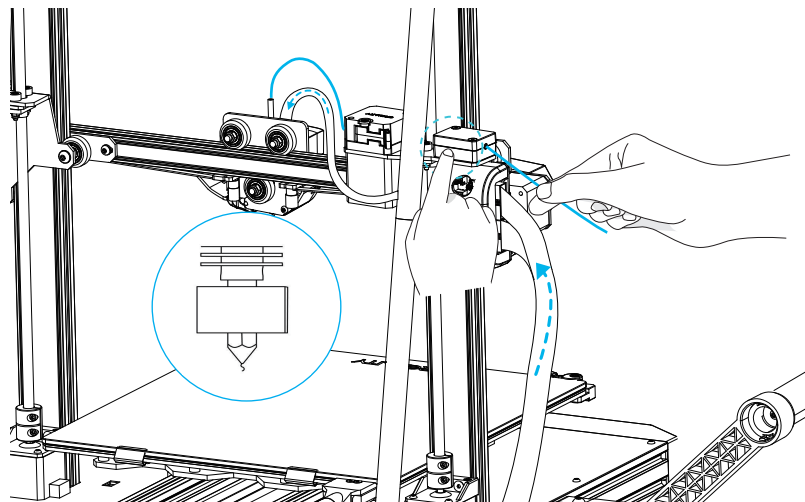
11. Load Filament 装料

When the current temperature reaches the target temperature, the consumables pass the material breakage detection, and are inserted into the small hole of the extruder until the position of the nozzle. If the consumables flow out at the nozzle, it means that the consumables have been loaded.

Method of adjusting the tightness of the extrusion spring: Arrow to right is tightening, arrow to left is loosen. (As shown in figure A)

当前温度达到目标温度时，将耗材通过断料检测，插入挤出机小孔直至喷嘴位置，看到喷嘴处有耗材流出即表示耗材已经装载完成。

调节挤出弹簧松紧度方法：箭头往右调松 往左调紧（如图A所示）



Tips: How to replace the filament?

1. Cutting filament near the Extruder and slowly feed new filament until they are fed into the new filament.

2. Withdrawing the filament quickly and feeding the new filament after nozzle preheated and filament pushed a little forward.

Tips: 如何更换耗材?

方法一、在靠近挤出机处将耗材剪断，将新耗材缓缓送入，直到耗材被送入导料管为止。

方法二、预热喷嘴后，将耗材往前推进一下后，迅速抽出耗材，将新耗材送入。

12. WiFi Printing WiFi 打印



1.Download
1. 下载



2.Register
2. 注册



3.Log in
3. 登录



4. Scan QR Code
4. 扫一扫



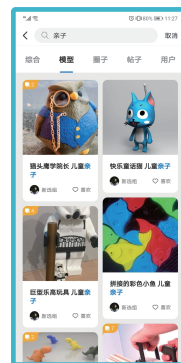
5.Add equipment
5. 新增设备



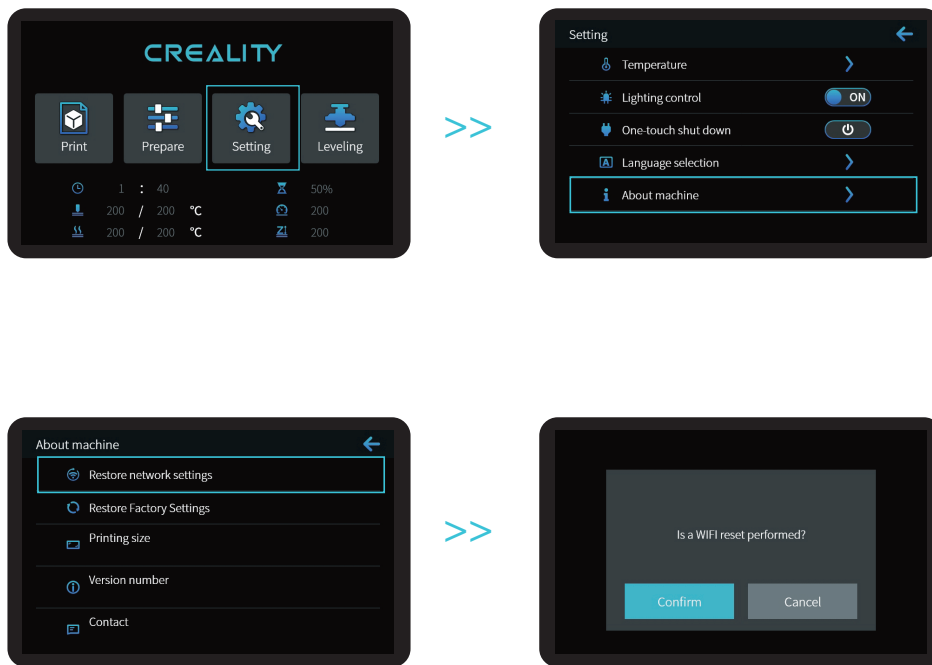
6. Setting
6. 设置



7.Connect WiFi
7. 连接WiFi



8.Select print model
8. 选择打印模型



Notes: The UI information is only for reference, the actual UI may be different.

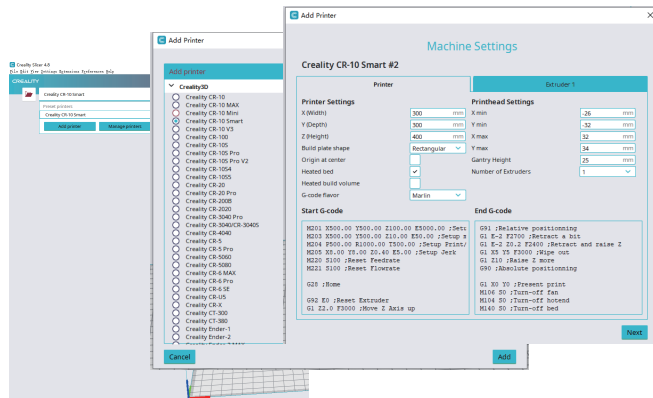


注意：界面仅供参考，实际以UI为准。

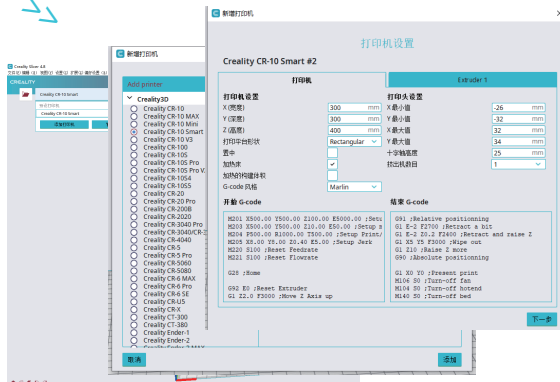
13. Start Printing 开始打印



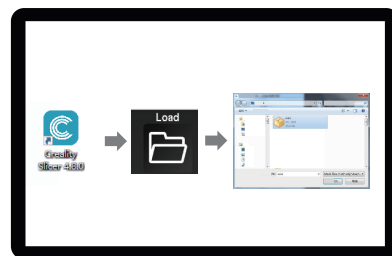
1. Double click to install the software. | 安装软件
2. Double click to open the software. | 打开软件



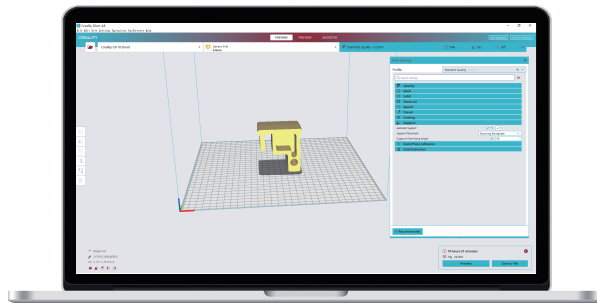
3. Select language→Next→Select your machine→Next→Finish.



3.依次选择语言→Next→选择对应机型→Next→Finish,完成设置.



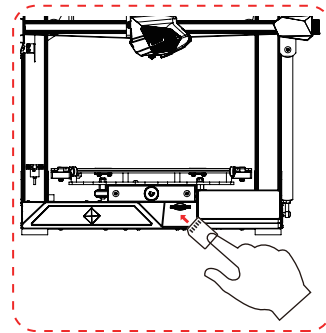
4. Open Creality 3D slicer → Load (Read file) → Select file.
打开创想三维切片软件→Load (读取文件)→选择文件。



5.Generate G-code, and save the gcode file to storage card.
生成 G 代码→保存到存储卡



File names must be Latin letters or numbers, not Chinese characters or other special symbols
文件名需为拉丁字母或数字, 不能为汉字或其他特殊符号



6.Insert the storage card→ Click print control→ Select the file to be printed.
插入存储卡→点击打印控件→选择要打印的文件

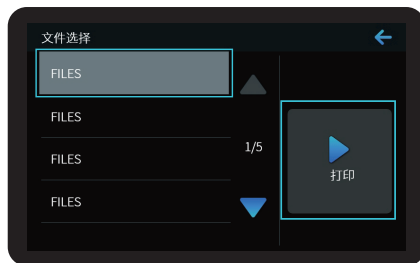
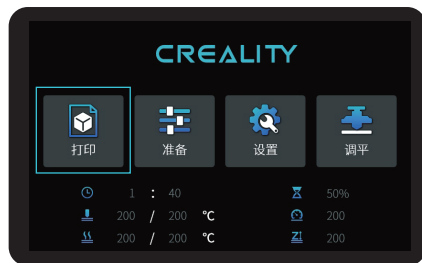
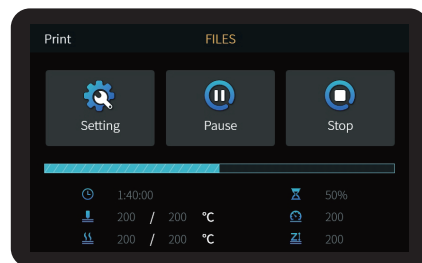
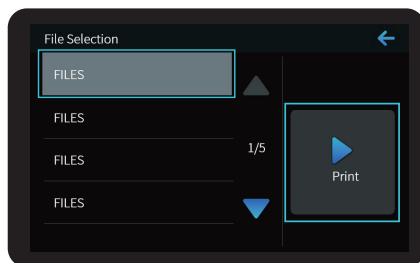
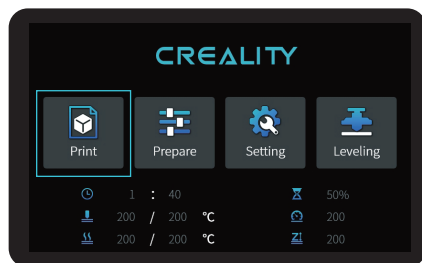


Notes: For details on the software instructions, please refer to the slicing software manual in the memory card!
温馨提示: 软件使用说明详情, 请见存储卡内切片软件使用手册!

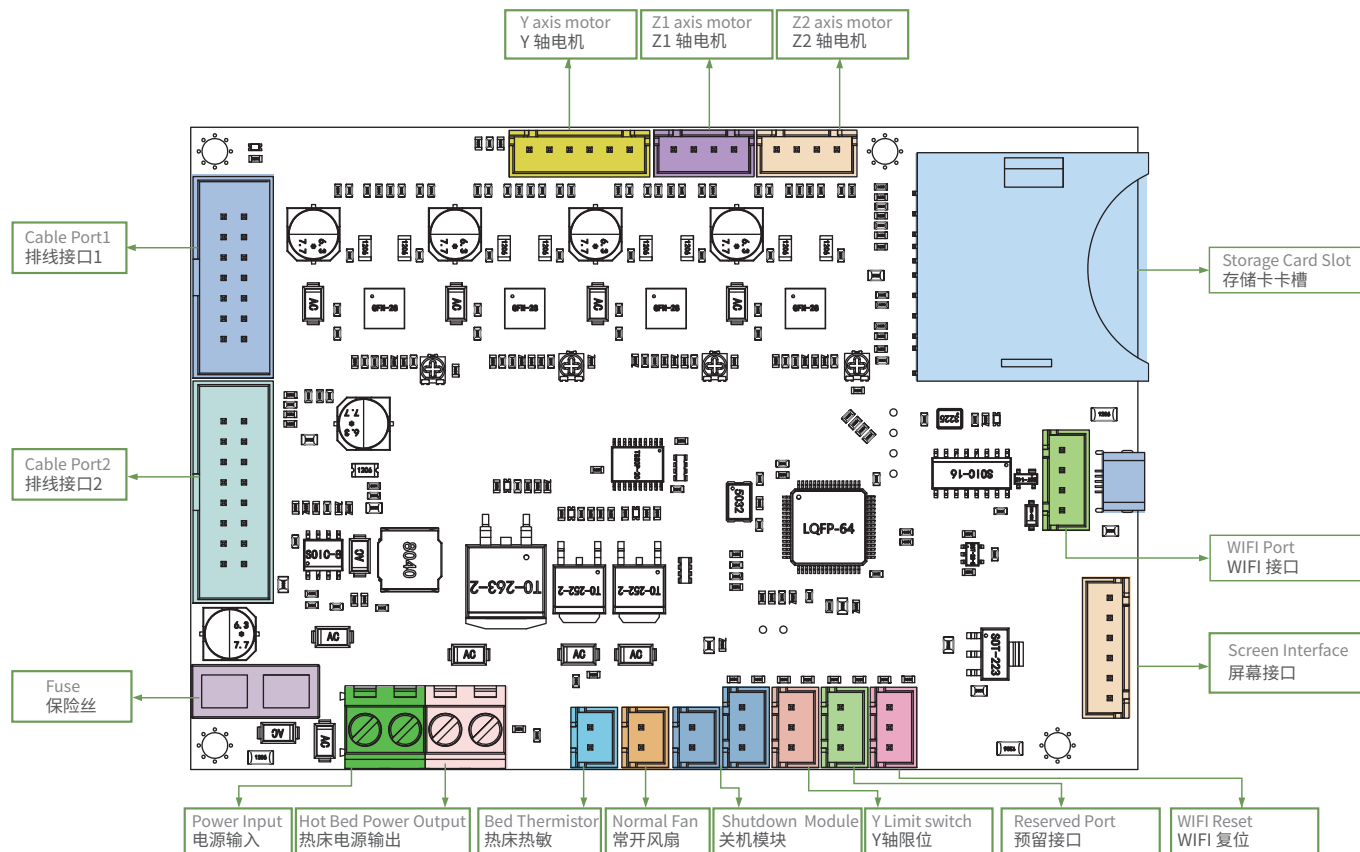


Warning: Please don't insert or remove TF card or SD card during printing.
警告: 在打印过程中, 禁止插拔TF卡或SD卡。

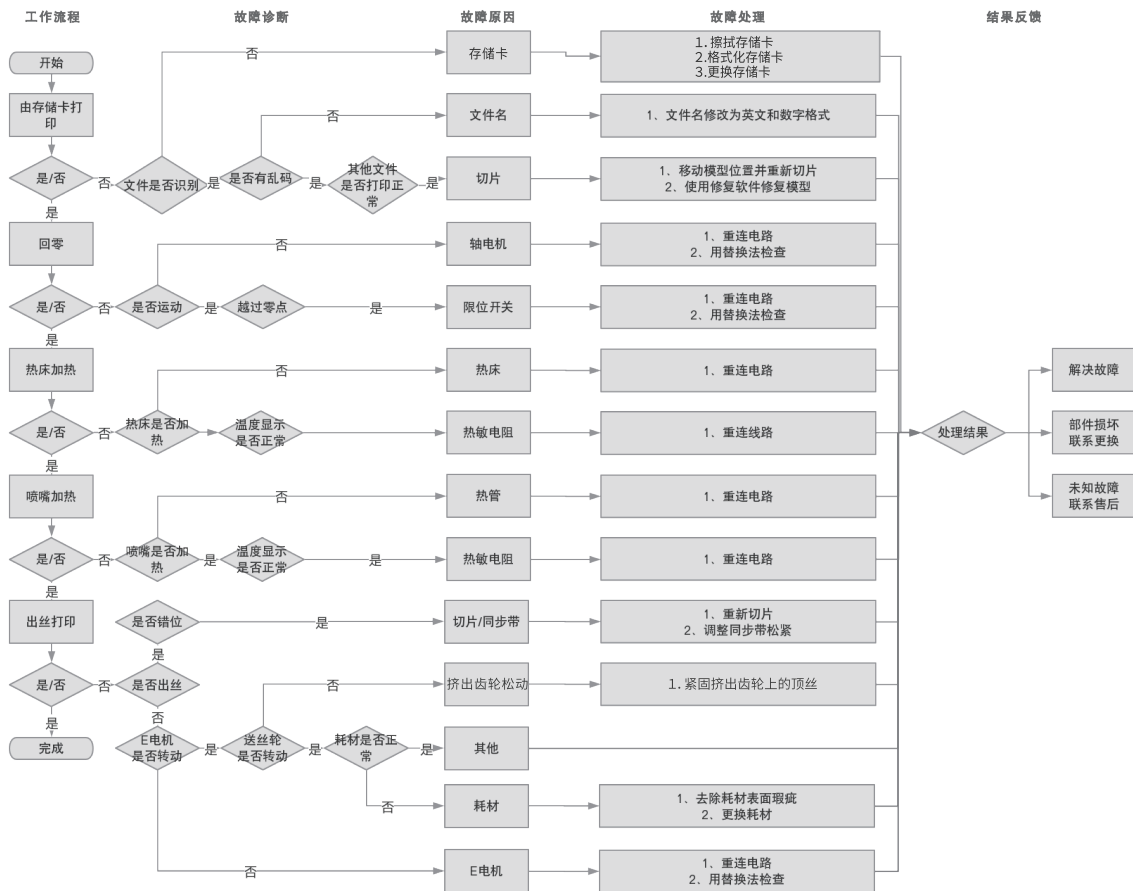
13. Start Printing 开始打印



14. Circuit Wiring 电路接线







FDM 3D PRINTING FILAMENTS



HP-PLA

Upgraded environmentally friendly formula, matte effect, high toughness, and fine printing. The raw materials are imported from the United States, besides, there are rich colors for customers to choose.

CR-PLA CR-ABS
CR-PETG CR-TPU

Targeting at mid-end users, CR series is with transparent tray plus black-white color box design. Its slight tolerance in wire diameter contributes to stable printing quality. CR series meets your demands of daily design and prototype making.

HC-PLA HC-ABS
HC-PETG HC-TPU

HC series is cost-efficient. It's widely applicable to general FDM printer product designs on the market to meet your daily design and different prototyping needs.

EN-PLA EN-ABS
EN-PETG EN-TPU

Ender series is widely applied to general FDM printer design, which meet customers' needs of daily design and different prototyping needs.

3D PRINTER UV SENSITIVE RESIN

Standard Resin

Low shrinkage, fast printing speed, almost odorless, and it's equipped with rigidity and toughness, suitable for printing common product prototypes and display models, that's also highly compatible with LCD printers.

Low Odor Resin

Low odor, high precision, detail textures are very expressive. Good fluidity, high printing success rate. Rich colors, to meet the customer's color needs, preferred for animation manual, craft furnishing industry, etc..

ABS Like Resin

With high hardness, high toughness of physical properties and strong impact resistance, it can be directly drilled on the finished models, mainly used in industrial prototype and other fields.

Dental Cast Resin

Low shrinkage, due to the low shrinkage characteristics, the size is more accurate. It's not easy to deform under pressure after molding. Used for making porcelain teeth.

Elastic Resin

Elastic Resin features good elasticity after high-strength extruding or stretching, widely applied to damping and contacting surfaces, etc., preferred to be used by people full of originality and ideas in design.

Water Washable Resin

The model can be washed with water directly, and it's safe, environmentally friendly, with high surface accuracy, short cleaning time and low material cost. Water Washable Resin is currently one of the favorite new materials for schools, educational institutions and printing enthusiasts.

Dental Mode Resin

The surface hardness is extremely high, scratch-resistant, and has low shrinkage characteristics. It is mainly used in dental implant restoration and invisible braces printing in medical dentistry.

Toughness Resin

Toughness Resin is a medium-hard, wear-resistant, and repeatedly stretchable material. It is used in parts which need to be repeatedly stretched in friction devices.

High Temperature Resin

High Temperature Resin is mainly used in making high temperature rubber molds, which can withstand temperatures of about 200°C without cracking and maintain good strength, stiffness and thermal stability.

Jewelry Cast Resin

Widely applied to jewelry industry. Excellent combustion performance, low expansion coefficient, combustion without residue. Forming process is stable without deformation. The finished product has smooth surface and high precision.

17. UV sensitive resin parameter information

Related Parameters	Standard Resin	ABS Like Resin	Dental Cast Resin	Elastic Resin	Water Washable Resin	Dental Mode Resin	Toughness Resin	High Temperature Resin	Jewelry Cast Resin
Viscosity	150-250MPa·s (NDJ-8S Rotational Viscometer (25°C))	200-350MPa·s (NDJ-8S Rotational Viscometer (25°C))	50-170MPa·s (NDJ-8S Rotational Viscometer (25°C))	300-1000MPa·s (NDJ-8S Rotational Viscometer (25°C))	100-350MPa·s (NDJ-8S Rotational Viscometer (25°C))	150-300MPa·s (NDJ-8S Rotational Viscometer (25°C))	150-300MPa·s (NDJ-8S Rotational Viscometer (25°C))	150-300MPa·s (NDJ-8S Rotational Viscometer (25°C))	100-150MPa·s (NDJ-8S Rotational Viscometer (25°C))
Absorption Band	355nm-410nm	355nm-410nm	355nm-410nm	385nm-410nm	385nm-410nm	355nm-410nm	355nm-410nm	355nm-410nm	355nm-410nm
Liquid Density	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.13g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.25g/cm ³ (Density meter (25°C))	1.05-1.13g/cm ³ (Density meter (25°C))
Flexural Modulus	1.882-2.385Mpa	1.192-2.525Mpa	1.192-2.525Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.192-2.525Mpa
Bending Strength	59-70MPa	68-80MPa	49-58MPa	40-70MPa	40-70MPa	59-70MPa	40-70MPa	59-70MPa	49-58MPa
Heat Distortion Temperature	80°C	80°C	75°C	80°C	80°C	80°C	80°C	220°C	65°C
Thermal Expansion Coefficient	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6
Volume Shrinkage	3.72-4.24%	3.72-4.24%	1.88-2.45%	3.72-4.24%	3.72-4.24%	1.56-1.95%	3.72-4.24%	3.72-4.24%	4.06-5.08%
Linear Shrinkage	1.05-1.35%	1.05-1.35%	0.8-1%	1.05-1.35%	1.05-1.35%	0.85-1.05%	1.05-1.35%	1.05-1.35%	1.05-1.35%
Tensile Strength	36-52MPa	42-62MPa	42-62MPa	30-52MPa	30-52MPa	42-62MPa	30-52MPa	36-52MPa	42-62MPa
Tensile Modulus	1.779-2.385MPa	1.86-2.645MPa	1.86-2.645MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.86-2.645MPa
Elongation at Break	11%-20%	11%-21%	11%-20%	200%	120%	11%-20%	130%	11%-20%	11%-20%
Shore Hardness	84D	75-80D	80-88D	20-30D	80-85D	82D	65-75D	86D	65D
Glass Transition Temperature	100°C	100°C	78°C	100°C	100°C	100°C	100°C	100°C	78°C
Solid Density	1.05-1.25g/cm ³	1.05-1.13g/cm ³	1.05-1.13g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.13g/cm ³
Notched Impact Strength	44-49J/m ²	60-80J/m ²	44-49J/m ²	41-48J/m ²	41-48J/m ²	41-49J/m ²	41-48J/m ²	44-49J/m ²	44-49J/m ²

18. Filaments Parameter Information

Material		Print Temp (°C)	Bed Temp (°C)	Difficulty	Flexibility	Shrinkage	Ductility	Applicable Models
PLA Series	HP-PLA	190-220	50-60	●	●●	●	●●●	Suitable for 99% FDM models
	HP-PLAx3	190-220	50-60	●	●●	●	●●●	Suitable for 99% FDM models
	CR-PLA	190-220	50-60	●	●●	●	●●●	Suitable for 99% FDM models
	HC/EN-PLA	190-220	50-60	●	●●	●	●●	Suitable for 99% FDM models
ABS		220-260	90-110	●●●●	●●	●●●	●●●	Hot bed is needed, and Creality printer enclosure is recommended for DIY machine
PETG		230-250	60-100	●●●	●●	●●	●●●	Hot bed is needed, and Creality printer enclosure is recommended for DIY machine
TPU		210-240	50	●●	●●●●●	●	●●●●	Direct extrusion models
Silk		190-220	50-60	●	●●	●	●●	Suitable for 99% FDM models
Nylon		230-260	80-90	●●●●●	●●●	●●●●	●●●●	Hot bed is needed, and Creality printer enclosure is recommended for DIY machine
Carbon (Ordinary type)		190-220	50-60	●	●	●	●●	Suitable for 99% FDM models
PDS Advertising word filament-PLA		190-220	50-60	●	●●	●	●●	Creality K5, K8, T5
Low temperature filament-PCL		60-100	-	●	●●●	●	●●●●	Low temperature 3D printing pen



Creality Web



Creality Cloud

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HP-PLA

升级环保配方,哑光效果,韧性高,打印细腻,原料源自美国,有丰富的颜色可选。

CR-PLA
CR-ABS CR-PETG
CR-TPU

定位中高端用户,透明盘+黑白彩盒设计,线径公差小,打印性能稳定。可以满足您日常的设计和原型制作需求。具有出色的机械性能和打印质量。

HC-PLA
HC-ABS HC-PETG
HC-TPU

高性价比,广泛适用市面上通用型FDM打印机,并可以按照您的需求量量身定制,可以满足您日常的设计和不同的原型制作需求。

EN-PLA
EN-ABS EN-PETG
EN-TPU

广泛适用市面上通用型FDM打印机,并可以按照您的需求量量身定制,可以满足您日常的设计和不同的原型制作需求,让想象插上翅膀。

光敏树脂

刚性树脂

低收缩率、打印速度较快,低味无毒,具备刚性和韧性。适合打印普通的产品原型及展示模型,高度兼容LCD型打印机。

低气味刚性树脂

低气味,高精度,细节纹理表现力佳。流动性好,打印成功率高。色系丰富,可满足客户对颜色的需求,适用于动漫手办,工艺摆设等。

类ABS树脂

具有高硬度,高韧性的物理性能,且抗冲击能力强,可以在模型成品上直接攻牙钻孔,主要应用于工业手板等领域。

可铸造牙冠树脂

具备低收缩率的特性,尺寸更加精准。成型后硬度高,遇到压力挤压不易变形。适用于制作烤瓷牙。

弹性树脂

弹性树脂是在高强度挤压和反复拉伸下表现出优秀弹性的材料,这种新材料可应用于减震、接触面,和其他工程应用。适合有趣创意的实现。

水洗树脂

模型可直接用水冲洗,安全环保干净,表面精度高,清洁的时间和材料成本低,是目前学校、教育机构及打印爱好者的喜欢的新材料之一。

牙模树脂

表面硬度极高,耐刮,具有低收缩特性,主要应用于医疗齿科的牙模种植修复以及隐形牙套打印制作等。

柔性树脂

柔性树脂是一种中等硬度、耐磨、可反复拉伸的材料。这种材料被用于摩擦装置需要反复拉伸的零部件中。

压模树脂

压模树脂主要应用于饰品的高温橡胶翻模,能承受200℃左右的温度不开裂,并能保持良好的强度,刚度和热稳定性。

可铸造首饰树脂

广泛应用于珠宝行业。燃烧性能优良,膨胀系数小,燃烧无残留。成型过程稳定不变形,成品表面光滑,精度高。

20.光敏树脂种类参数信息

相关参数	刚性树脂	类ABS树脂	可铸造牙冠树脂	弹性树脂	水洗树脂	牙模树脂	柔性树脂	压模树脂	可铸造首饰树脂
粘度	150-250MPa·s (NDJ-8S 旋转粘度仪(25°C))	200-350MPa·s (NDJ-8S 旋转粘度仪(25°C))	50-170MPa·s (NDJ-8S 旋转粘度仪(25°C))	300-1000MPa·s (NDJ-8S 旋转粘度仪(25°C))	100-350MPa·s (NDJ-8S 旋转粘度仪(25°C))	150-300MPa·s (NDJ-8S 旋转粘度仪(25°C))	150-300MPa·s (NDJ-8S 旋转粘度仪(25°C))	150-300MPa·s (NDJ-8S 旋转粘度仪(25°C))	100-150MPa·s (NDJ-8S 旋转粘度仪(25°C))
吸收波段	355nm-410nm	355nm-410nm	355nm-410nm	385nm-410nm	385nm-410nm	355nm-410nm	355nm-410nm	355nm-410nm	355nm-410nm
液体密度	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.13g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.25g/cm ³ (密度计(25°C))	1.05-1.13g/cm ³ (密度计(25°C))
弯曲模量	1.882-2.385Mpa	1.192-2.525Mpa	1.192-2.525Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.882-2.385Mpa	1.192-2.525Mpa
弯曲强度	59-70MPa	68-80MPa	49-58MPa	40-70MPa	40-70MPa	59-70MPa	40-70MPa	59-70MPa	49-58MPa
热变形温度	80°C	80°C	75°C	80°C	80°C	80°C	80°C	220°C	65°C
热膨胀系数	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6	95*E-6
体积收缩率	3.72-4.24%	3.72-4.24%	1.88-2.45%	3.72-4.24%	3.72-4.24%	1.56-1.95%	3.72-4.24%	3.72-4.24%	4.06-5.08%
线收缩率	1.05-1.35%	1.05-1.35%	0.8-1%	1.05-1.35%	1.05-1.35%	0.85-1.05%	1.05-1.35%	1.05-1.35%	1.05-1.35%
拉伸强度	36-52MPa	42-62MPa	42-62MPa	30-52MPa	30-52MPa	42-62MPa	30-52MPa	36-52MPa	42-62MPa
拉伸模量	1.779-2.385MPa	1.86-2.645MPa	1.86-2.645MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.779-2.385MPa	1.86-2.645MPa
断裂拉伸应变	11%-20%	11%-21%	11%-20%	200%	120%	11%-20%	130%	11%-20%	11%-20%
邵氏硬度	84D	75-80D	80-88D	20-30D	80-85D	82D	65-75D	86D	65D
玻璃化温	100°C	100°C	78°C	100°C	100°C	100°C	100°C	100°C	78°C
固体密度	1.05-1.25g/cm ³	1.05-1.13g/cm ³	1.05-1.13g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.25g/cm ³	1.05-1.13g/cm ³
缺口冲击强度	44-49J/m ²	60-80J/m ²	44-49J/m ²	41-48J/m ²	41-48J/m ²	41-49J/m ²	41-48J/m ²	44-49J/m ²	44-49J/m ²

21. 线材种类参数信息

材质		打印温度 (°C)	热床温度 (°C)	打印难度	柔软度	收缩率	韧性	适用机型
PLA 系列	HP-PLA	190-220	50-60	●	●●	●	●●●	适配99%FDM机型
	HP-PLAx3	190-220	50-60	●	●●	●	●●●	适配99%FDM机型
	CR-PLA	190-220	50-60	●	●●	●	●●●	适配99%FDM机型
	HC/EN-PLA	190-220	50-60	●	●●	●	●●	适配99%FDM机型
ABS		220-260	90-110	●●●●●	●●	●●●	●●●	需要热床, DIY机推荐使用Creality保温罩
PETG		230-250	60-100	●●●	●●	●●	●●●	需要热床, DIY机推荐使用Creality保温罩
TPU		210-240	50	●●	●●●●●●	●	●●●●	近端挤出机型
Silk		190-220	50-60	●	●●	●	●●	适配99%FDM机型
Nylon		230-260	80-90	●●●●●	●●●	●●●●	●●●●	需要热床, DIY机推荐使用Creality保温罩
Carbon (普通型)		190-220	50-60	●	●	●	●●	适配99%FDM机型
广告字耗材-PLA		190-220	50-60	●	●●	●	●●	Creality K5、K8、T5
低温打印笔耗材-PCL		60-100	-	●	●●●	●	●●●●	低温打印笔



创想官网



创想云

深圳市创想三维科技有限公司

地址: 深圳市龙华区民治街道新牛社区梅龙大道锦绣鸿都大厦18楼

公司网站: www.cxsw3d.com

服务热线: 400 6133 882 0755-8523 4565

www.creality.com

vip.creality.com



Warranty Policy ←

- 1-year Limited Warranty since the date of product purchase.
- 6-months Limited Part Warranty for UV light.
- 3-months Limited Part Warranty for 2K Screen.
- No Warranty for the Release Film and Product Gift (U disk, Gloves, Screwdriver, Paper funnel, Brush, etc.)

Hotline:+86 755-85234565

What Is Covered? ←

Any defects in material, workmanship of product will be covered until you provide any relating documents and information, including but not limited to:

- User of the product are in the country of purchase
- Defective product is a CREALITY product
- Proof of Purchase

What Is Not Covered? ←

CREALITY does not guarantee the service as a result of:

1. The proof of purchase being altered or made illegible.
2. The product label or serial number on the product being altered or made illegible.
3. Normal wear of accessories or consumables for use as release film.
4. Malfunction or damage caused by personal retrofitting, or improper installation and usage.
5. Malfunction or damage caused by use in non-recommended working environments.
6. Malfunction or damage caused by overuse (overload) or wrong maintenance (damp, mildew, etc.)
7. Malfunction or damage caused by Force Majeure (fire hazard, earthquake, lightning and floods, etc.)
8. Malfunction or damage caused by the use of other brand parts or consumable.

Technical Support ←

Please enjoy our technical support of the whole lifetime (Except technical problem beyond product itself) after purchase the product while product documents as user manual attached in U disk for instruction.

Please provide product Serial Number when apply for technical support.

Kindly Notification ←

Please read the user manual and warranty card carefully before the use.

For any service, Please priorly contact local seller or contact us via
Email: cs@creality.com for support.

退/换货政策 <

一、满足退/换货时间

- ① 电商平台购买支持7天无理由退货，即产品签收时间起算，满168小时为7天。
- ② 因机器品质问题，非人为损坏的情况，签收后15天内可申请退换货。
- ③ 如另通过合同购买且有签订退换货时间的以合同为准，运费标准以售后服务卡为准。

二、产品外观要求无损伤、划痕、污迹、裂纹、变形等；随机配件、工具、赠品、包装等要求齐全完好。经我司售后检测判定，如退/换货收到的产品外观损坏，配件不全或因未按照原包装打包邮寄导致的问题，客户需承担相应的费用，具体损耗及费用需寄回后经专业售后人员进行检测核算。

三、非质量问题退/换货，如使用了耗材，客户需承担耗材的费用；由于包装纸盒或打包木架返厂后是无法二次使用的，因此客户需承担包装费；具体损耗及费用需寄回后经专业售后人员进行检测核算。

四、因不喜欢、不想要、拍错、使用不当、不满意产品等原因造成的退换货，退回运费需客户自行承担。

五、换货时，客户需先将机器寄回，公司收到机器后会及时安排发货。

退/换货运费标准 <

类型	分类	寄回运费	出库运费
换货	非品质问题	客户承担	公司承担
	品质问题	公司承担	公司承担
退货	非品质问题	客户承担	/
	品质问题	公司承担	/

保修政策 <

一、质保期

- ① 整机保修一年。
- ② UV灯保修六个月，2K屏保修三个月。
- ③ 离型膜、赠品（U盘、螺丝刀、手套、油漆刷、纸漏斗、铲刀等）无保质期。收到产品后，请核对说明书部件清单，如赠品有缺少或品质问题，7天内可联系售后申请补发或更换。

二、质保期内保修：经我司售后检测判定为品质问题，公司提供免费维修服务；如果是人为导致的非品质问题，客户需承担相应更换的配件费用，无需承担维修费。

三、质保期外维修：由客户承担维修过程中产生的人工费、配件费、包装费、来回运费等所有费用。

返厂维修运费标准 <

类型	返厂时间	返厂运费	出库运费
非品质问题	三个月以内	客户承担	公司承担
	三个月以上	客户承担	客户承担
品质问题	一个月以内	公司承担	公司承担
	一至三个月	客户承担	公司承担
	三个月以上	客户承担	客户承担

下列情况不列入质保范围 <

- ① 无法提供有效的机器制造编码、购买凭证和保修卡，或信息被涂改、字迹模糊、无法辨认等。
- ② 正常的使用磨损而造成的部件损坏。
- ③ 未按说明书指导，不正确安装、使用及操作，或私自对机器进行改装而造成机器故障或损坏。
- ④ 在非机器规定的工作环境下使用而造成机器故障或损坏。
- ⑤ 由于滥用（超出工作负荷等）或维护不当（受潮、进液、浸泡、发霉等）造成机器故障或损坏。
- ⑥ 由于不可抗因素（如：火灾、地震、雷击、水灾等）造成机器故障或损坏。
- ⑦ 由于使用其他品牌部件或低质量耗材造成的设备故障或损坏。
- ⑧ 未经官方授权的服务点维修过的机器。

技术支持 <

凡购买创想三维3D打印机，均可享受（除产品本身之外）终生技术支持，如超越产品本身的技术问题恕不提供。本产品有SD卡中有相关使用资料，如在使用过程中遇到技术问题，请联系售后客服帮您解决。

温馨提示 <

- ① 使用机器前请仔细阅读说明书和售后服务卡。
- ② 质保期内维修过的机器后仍享有剩余质保服务。
- ③ 退/换货及返厂维修需按原包装寄回机器，以免快递过程中产生其他问题，建议妥善保存好产品原包装。
- ④ 申请质保服务时，需提供产品制造编码、购买凭证、订单号、保修卡、发票等信息。如未提供，公司有权拒绝提供质保服务。
- ⑤ 服务时间：周一至周六，8:30~20:45（法定节假日除外）。热线：400-613-3882，邮箱：cs@creality.com。

WARRANTY

Before returning the product and filling in a warranty, please contact after-sale person for going through after-sale formality. And attach this warranty card along with the returned machine.

Repair ☐

Change ☐

Return ☐

Name: _____ Telephone: _____

Address: _____

Serial Number: _____ Order Number: _____

Channel: Platform ☐ Offline ☐

Date of purchase Day _____ Mon. _____ Year _____

Malfunction And Damage Depiction Or Return And Change Reasons\ Suggestions:

Repair Records:



Note: Client need filling in basic infor. and return reasons. Repair records shall retain for technicians.

产品保修卡



产品寄回前请先联系售后专员，为正常进行售后处理，请务必填写此卡，并随机器寄回。

返修 ☐

换货 ☐

退货 ☐

客户名称：_____联系电话：_____

收件地址：_____

机器制造编码：_____订单编号：_____

购买渠道：电商平台 ☐ 线下 ☐

购买日期：_____年_____月_____日

故障描述或退、换货原因和建议：

维修情况记录：



温馨提示：基本信息及返厂原因为客户必填项，维修情况记录部分为维修人员填写项。



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