

广州谦辉信息科技有限公司

MKS Pad7 touch screen

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Firmware version update

Version	Time changed	Modify the content	Remarks
V1.0.0	2017.5	Initial version	

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1、 Introduction

MKS PAD is a new independent development, is an integrated model display、 cloud prints、 online slicing、 remote monitoring and other multi-functional one of the 3D print display.

2、 Features advantages

- 2.1 7-inch full color capacitive screen, high resolution, touch sensitive and accurate;
- 2.2 Built-in model library, online print layer slices, modify the print layer slice parameters;
- 2.3 Support WIFI function, phone remote control, computer wireless control print;
- 2.4 Can print STL files and Gcode files directly;
- 2.5 Support camera, remote monitoring printing process;
- 2.6 Can load Gcode model preview, print progress graph display;
- 2.7 Support local storage files, USB drive files, SD card file printing;
- 2.8 Can send instructions, always check the motherboard feedback information;

3、MKS Pad7 parameter

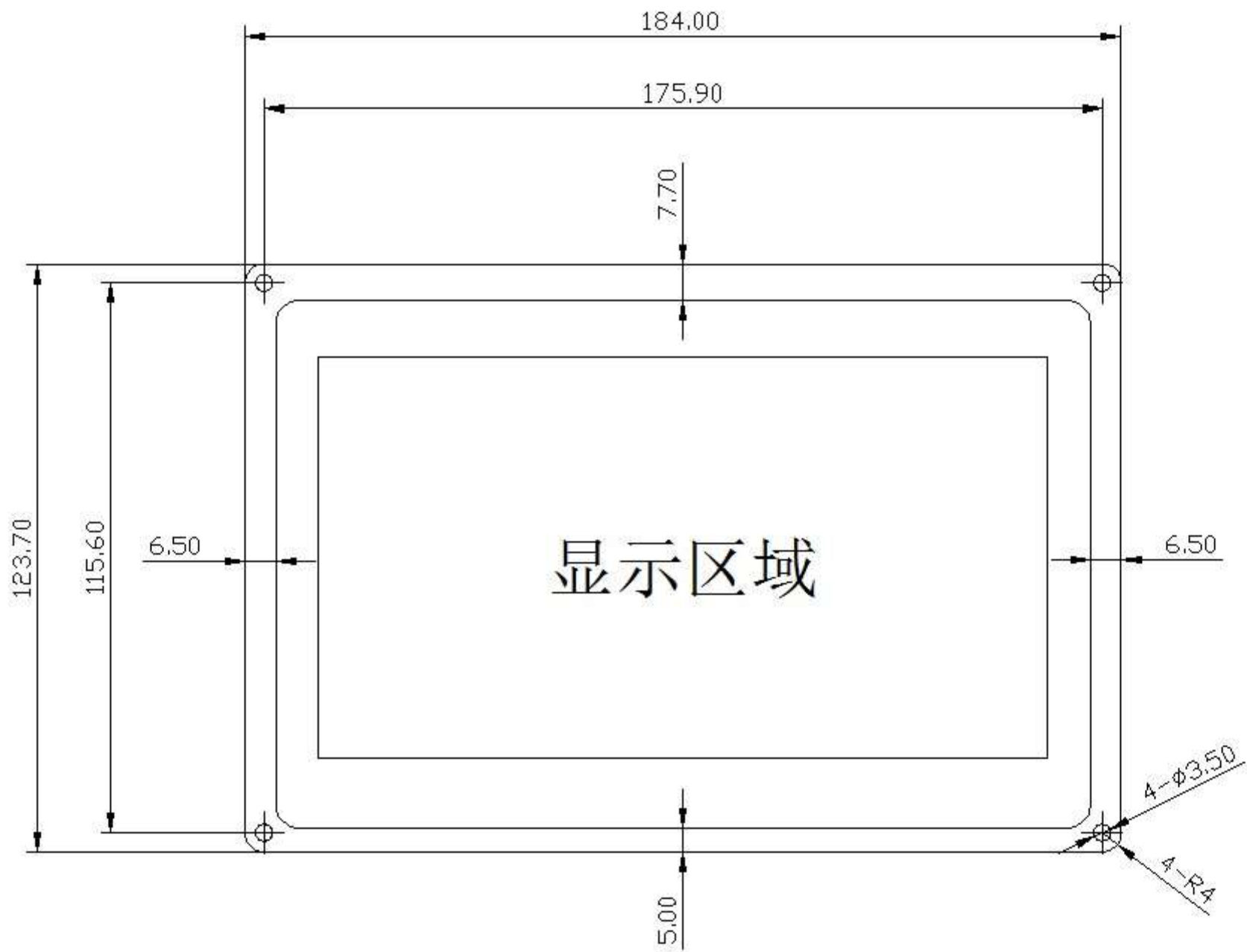
Touch screen model: MKS Pad7		Microprocessor: A31S	
Dimension: 184mmX123.7mm		Mounting hole size: 176mmX115mm	
Touch screen type: capacitive screen		Color touch screen: 7.0 inches	
Operating system:	Android	RAM:	2G
File format:	STL , Gcode	WIFI function:	YES
Feature:	Continue after power off, feeding interrupted, cell phone APP, Gcode Preview, cloud print Camera support : YES		
Interface:	SD card, USB drive	Remote control:	YES
Board wiring method:	USB type A, AUX-1	Machine structure support:	I3、XYZ、delta、kossel、corexy
Recommended software: Cura、Simplify3d、Repetier-Host		Firmware update:	SD card upgrade

4、 Connection description and dimension figure

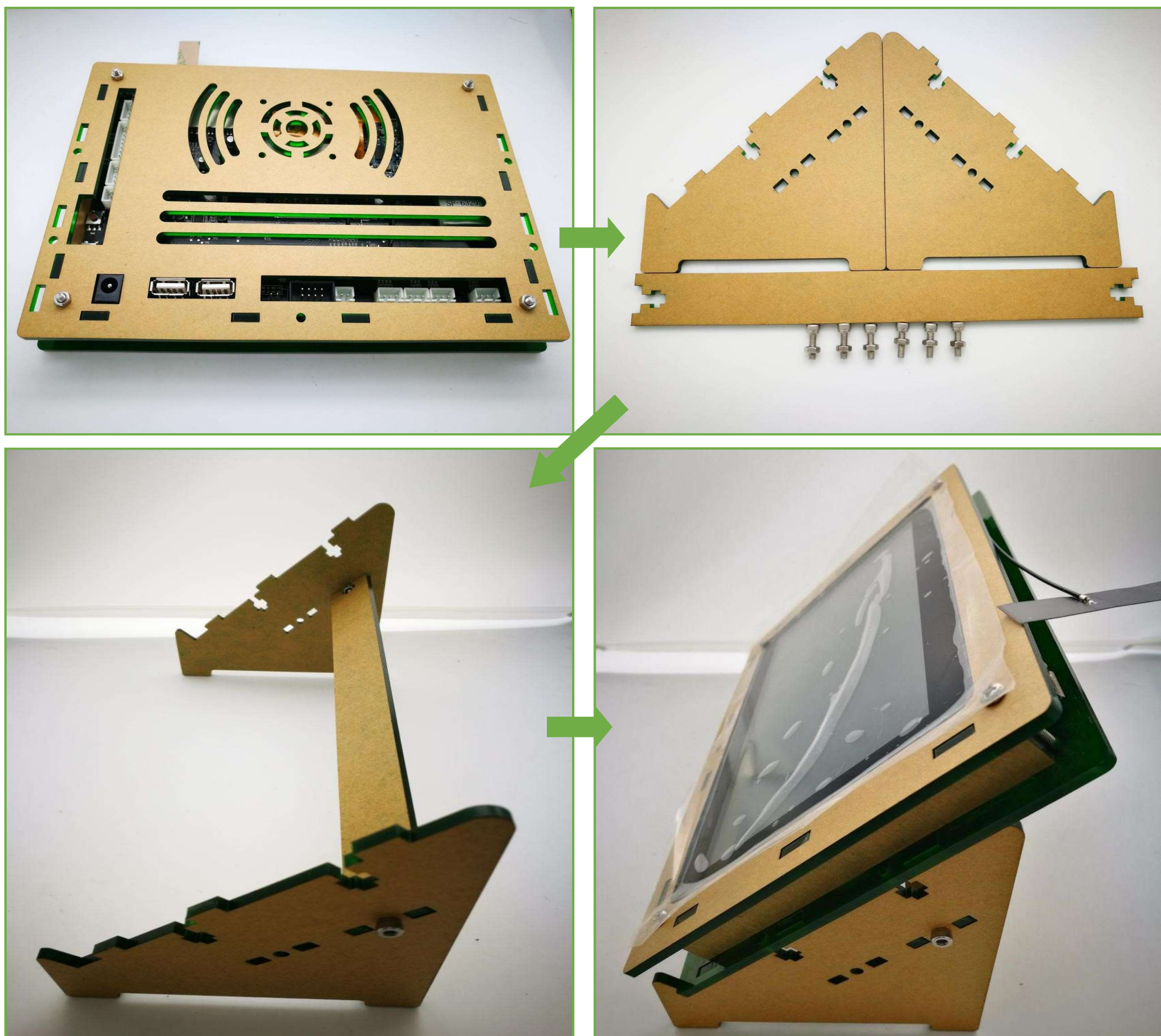
4.1 MKS Pad 7 display



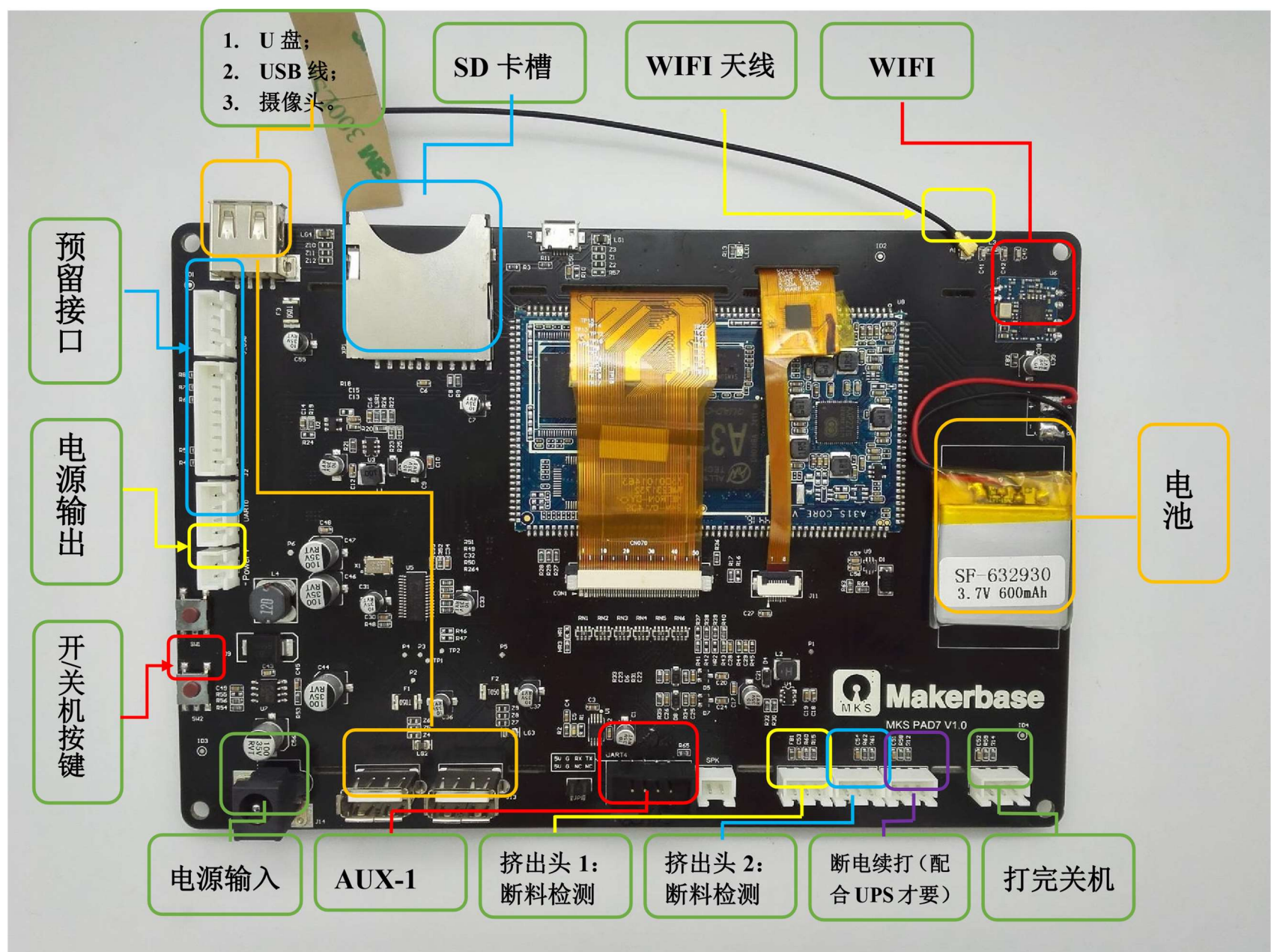
4.2 MKS Pad7 Installation



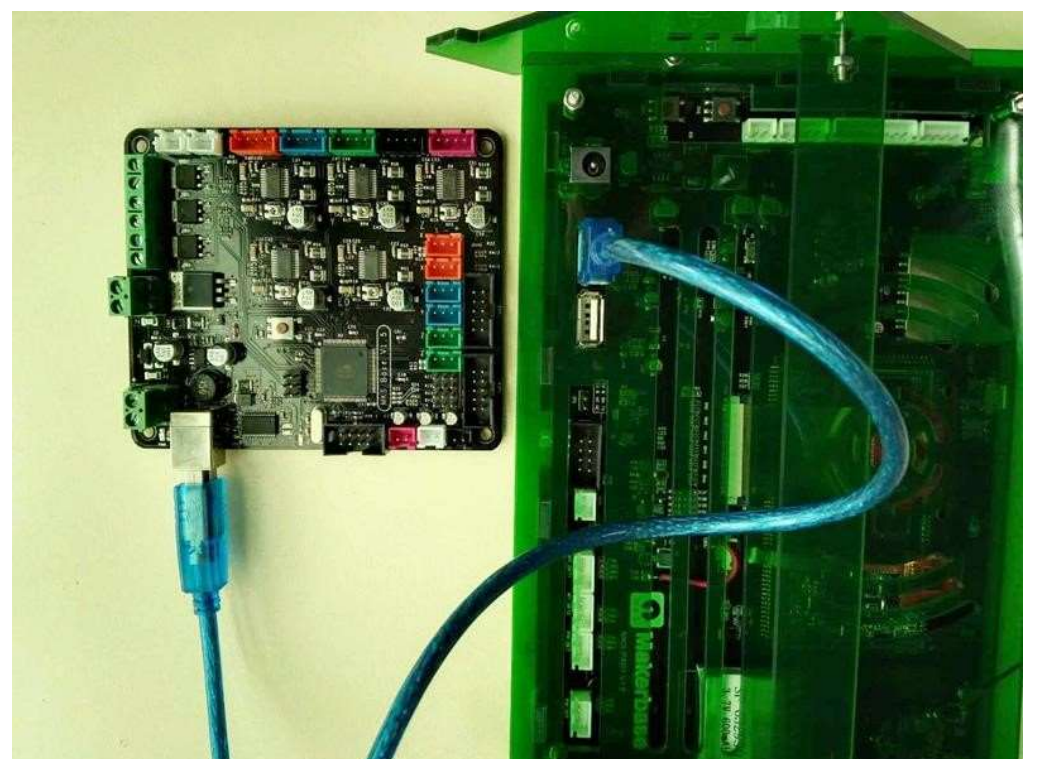
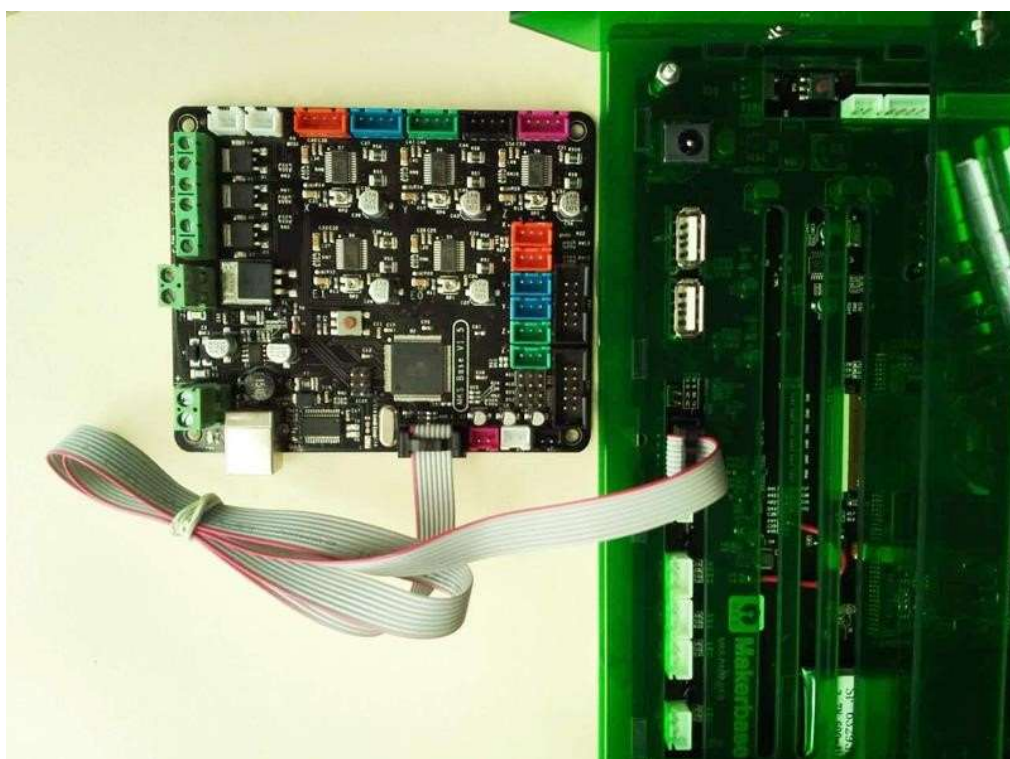
4.3 MKS Pad7 Acrylic installation figure



4.4 MKS Pad7 connection figure



4.5 MKS Pad7 Motherboard connection figure



5、Interface display

5.1 Machine control



5.2 Control panel



5.3 Tool box



5.4 Machine parameters



5.5 Slice parameters

切片设置

基础设置

高级设置

Start/End Gcode

打印质量

层厚(mm)

0.12

壁厚(mm)

0.8

填充

底层厚度(mm)

1

填充密度(%)

30

速度和温度

打印速度(mm/s)

50

打印温度(°C)

210.0

热床温度(°C)

0

开启回退

✓

支撑

✓ 保存

✕ 取消

! 重置参数

5.6 Ready to print - model library



5.7 Slice - preview model



5.8 Printing



6、 Machine basic settings

打印机基本参数

1. 与主板连接方式:
USB 接线方式
AUX-1 接口

2. 云服务设置

1. 断料 检测开关类型

2. 机器回零 是否在平台中心点

1. 挤出头 与热床温度设置

2. 各轴速度

连接路由器;
路由器 所分配的 IP 地址

系统设置

机器设置

最大长度(mm)	220.0	挤出头数量	1
最大宽度(mm)	220.0	有无热床	☒
最大高度(mm)	220.0	热床形状	圆形
喷嘴孔径	0.4	波特率	250000
双头x偏移	0.0	双头y偏移	0.0

连接方式

USB

服务器地址

https://baizhongyun.cn

云通讯地址

www.baizhongyun.cn

是否连接云

☒

断料检测开关类型

常闭

机器中心 0,0

☒

机器控制设置

喷头最高温度(°C)	275	热床最高温度(°C)	150
挤出最低温度(°C)	170.0	XY移动速度	6000.0
Z移动速度	2000.0	挤出速度	300.0

保存

取消

7、 Start printing

7.1 Local print



1. Select STL or Gcode file to print

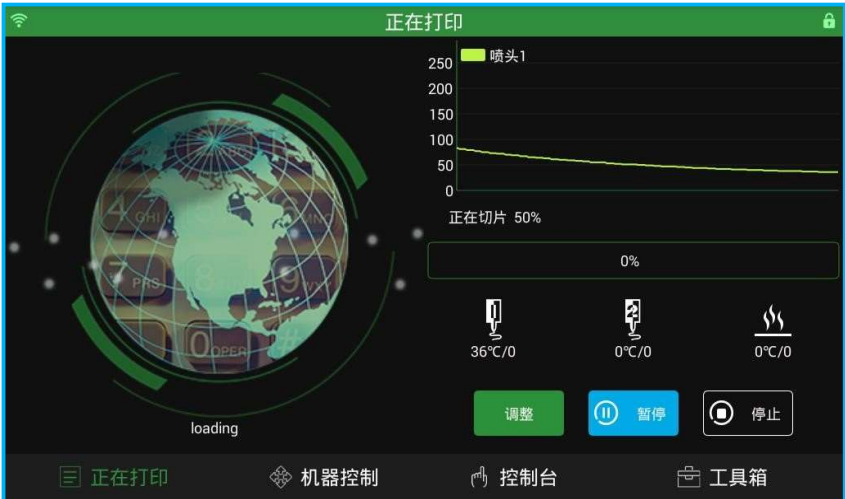


2. Preview the model, set the basic parameters to print



4. In the print, the model preview:
green represents the model; blue
represents the support; the red
represents the printed part.

3. Being sliced



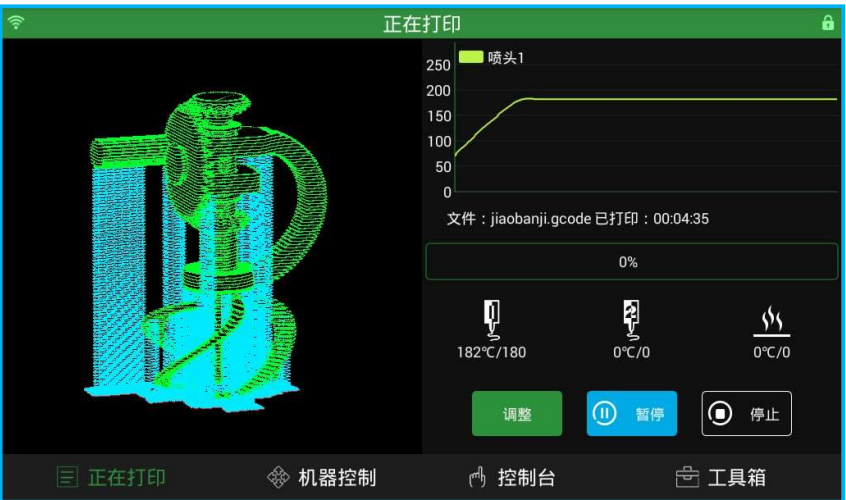
7.2 Built-in model library print



1. Select the model you want to print in the model library

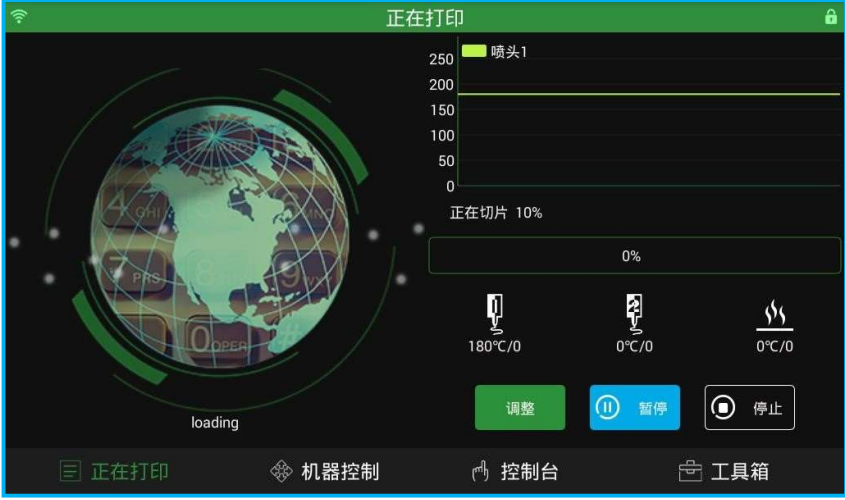


2. Preview the model and set the basic parameters for



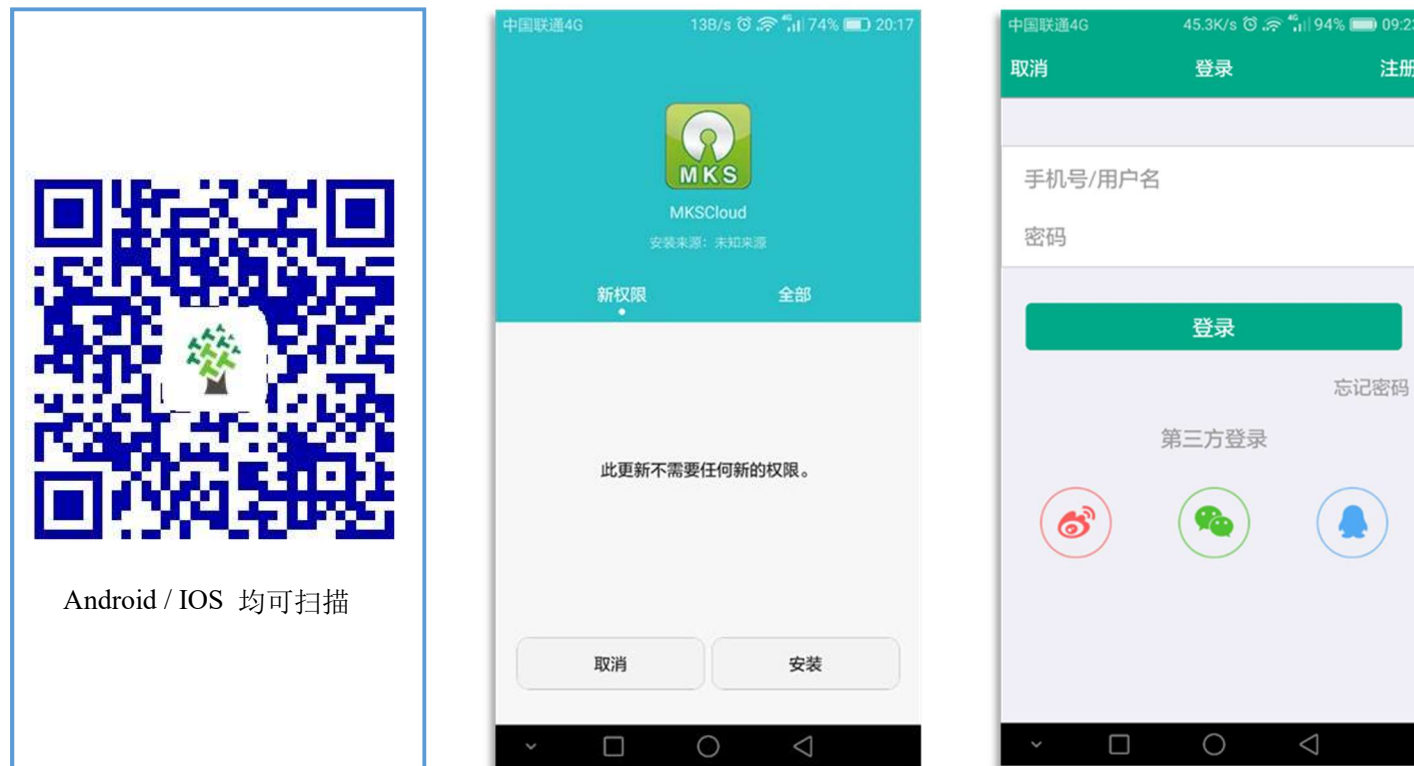
4. Start printing

3. Being sliced



7.3 Mobile APP prints

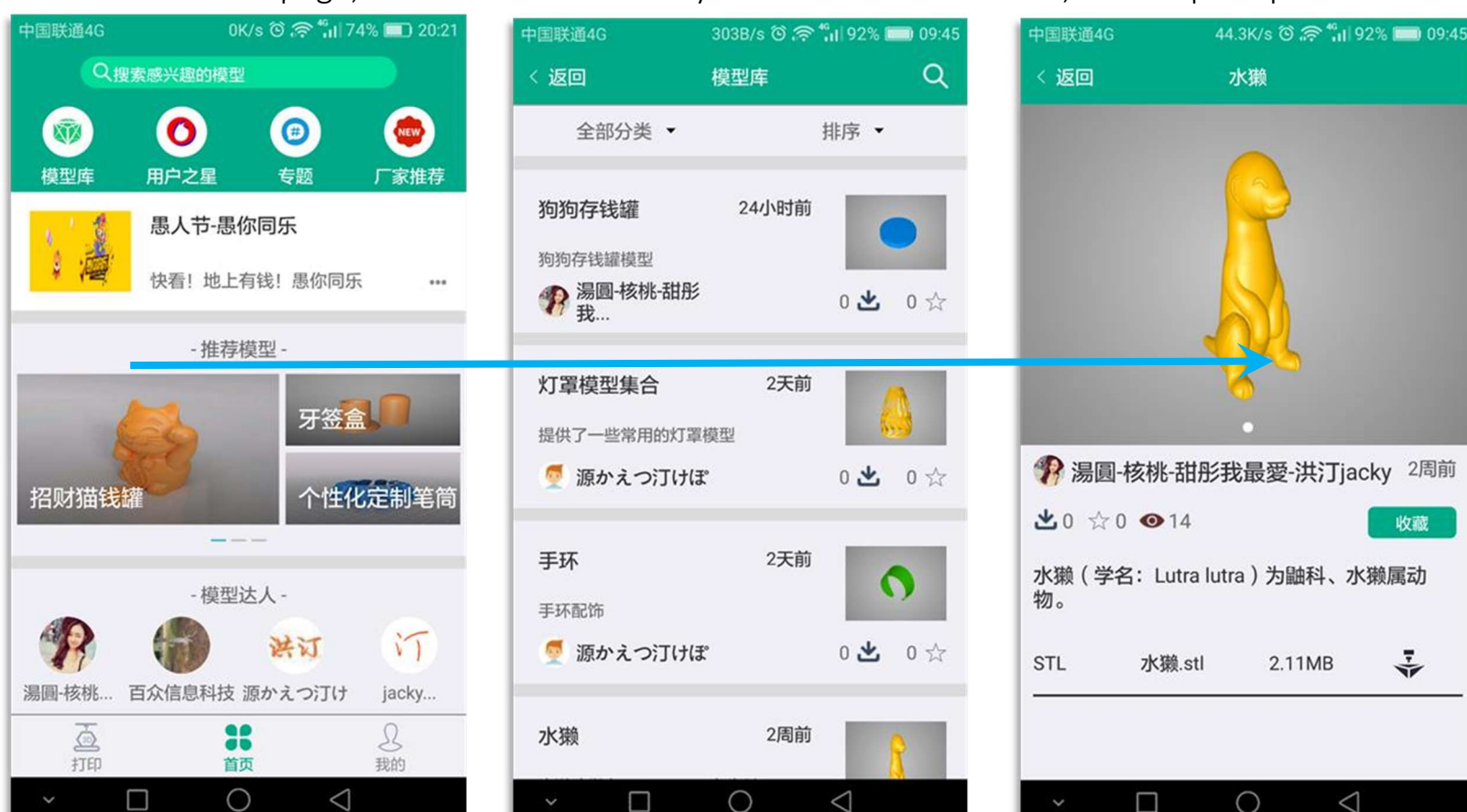
1. Scan the two-dimensional code to download and install the software, and registered account;

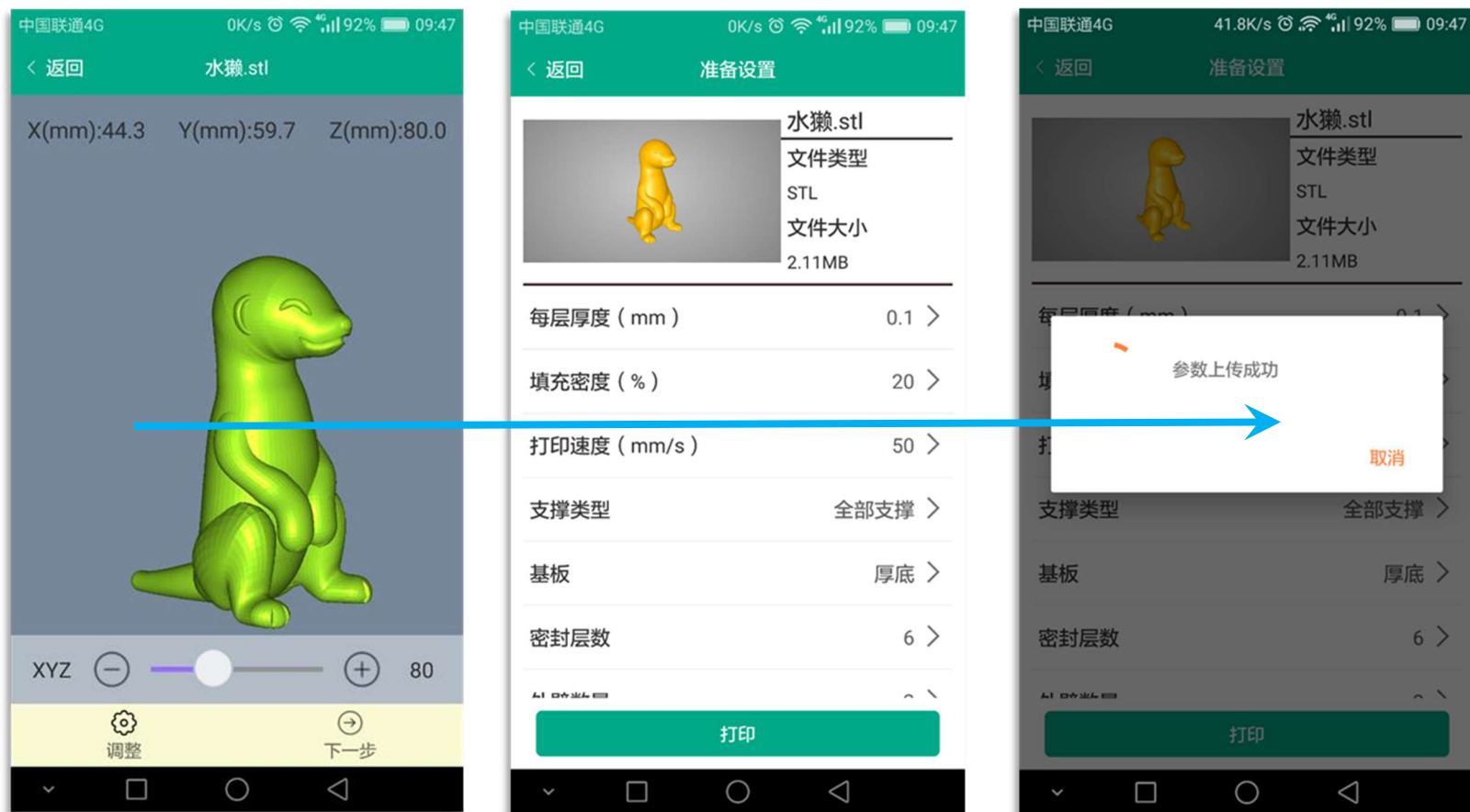


1. Click the upper right corner to add the Internet printer, scan the WIFI serial number two-dimensional code, bind the printer, and then connect the printer for simple control operation;



2. Go back to the home page, enter the model library to download the model, set the print parameters to print;





1. Check the print information, finish printing!



7.4 Browser prints

1. Connect to the router to view the IP address



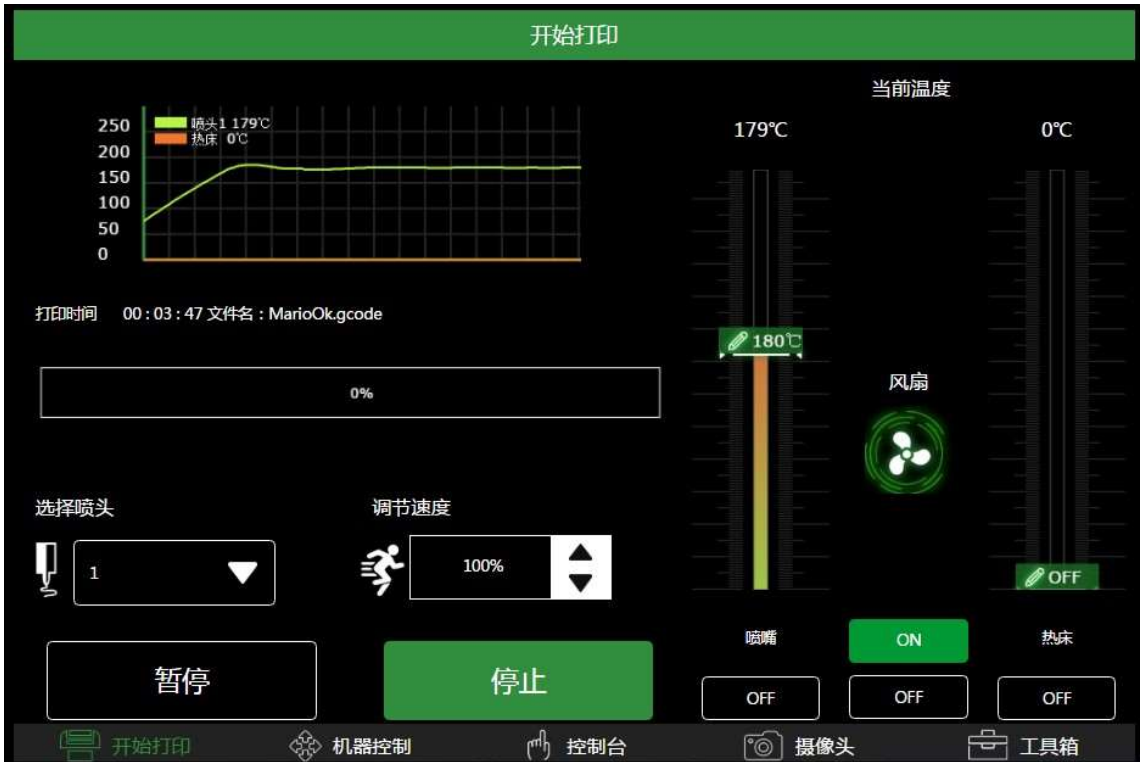
2. Open the browser and enter the IP address.



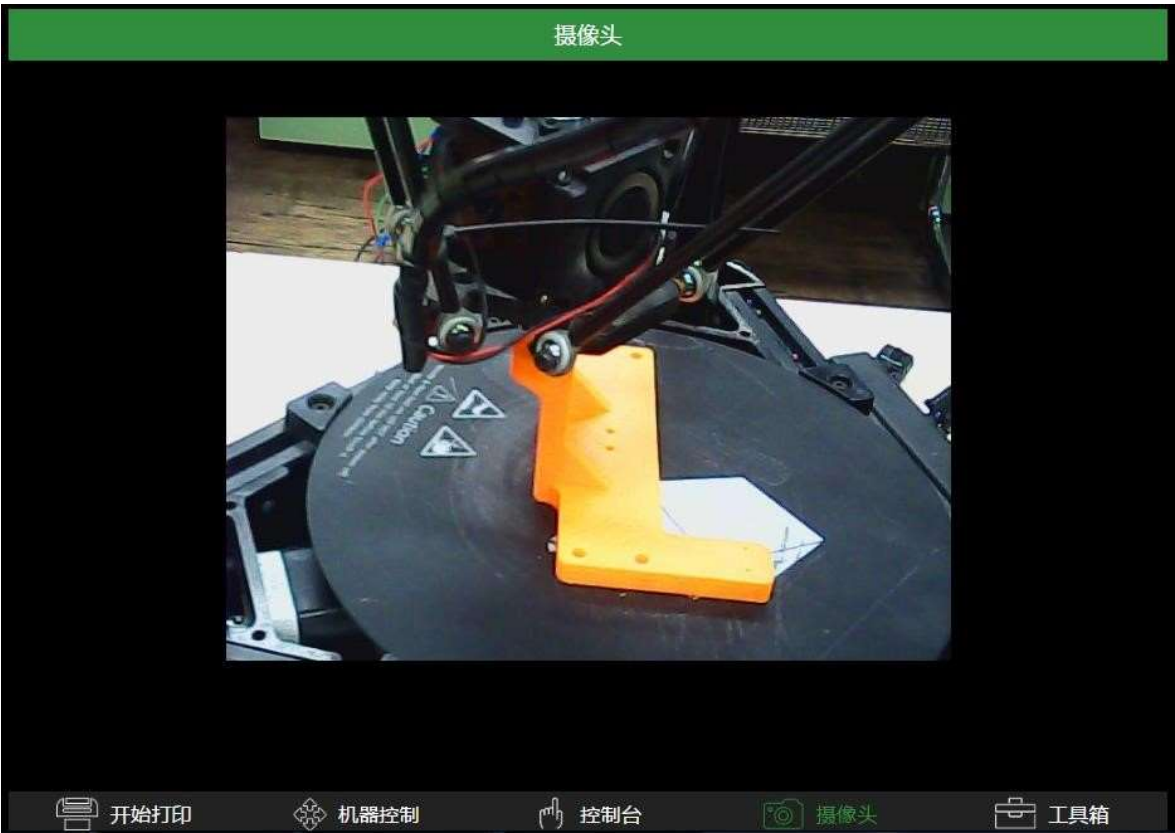
3. Select the file, you can also upload files.



4. During the printing, you can always view the print information.



5. Other features



8、 Technical support and assurance

1. Before each shipment we made, we will do power test to ensure that you can use the official delivery.

Blog: <http://flyway97.blog.163.com>



Official website