

CREALITY  
创想三维

创造现实，成就梦想  
Create reality, achieve dreams

HALOT-MAX

HALOT-MAX



# 3D Printer User Manual

3D打印机用户使用手册

V2.0



## 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 U disk.

Visit our official website ([www.creality.com](http://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U盘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](http://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.

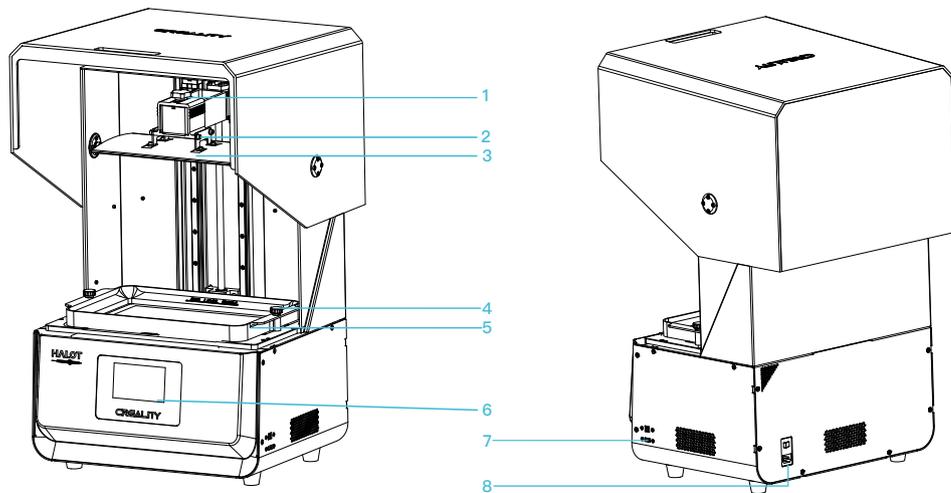
## 固件升级

请您登录官网 <https://www.cxsw3d.com>，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 avoid 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 Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our products or equipment for any illegal purposes. Creality will not be responsible for any violators' legal liability under any circumstance.

- 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，请使用本机自带的电源线，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，带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，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 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 Thumb screw  
手拧螺丝

2 Leveling screw  
调平螺钉

3 Buliding platform  
成型平台

4 Vat thumb screw  
手拧螺丝

5 Resin vat  
料盘

6 Touch screen  
显示屏

7 USB port  
USB接口

8 Power socket  
电源接口

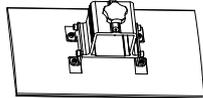
## 2. Equipment parameters 设备参数



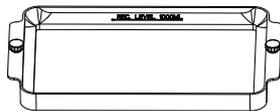
### Basic Parameters 基本参数

Model Name   产品型号	HALOT-MAX
Build Size   成型尺寸	293*165*300mm (length*width * height)   293*165*300mm (长*宽*高)
XY Axis Resolution   XY轴分辨率	3840*2160
XY Axis Accuracy   XY轴精度	0.0765mm
Print Speed   打印速度	1-4S/ layer   1-4S/层
Layer Thickness   打印层厚	0.01-0.2mm
Touch Screen   触摸屏	5 inch touch screen   5英寸触摸屏
Light Source Type   光源配置	Integral Light Source(wavelength 405nm)   积分式光源 (波长405nm)
Rated Voltage   额定电压	100-240V~, 50/60Hz
Rated Power   额定功率	500W
Machine Size   设备尺寸	480*387*770 mm
Package Size   包装尺寸	650*560*950 mm
Net Weight   净重	32.5 KG
Gross Weight   毛重	51.2 KG
Print Method   打印方式	USB Disk, Creality Cloud   U盘, 创想云
Machine Language   设备语言	中文(简/繁)/ English/ Español/ Deutsche/ Français/ Русский/ Português/ Italiano/ Türk/Nederlands/Polksie/日本語/한국어
Slicing Software Operation System 切片软件操作系统	Win7/Win8/Win 10 64bit, Mac system(32-bit is not supported)   Windows7以上64位操作系统、Mac系统 (不支持32位) ?
Compatible Resin专用耗材	Common rigid photosensitive ,Standard resin ,High hardness ,High toughness ,Dental model resin 普通刚性树脂、标准树脂、弹性树脂、高硬度、高韧性树脂、牙模树脂等

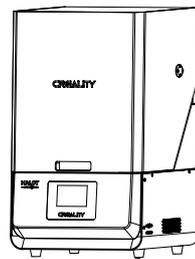
### 3. Package Content 零件清单



1 Print platform | 打印平台 x 1



2 Resin vat | 料盘 x 1



3 3D printer | 打印机 x 1

#### Tool list 工具包清单



1 U disk x 1  
U盘



2 Screwdrivers x 1set  
螺丝刀工具包



3 Brush x 1  
油漆刷



4 Plastic blade x 1  
塑胶铲刀



5 Resin filter x 4  
纸漏斗



6 Release film x 1  
离型膜



7 Metal blade x 1  
金属铲刀



8 Power cord x 1  
电源线

Calibration Card  
校准卡片

9 Calibration card x 1  
校准卡片



10 Rubber gloves x 2  
橡胶手套

Tips: the above accessories are for reference only, in kind prevail! 注意: 以上配件仅供参考, 请以实物为准!

## 4. Interface Information 界面信息

### Print



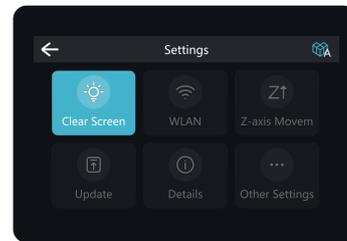
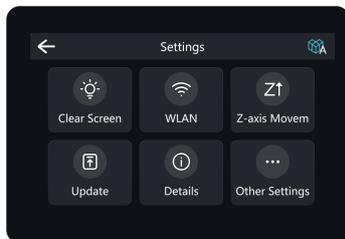
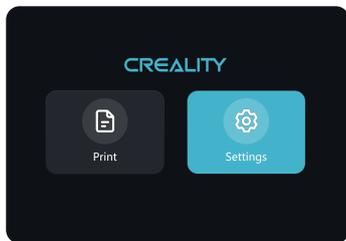
### 打印



Note: The interface of Checking and Setting the Printing Parameters is only for reference and shall be subject to UI.  
注意：查看设置打印参数界面仅供参考，实际以UI为准。

## 5. Interface Information 界面信息

### Settings



### 设置



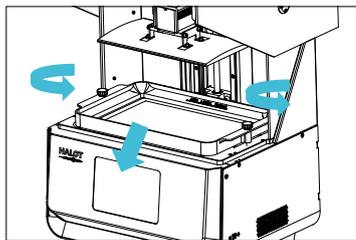
Note: The interface of Checking Whether the Light Source Works Well is only for reference and shall be subject to UI.  
注意：检查光源是否正常界面仅供参考，实际以UI为准。

## 6. Level Platform 调平台



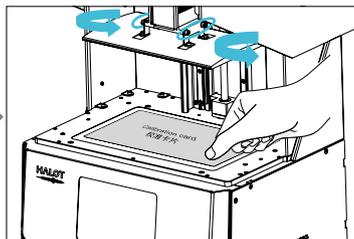
Note: The printing platform has been leveled at the factory. If it needs leveling due to transportation or other reasons, please follow the steps below to adjust the printing platform.

注意:打印平台出厂时已调平,若因运输或其他原因需要调平,可以进行以下步骤进行打印平台调平。



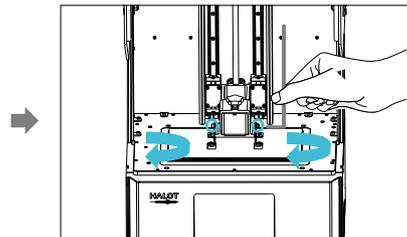
1. First raise the platform, then loosen thumb screws on the left and right sides of the resin vat, and take out the resin vat.

进行打印平台的校准,首先上升平台,拧松料槽左右两侧胶头手拧螺丝,将料槽取出。



2. Loosen the four screws of the connecting plate of the prototype flat plate, fix the calibration card with the printing screen closely, press Setting→Z axis movement→Leveling, refer to steps of leveling platform 2 to operate, and check whether the platform is evenly fit with the calibration card.

松开成型平台板连接板的四颗螺丝,将校准卡片贴紧打印屏,按设置→Z轴运动→调平,参照调平平台2步骤作业,检查平台是否与校准卡片均匀贴合。



3. Tighten the screws loosened in the previous step.  
拧紧上一步松开的螺丝。

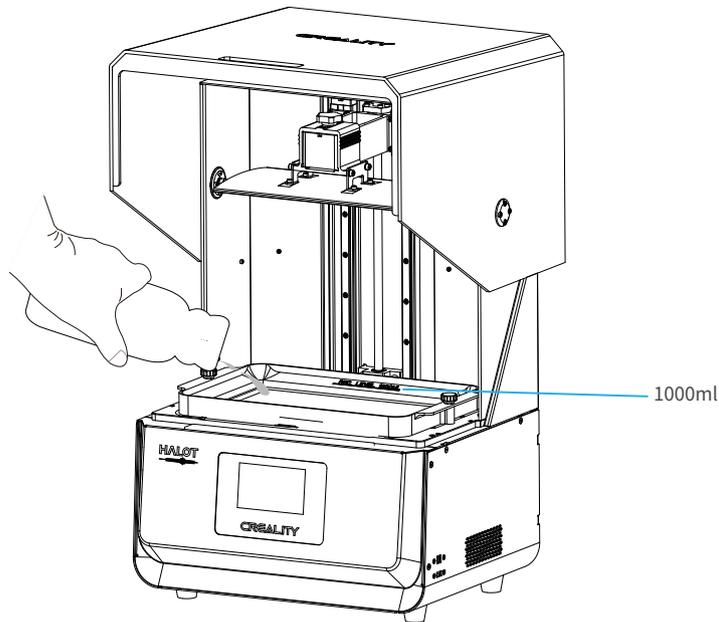
## 7. Level Platform 2 调平平台 2



Note: 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。

## 8. Load Resin 装料

Pour the UV photosensitive resin into the resin vat. The slot capacity is 1000ml.  
将3D打印机 UV 光敏树脂倒入料盘,槽位容量:1000ml。



Tips:How to change resin:

Take out the resin vat slowly, pour out the remaining resin into a container, clean the resin vat, pour in new resin, and then install the resin vat to the machine.

提示:如何更换耗材?

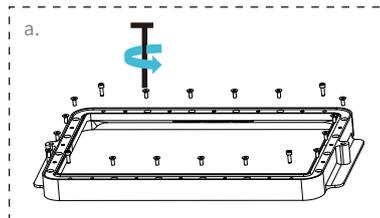
将料盘缓缓取出,把剩余树脂倒入容器,清洗干净料盘,重新倒入新树脂,再把料盘安装到机器即可。



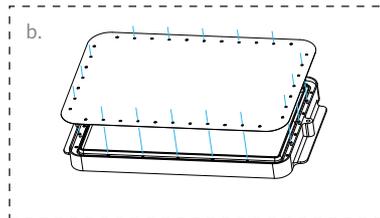
Caution :Resin may cause skin irritation or an allergic skin reaction. Please wear gloves before use to avoid direct contact with the skin.

警示:请戴上手套方可进行装料,光敏树脂为刺激性材料,避免接触到皮肤。

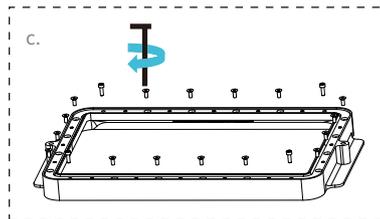
### Installation steps 安装步骤



- a. First, remove the 20 screws at the bottom of the vat and take down the old release film.  
首先拆卸料槽底部的20颗螺丝,取出坏的离型膜。

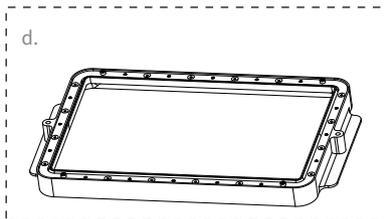


- b. Prepare the new release film, peel off the the protective films on both sides of the release film. Align the holes and fit the release film on the vat.  
撕掉新的离型膜两个面上的保护膜,对好孔然后将离型膜套在料槽上。



- c. Place the clamping, install 16 countersunk head screws and four them cylindrical head screws and use the opposite angle to tighten.  
放好压圈,安装16颗沉头螺丝和四个脚上的圆柱头螺丝并采用对角的方式拧紧。

- d. The installed release film is as shown.  
安装好的离型膜如下图。



#### Parameters 规格参数



尺寸:393mm\*263mm  
(Size)

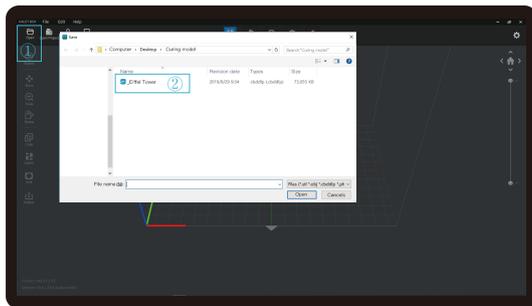


厚度:0.15-0.2mm  
(Thickness)

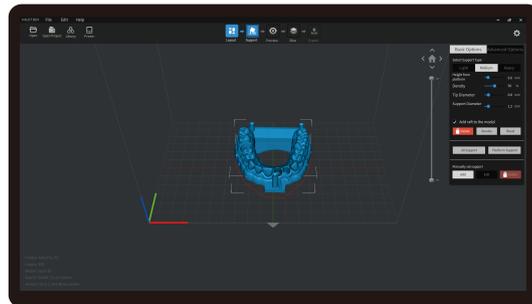


透光率:95%  
(Light Transmittance)

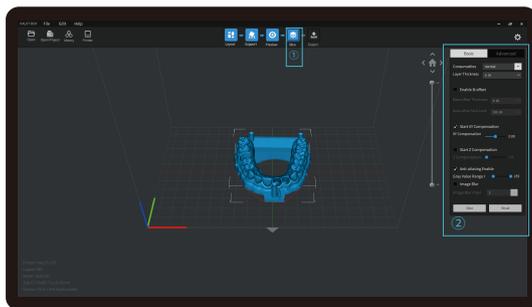
### 1. Slicer



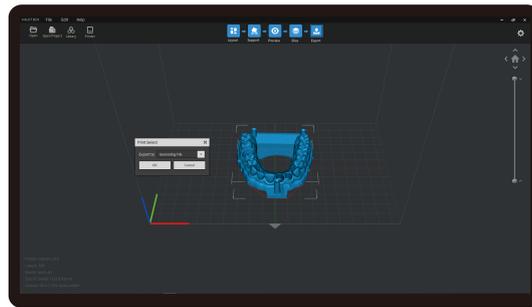
1. Open the slicer software of LCD 3D printer, click “open” on the left of the screen and add model file.



2. If the model needs to add support, click the upper left icon to set corresponding parameters.



3. Click icon ①→Setting slice printing parameters②→Click



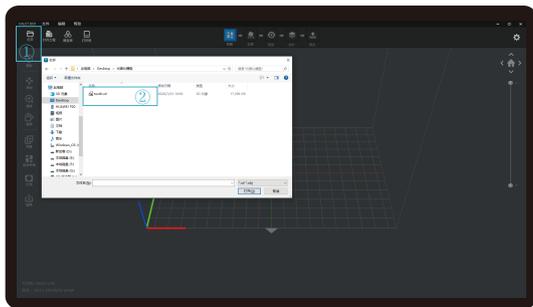
4 wait for slice to be finished→save the sliced file (Please refer to the official website [www.creativity.com](http://www.creativity.com) for more details of slicing tutorial).



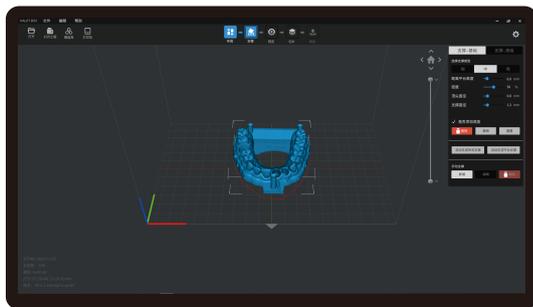
Note: The UI interface is for reference only, and shall be subject to the actual UI may be different.  
注意：界面仅供参考，实际以UI为准。

## 11. Start Printing 首次打印

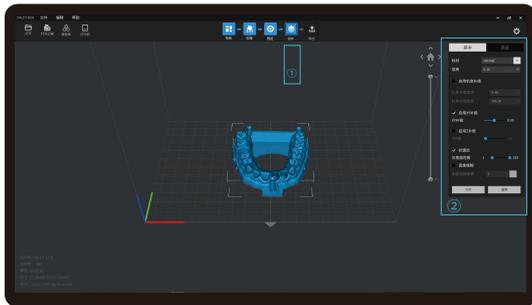
### 1. 切片



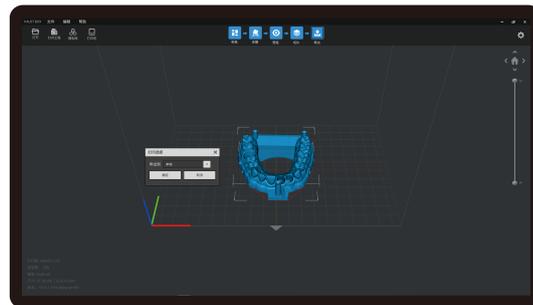
1. 打开LCD光固化3d打印切片软件, 界面左方点击“打开”添加模型文件;



2. 根据模型如需添加支架, 点击左上方图标, 设置相应参数;



3. 点击图标①→设置切片打印参数②→点击切片;

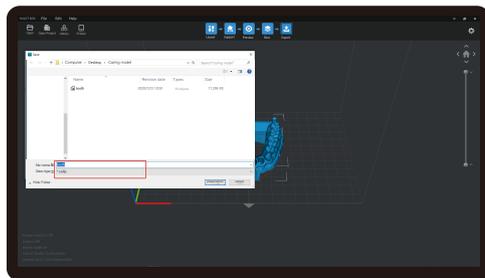


4. 等待完成切片后→另存切片好的文件。  
(\*切片教程详见官网切片视频[www.cxsw3d.com](http://www.cxsw3d.com))

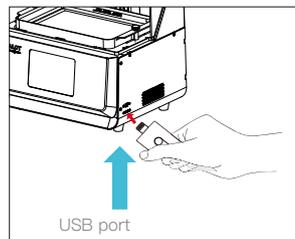


Note: The UI interface is for reference only, and shall be subject to the actual UI may be different.  
注意: 界面仅供参考, 实际以UI为准。

### 2. Print

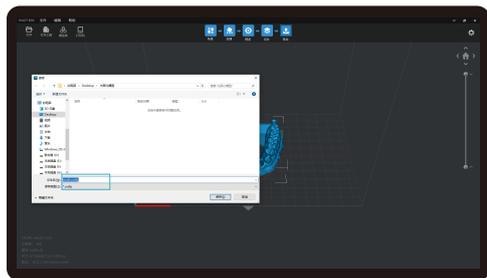


1. Generate cxdlp file and save the file to U disk

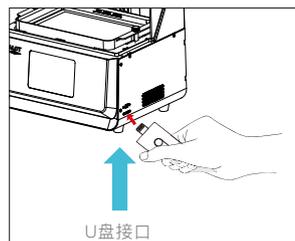


2. Insert U disk → Select a file → Press "Start"

### 2. 打印



1. 生成 cxdlp 文件 → 保存文件到 U 盘；



2. 插入 U 盘 → 选择文件 → 按下开始键



Note: The UI interface is for reference only, and shall be subject to the actual UI.

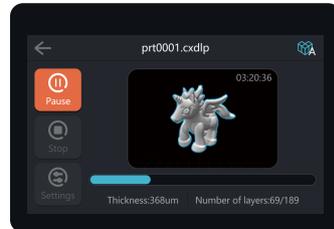
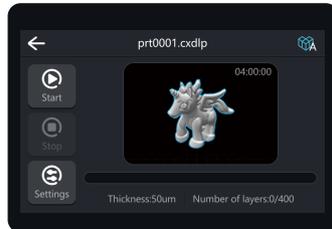
注意：界面仅供参考，实际以 UI 为准。



Warning: Do not shake the machine while printing to avoid influencing printing quality.

警告：在打印过程中，机器不能摇动，以免影响打印质量。

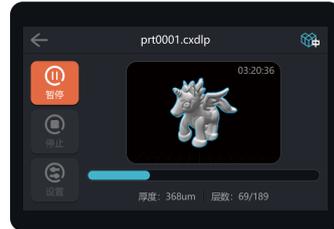
## 13. Start Printing 首次打印



1. Select files;

2. Select the file to be printed and press "Start";

3. Printing...



1. 选择文件;

2. 选中需要打印的文件, 按下开始键;

3. 正在打印中...

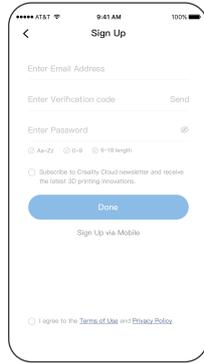


Note: The UI information is only for reference, the actual UI may be different.  
注意: 界面仅供参考, 实际以UI为准。机器默认存储当前打印文件

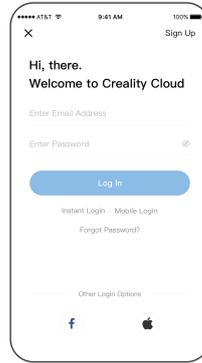
# 14. Control remote printing 远程控制打印



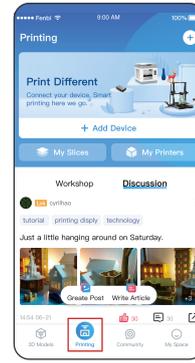
1.Download



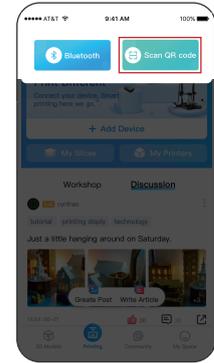
2.Register



3.Log in



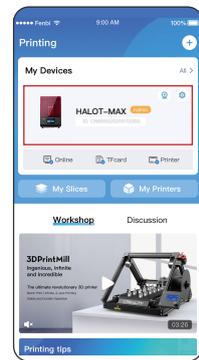
4. Add equipment



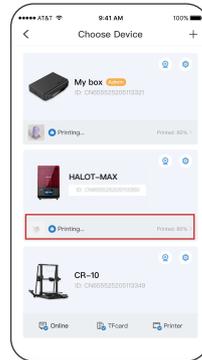
5. Scan QR Code  
Machine interface settings→ Device  
binding→ QR code



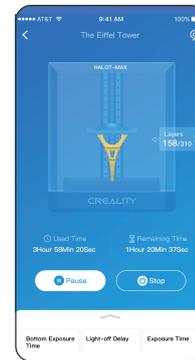
6. Device naming



7. Select device



8. check printing status



9. Print Progress

# 15. Control remote printing 远程控制打印



1. 下载



2. 注册



3. 登录



4. 新增设备



5. 扫一扫  
(机器界面设置→设备绑定→二维码)



6. 设备命名



7. 选择设备

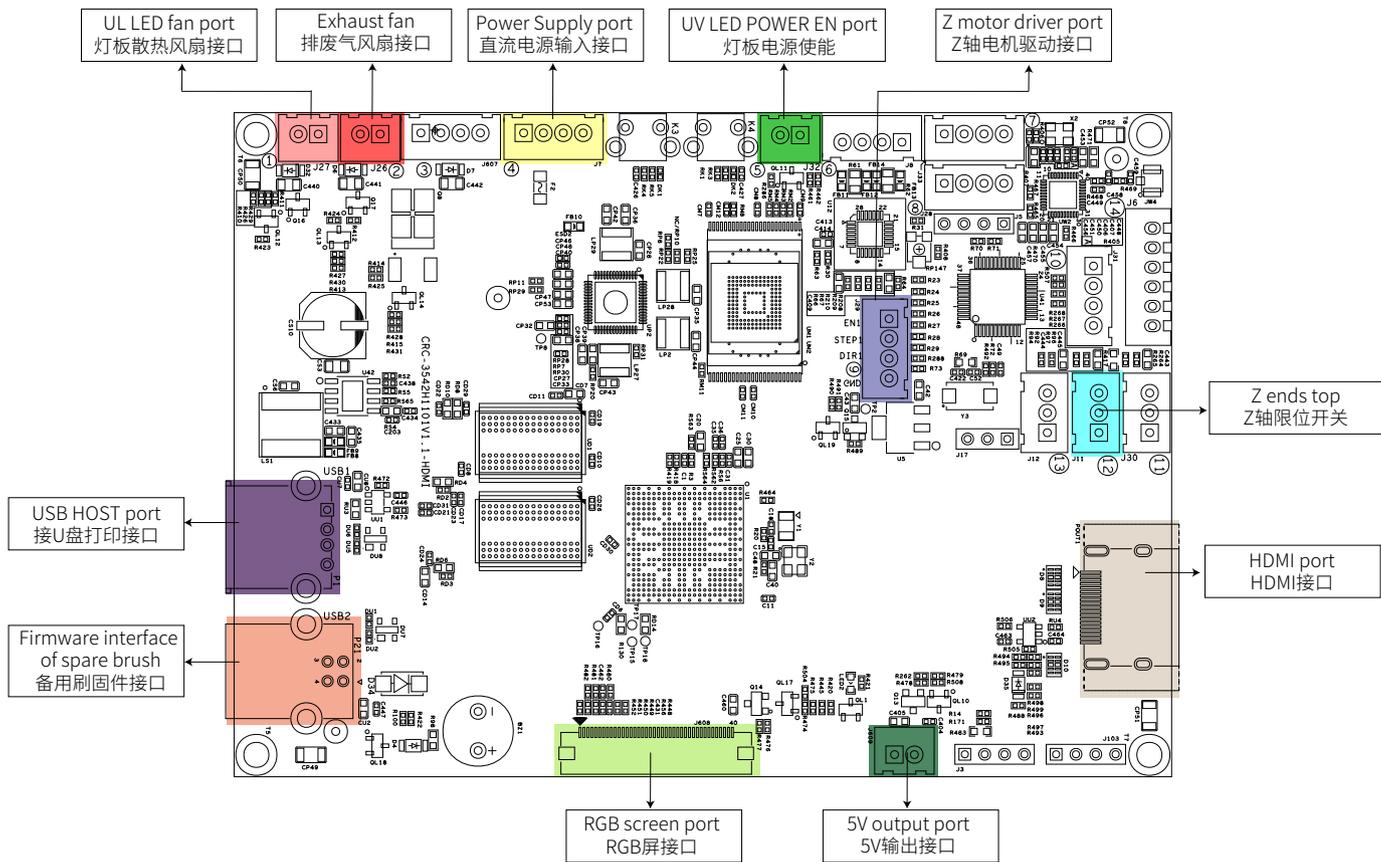


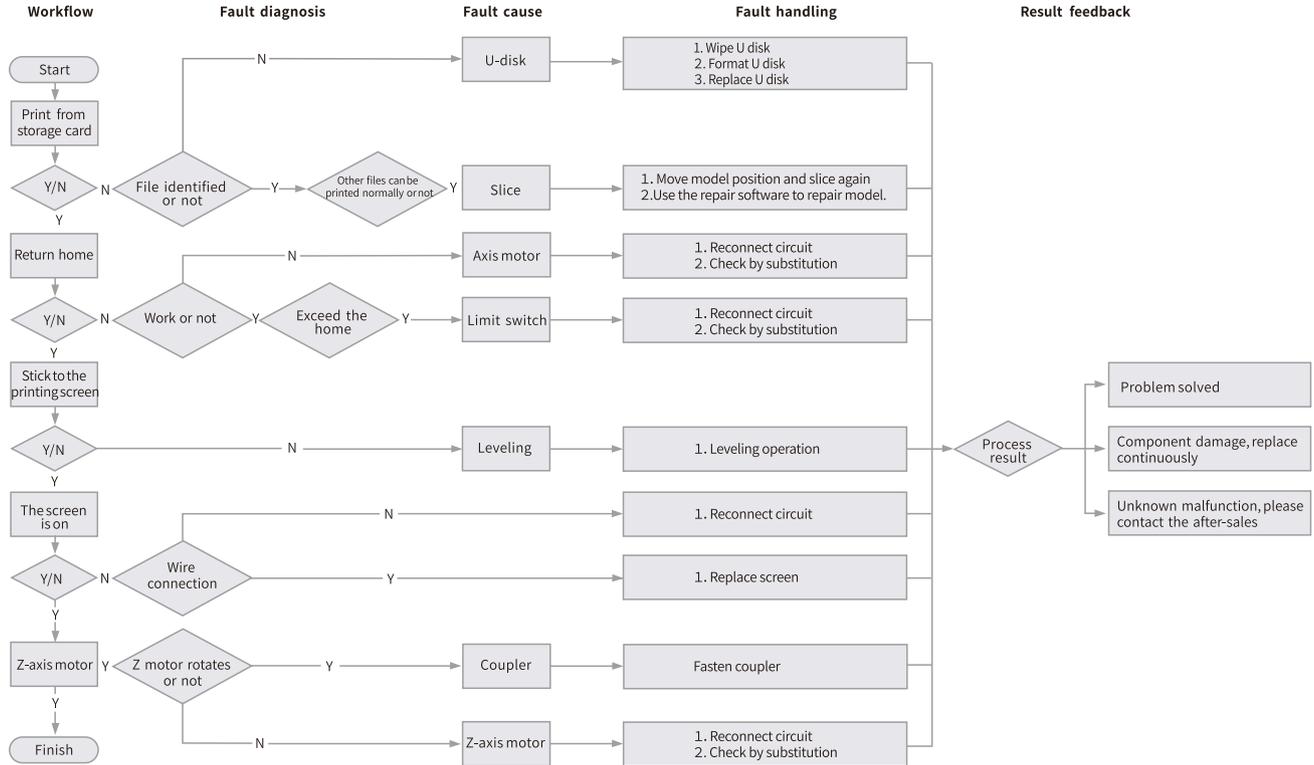
8. 查看打印状态

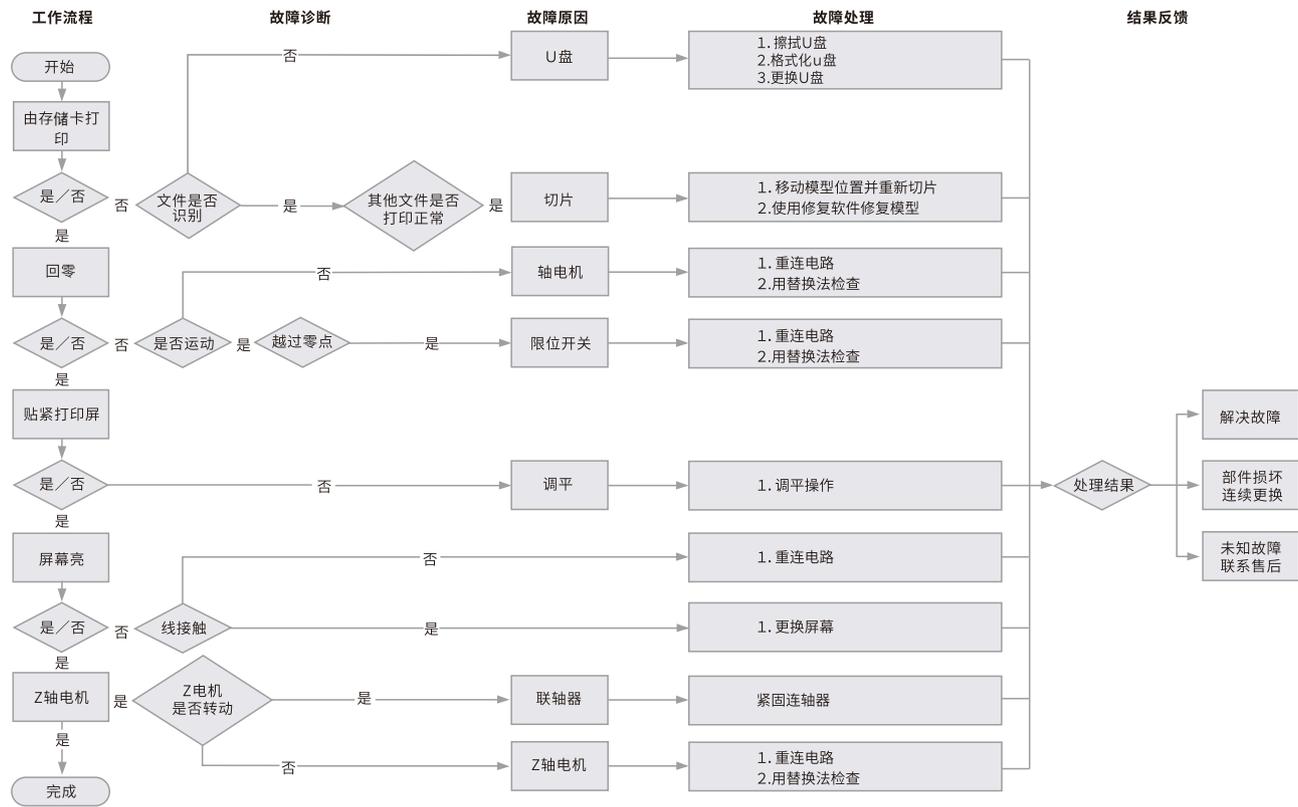


9. 打印进度

## 16. Wiring Connection 电路接线







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

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