Facebook QR Code

KINGROON

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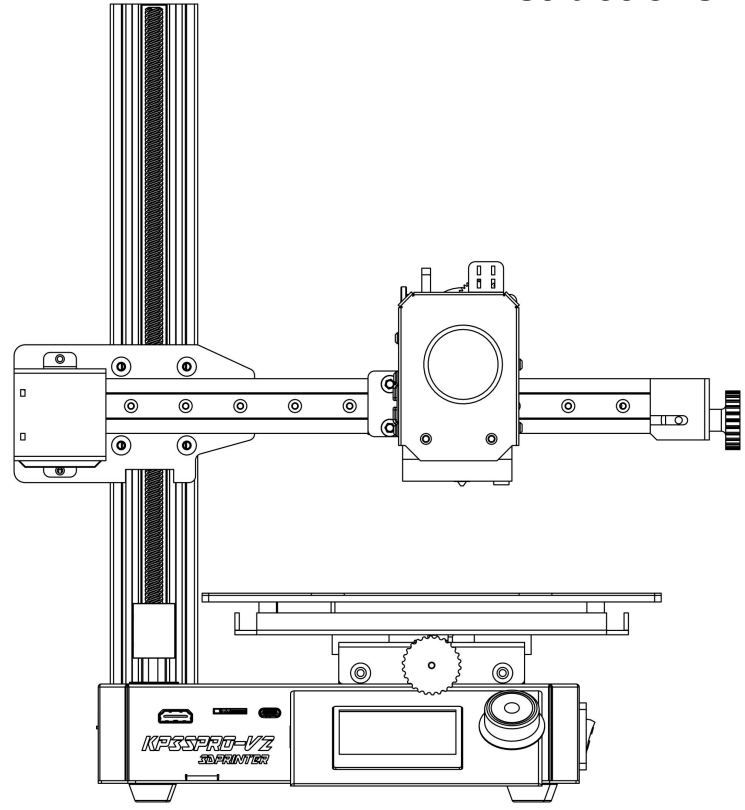
KINGROON

KP3S PRO V2-FDM 3D Printe

Instructions



Shenzhen Qi Pang Technology Co., Ltd

Catalogue

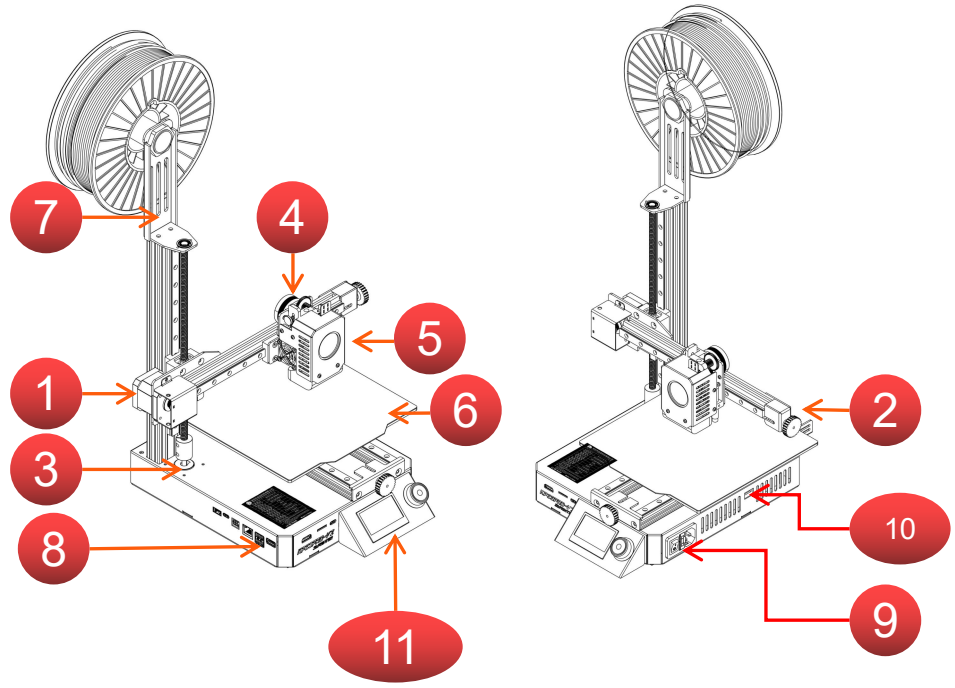
In order to use this product correctly,
please read this manual carefully

Key points for attention

1. Do not operate the main board and switching board under power-on condition

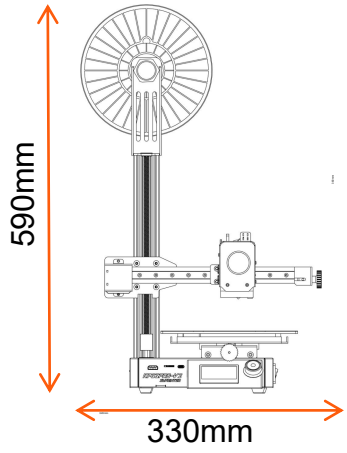
2, non-professional players do not change the configuration at will

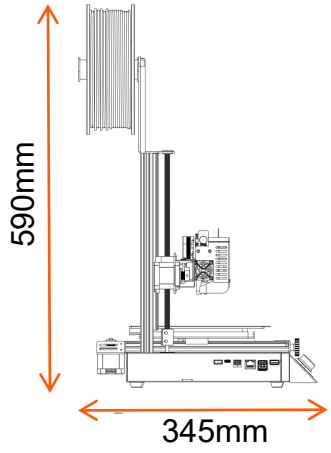
1. Product description



1. X-axis motor	6. Hot bed
2. Y-axis motor	7. Material rack
3. Z-axis motor	8, Motherboard control interface
4. E-axis motor	9. Power switch/socket
5. Extruder	10. 110V/220V switch
11. Display Screen	

1. Product description

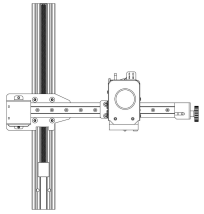


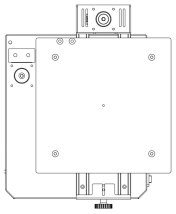


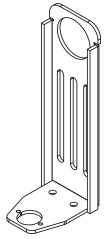
Product Model	KP3S Pro V2
Product type	FDM
Nozzles number	1
Nozzle diameter	0.4mm
Printing accuracy	0.05-0.3mm
Filament diameter	1.75mm
Printing material	PLA/WOOD/TPU
Nozzle max temperature	≤260 C
Heated bed max Temperature	≤100 C
Max movement speed	≤500mm/s
Max printing speed	≤350mm/s
Recommended printing speed	200mm-350mm/s
Print Method	Web/USB flash disk
File format	STL/Obj/Gcode

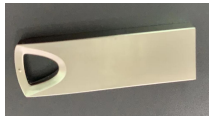
System Requirement	Win7-10/Mac/Linux
Slicing software	Cura/Slice/Host...
language firmware	CN/EN Klipper
Product power	200W
Power supply voltage	110V-220V
Power supply	24V12.5A300W
Material break detection	Optional
Machine Leveling	Support
Power off and continue printing	temporarily not supported
Machine weight	a bout 6kg
Machine size	330*330*590mm
Print size	200*200*200mm

2. Packaging contents


Component 1


Component 2


Material rack


USB flash disk


Power Cable

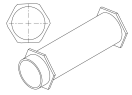

Pliers

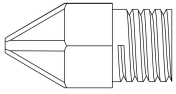

wrench
1.5mm 2.0mm 2.5mm 3.0mm

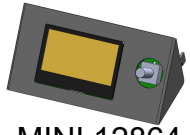

Adapter cable

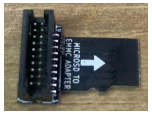

T8 - Lead screw


M5*6-3PCS
M5*10-3PCS
M5*30-3PCS


Filament holder

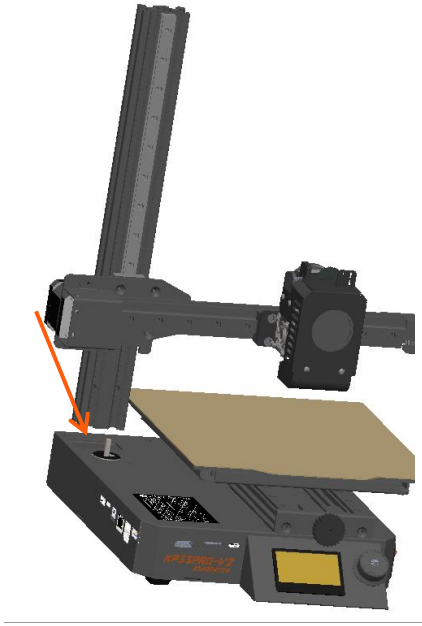

0.4mm Nozzle

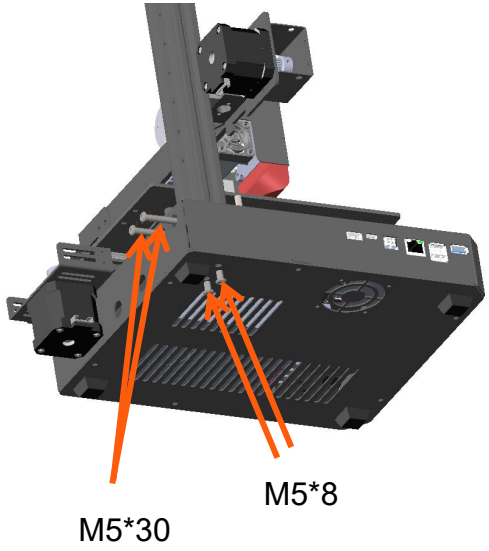

MINI 12864


EMMC Adapter

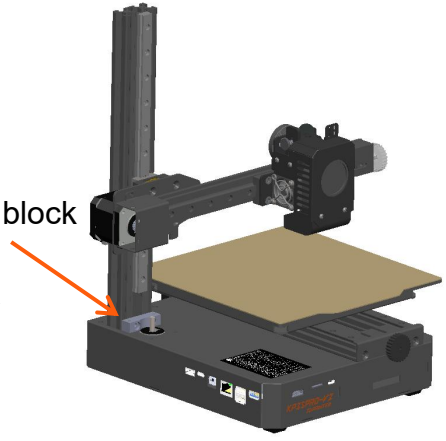

M4*16-3ea
M4T-nut-3ea

3. Install the tutorial



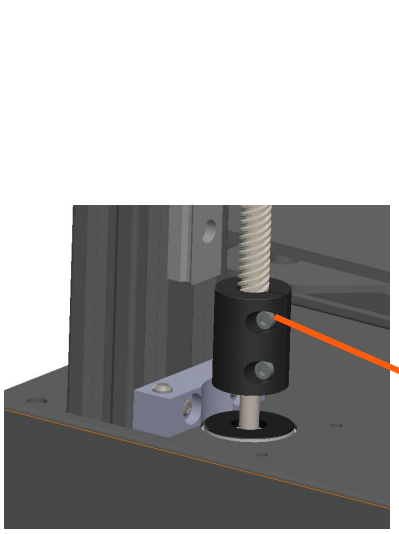


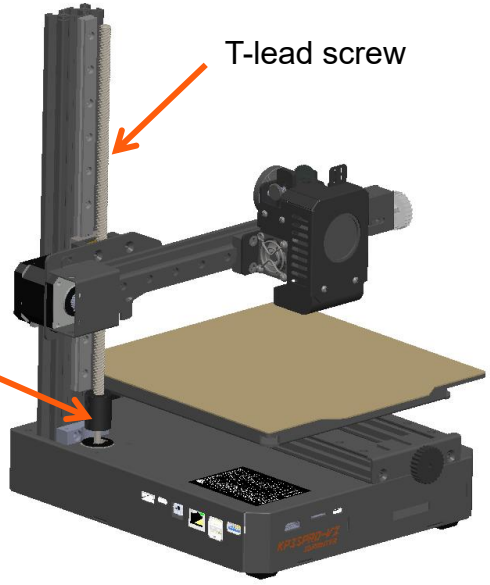
The first step
Insert component 1 into component 2 for fixing,
with screws M5*8 at the bottom and M5*30 at the back



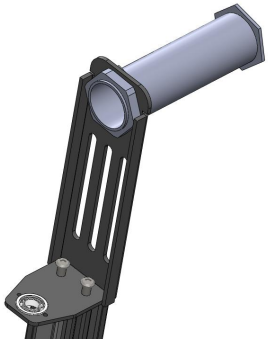
The second step
Lock the Z-axis fixing block

3. Assemble the tutorial



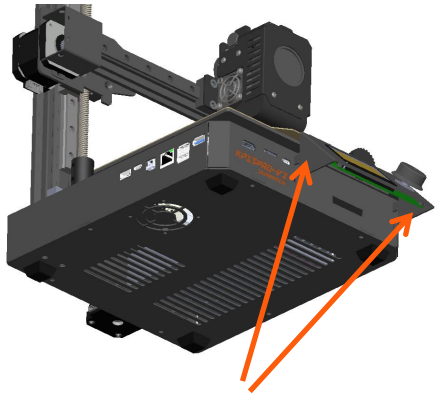


The third step
Insert T - screw into T - nut, link and lock with coupling

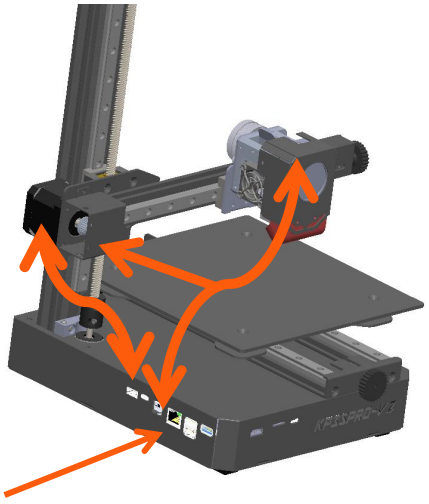


Step four
Fix the material rack on the Z-axis 2040 aluminum profile
with M5*8 screws, and place the material tube
Secure to the material rack

3. Assemble the tutorial

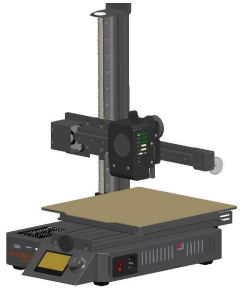


Insert the display into the host



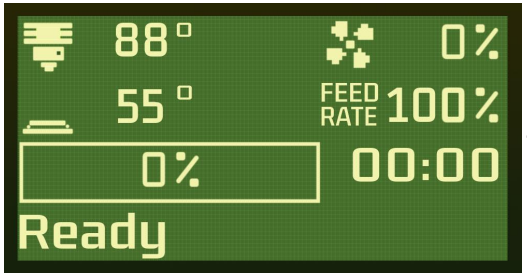
Cable interface

Step five
1: Take out the X-axis motor line to link the motor and the motherboard
2: Take out the conversion link extruder head and motherboard, and fix the conversion line with rolling tape Cover the X-axis motor.
3: Connect the network cable to your router



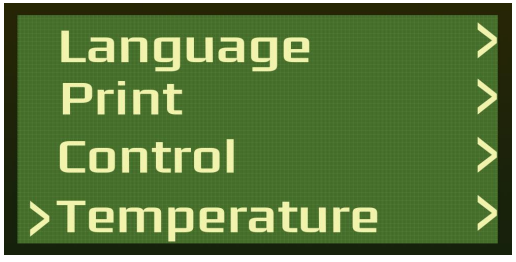
Step 6
Plug in the power cord for power-on
Please note: Please check the local voltage before startingRequired, 110V/220V switch

4. Display



——Main interface

——IP address
——Level setting
——Vibration compensation setting

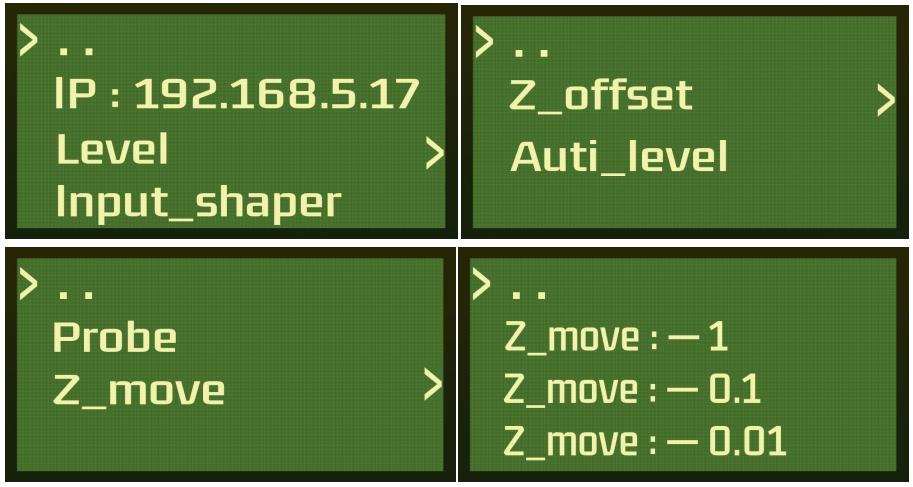


——Language setting
——print
——Return to zero setting
——Temperature setting

——Consumable setting
——Machine setup

5. Level the vibration compensation

Step 1: Click the screen Level to enter Z_offset, and click Probe to move the nozzle to the hot bed
Then adjust the distance between the nozzle and the hot bed and return Z_offset when done Click Auto_level for 36 point auto leveling, klipper will automatically save when the leveling is complete
Restart the system and the leveling is complete。



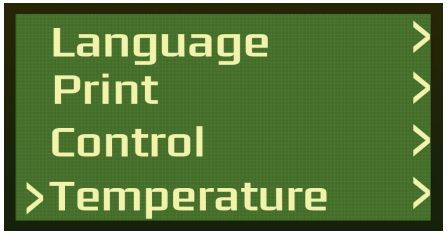
Step 2: Click the screen Input_shaper for vibration compensation
Note: Printer vibration compensation will produce high frequency vibration noise, this is a normal phenomenon
Klipper will also automatically save and restart the system when the shaking is complete

6. Wifi configuration

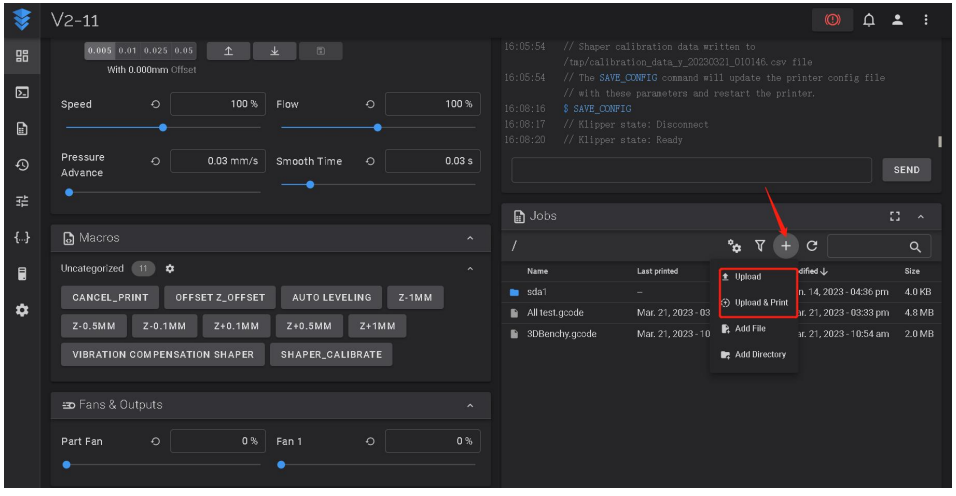
Open wpa_supplicant-wlan0.conf on your USB flash drive and fill in your Wifi name and password
Plug in the USB port of the printer, power off for one minute, and restart the printer
If the IP address is displayed, the WIFI configuration is successful.
Note: The IP address must be selected to be fully displayed.

7. Printing method

Print via screen
Go to the Print option on the display screen and select System Print or USB flash drive print
The system file is a Gcode print record generated through the web side USB print is a Gocde file on a USB flash drive

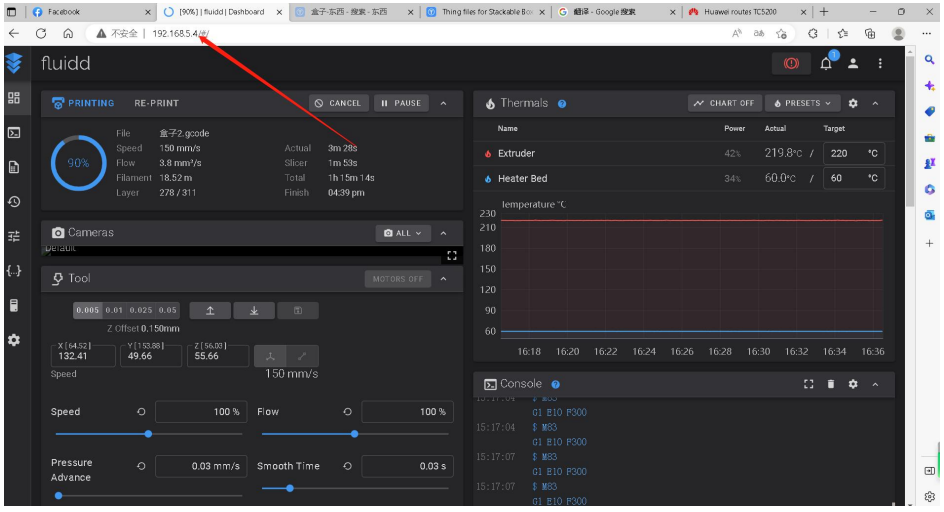


Print through the web side
Add a print file as shown
(See Cura Settings for the Gcode file)
(See Section 8 of the table of Contents for the Klipper web side tutorial)



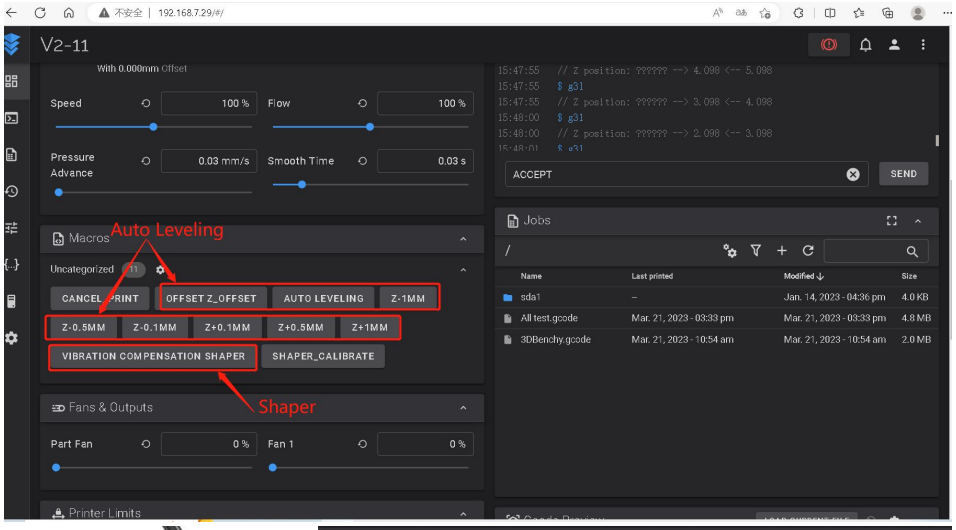
8.Klipper web side use tutorial

Step 1: Create a web page and enter the IP on the display screen to enter the operation of Fluidd interface



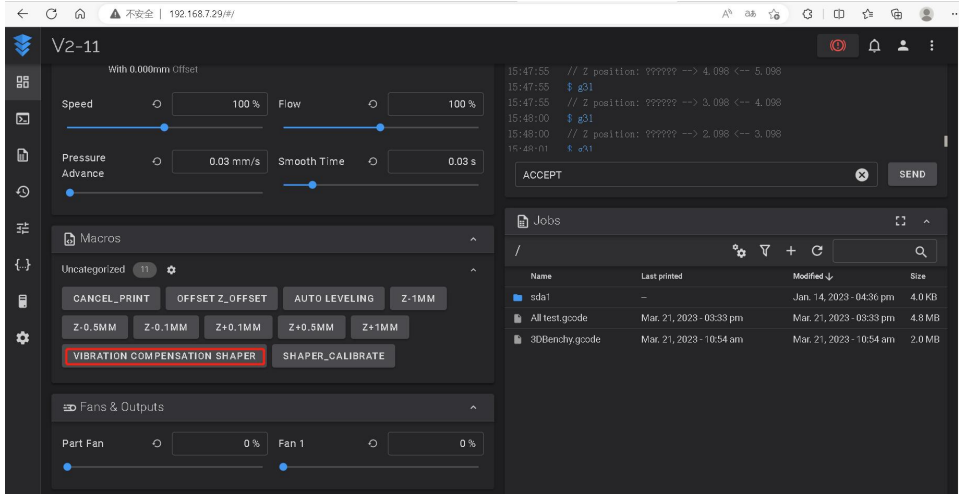
8.Klipper web side use tutorial

Step 1: Drop down to the Macros option and click the Offset z_offset button to move the printer to the hot bed
In the center, click Z-1mm z-0.5mm z-0.1mm Z+0.1mm Z+0.5mm Z+1mm to adjust the distance between the nozzle and the hot bed (0.1mm, about a sheet of A4 paper After adjustment, click the command bar ACCEPT to send.
Step 2: Click Automatic Leveling for 16-point leveling. After the leveling, klipper will automatically restart and save data.

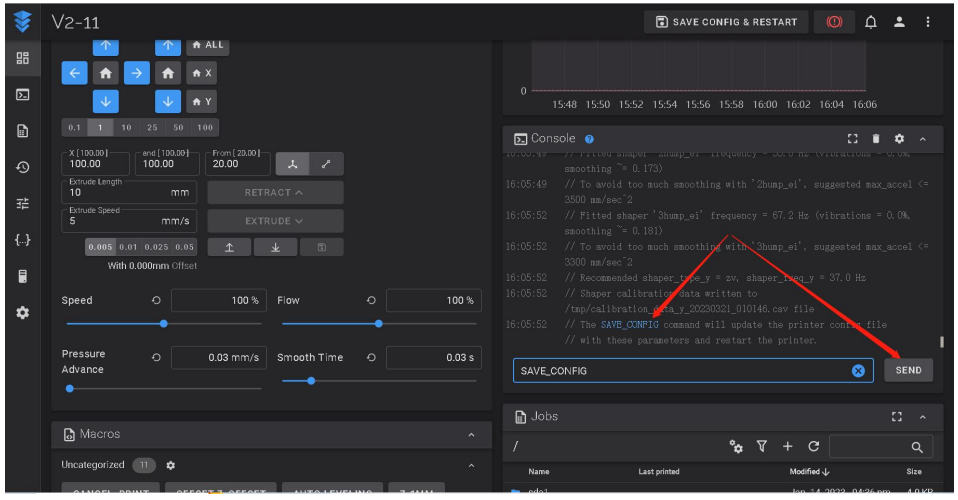


8.Klipper web side use tutorial

Step 1: Drop down to Macros, click vibration Compensation shaper, and wait for the vibration frequency data.
Note: When executing the vibration compensation process, the vibration compensation shaper will generate vibration noise.

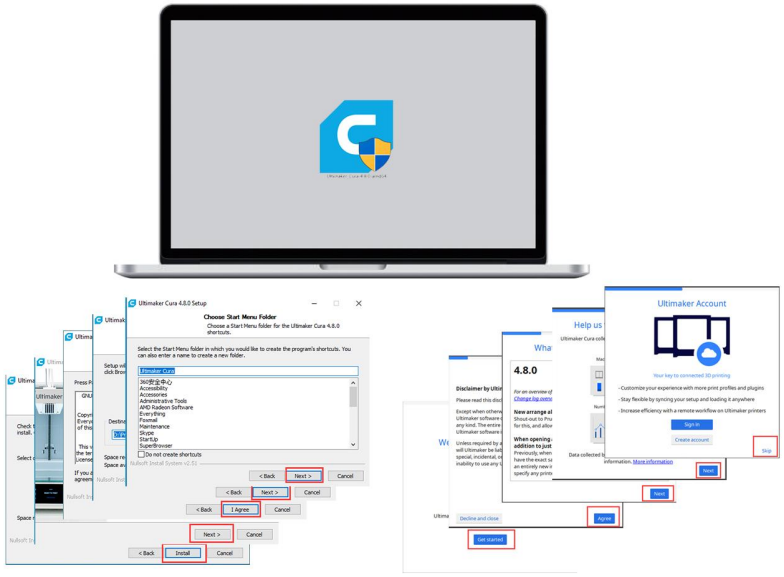


Step 2: To view the vibration data, click SAVE_CONFIG and Klipper will automatically restart

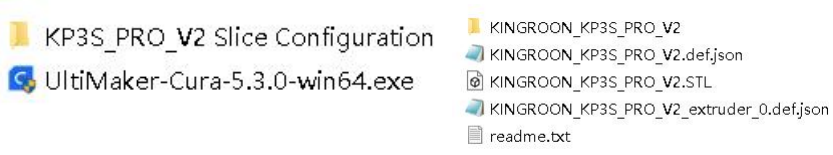


9. Install the software

Step 1: Find the Cura Slicing software on the TF card and install it on your computer (please remember the installation location)

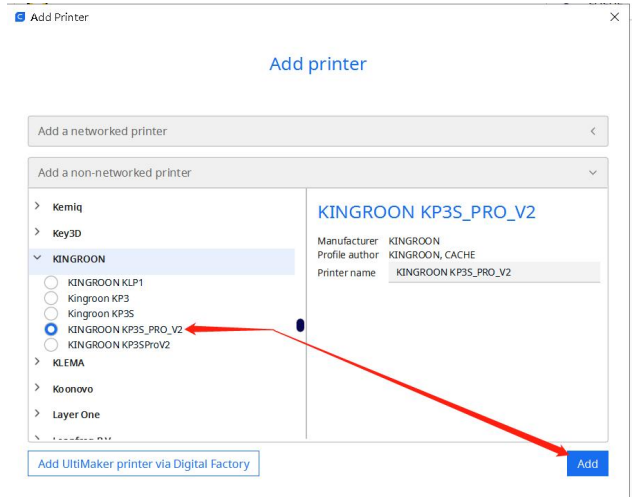


Step 2: Open the configuration folder of KP3S Pro V2 and proceed with the installation instructions in the installation folder
Machine configuration. After configuration, you need to restart Cura

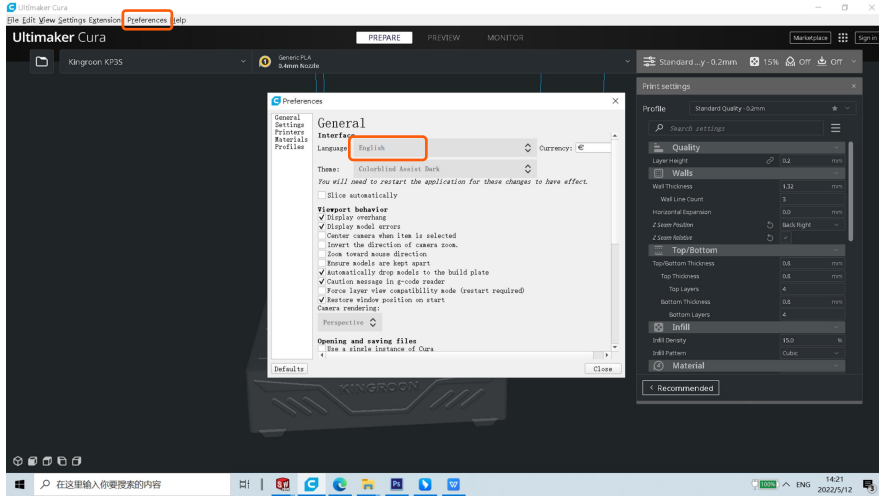


10. Software Settings

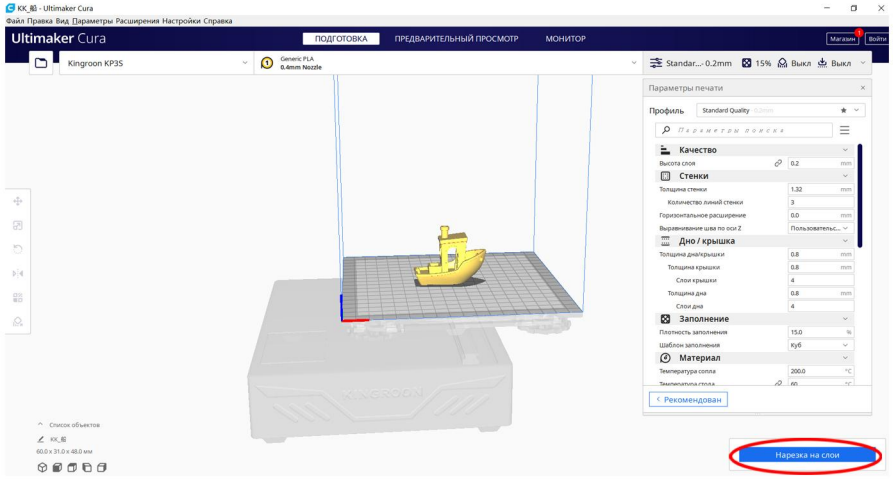
Step 2: Add your printer to Cura
Start Cura – Click on “Settings” – “Printer” – “Add Printer” – “Add a networked printer” – select “Kingroon” – “KP3S Pro V2” on the dropdown menu



Select the language you want and restart Cura



10. Software Settings



Kingroon has configured all parameters.

You can save Gcode directly to the SD card.

If you have printing problems after changing the Settings,

Please contact the customer service of Golden Dragon.

We will solve your problem as soon as possible,

You can also join a Facebook discussion group

11. Precautions

Note: Each 3D printer has been tested before leaving the factory. If there are still a few fine threads, this is a normal phenomenon and will not affect the performance. A safe working environment.

KINGROON 3D printers should be equipped with original transformers or power supplies. In addition, it may damage the machine or even cause a fire. Always place the printer on a stable base and do not tip it over. Please ensure that the printer is kept away from combustible gases, liquids, and dust during printing (running/working). The high temperature generated during printer operation may react with dust, and liquids or flammable gases in the air may cause a fire

The temperature of using the printer is 10 ℃-30℃, and the temperature is 20% -70%. Using printed materials outside of these ranges may result in poor printing performance. Please do not expose the printer to moisture or heat.
Do not use the printer in the following situations: electrical storm. The printer is only used in ten rooms. If the printer does not start for a long time, please turn off the printer and unplug the power cord.

Safety manual

1. When the printer is working, do not touch the heating components, even if wearing gloves. Extremely high hot stars can cause gloves to melt and cause severe burns to the gloves. Medical advice: The nozzle indicates that there may be a fever of 260 ℃, and the printing bed can be heated to 100℃
2. Do not touch any work while the printer is printing. Suo Chuantou and other mechanical components will be transported at high speed

Daily maintenance

Please perform dust removal and lubrication on the printer every month.
If you do not use the printer for a long period of time, please remove the material and keep the storage environment dry and dust-free.
The printer should be placed in an environment with stable leakage.
The sudden drop in temperature will affect the printing quality.
When squeezing the printing nozzle, please ensure that there is sufficient space and platform between the nozzles; Otherwise, the nozzle will be blocked

1. Clean and maintain the printing platform. If used, please replace the tape
2. Preheat the nozzle and extrude a small amount of fine wire.
3. When the nozzle is still very hot, use a brush to clean excess material
4. Pre load the printing table well to make it flat.