Imágenes ilustrativas

USER MANUAL
SHAPE R 2K 01

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NOTES

1. Do not use the printer any way other than described 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 in case damage to 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 after the print is finished. please wear gloves to take out the print 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. Tips Do not plug or unplug the power cord when power on.
12. 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.

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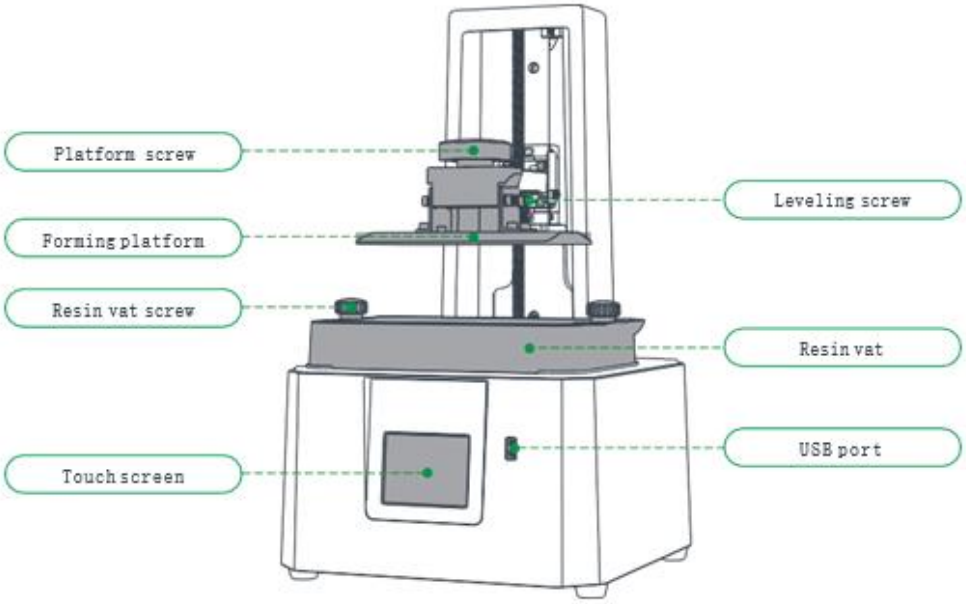
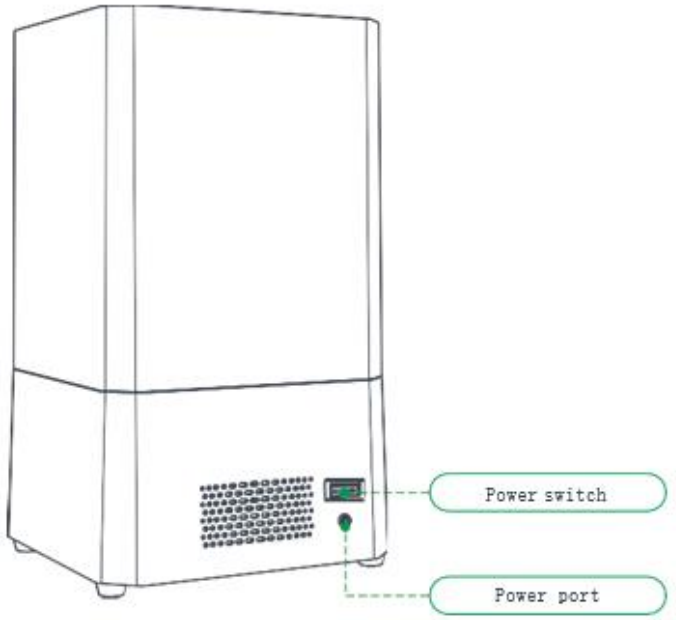
1. Product appearance





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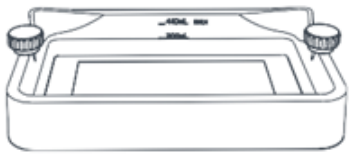
2. Packing list

1 Print platform



2 Resin vat

3 3D printer

Tool list

1 U disk

2 Screwdrivers ×1set

3 Adapter

4 Paper funnel

5 Metal blade

6 Plastic blade

7 Calibration card

Tips: the above accessories are for reference only lease refer to the physical accessories !

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3. Information about the interface

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4. Device Check

Note: Check that the light source is working properly.
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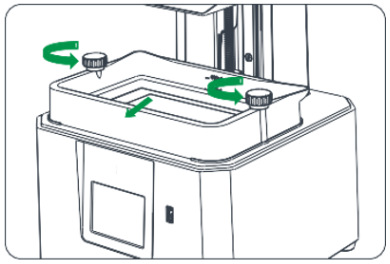
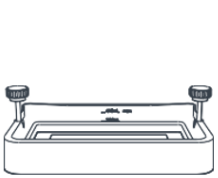
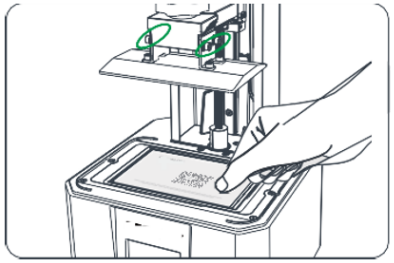
5. Leveling Guide

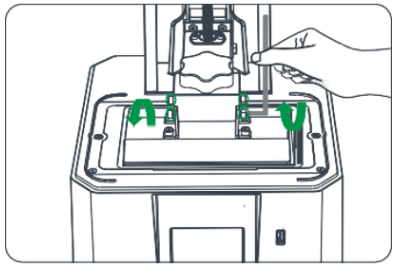


1. Raise the platform, loosen rubber screws on the left and right sides of the resin vat, and take out the resin vat.





2. Loose the four screws on the connecting plate on molding platform plate, attach calibration card on the printing screen, press Settings →Print Settings→ Z axis movement →Leveling, Check whether the platform fits evenly with the paper by referring to the steps on Page 6.



3. After confirming that the calibration card fit evenly, lock the four screws of the platform.

Note: The 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.

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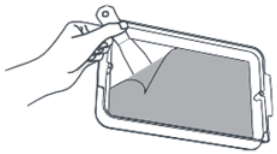
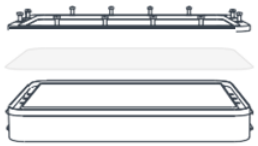
6. Release Film (FEP) Replacement

❶



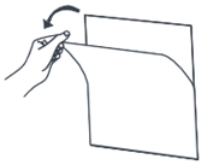
Recycle the resin in the resin vat back into the original bottle, then clean up. (Note: Please make sure there are no residue matter left inside the Vat)

❷



Remove all the screws at the bottom of the resin vat, take out the fixing plate and the release film. (Note: The fixing plate and the vat bottom need to be cleaned)

❸

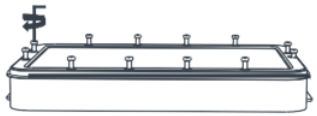


Gently remove the protective film of the release film.

❹

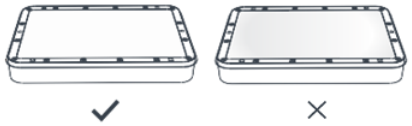
Align the release film with the fixing plate

❺



Press into the bottom of the vat, and tighten the screws diagonally across from each other one at a time. (Note: Make sure there are no debris between the fixing plate and release film)

❻



Make sure the release film is flat and tight after installation. (Note: If not flat or loose, please check whether the screws are locked or the release film is abnormal)

Parameters

Size: 200*140mm

THK

Thickness: 0.15mm

Light Transmittance: >95%

Tips: ① The diagram is a reference for the film change procedure, please refer to the physical product; if there are excess edges after installation of the release film, you will need to cut them off.
② It is recommended to replace the release film when it has been used for more than 200 hours.

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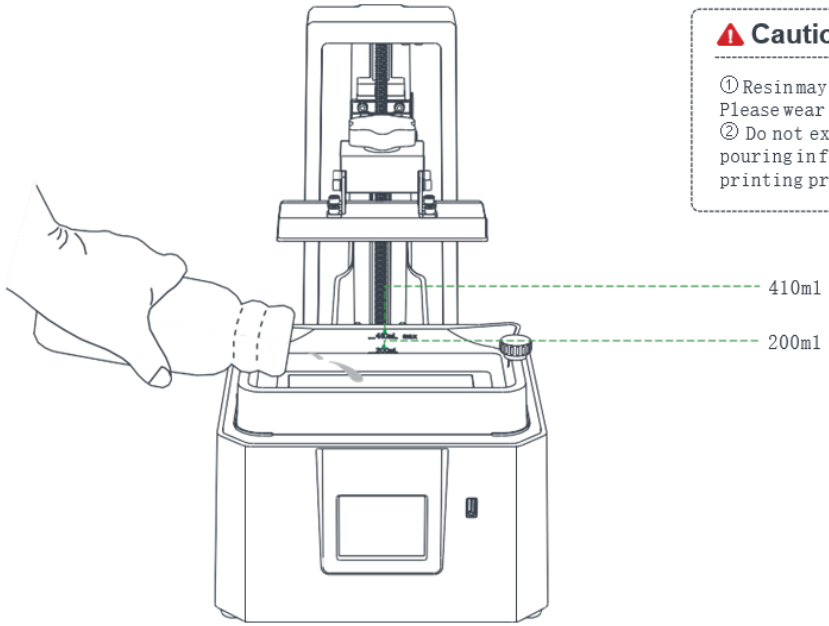
7. Resin in

Pour the UV photosensitive resin into the resin vat. The slot capacity is 200ml/410ml。



⚠ Caution:

① Resin may cause skin irritation or an allergic skin reaction. Please wear gloves before use to avoid direct contact with the skin.
② Do not exceed the maximum capacity scale of the tray when pouring in filaments to prevent them from overflowing during the printing process.

Tips: How to change resin?

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

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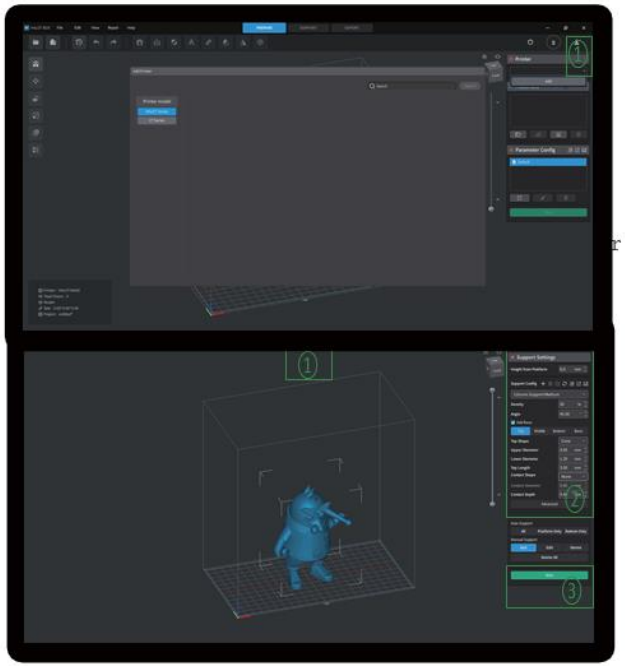
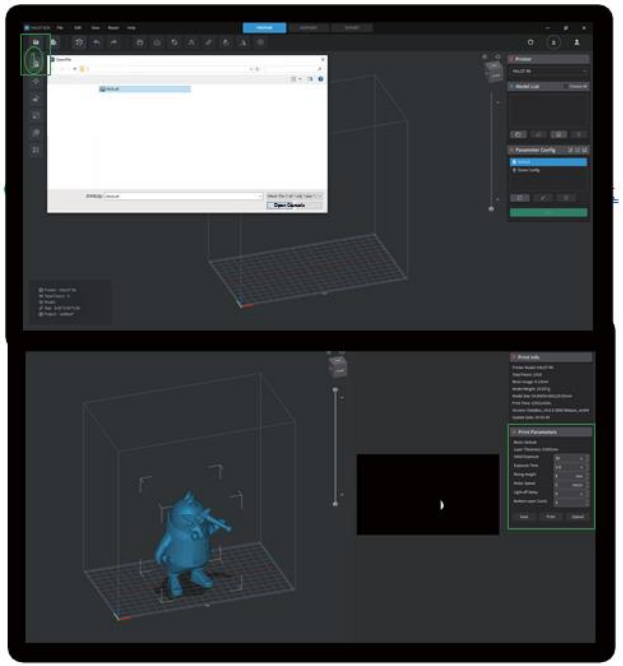
8. USB Disk Printing

1. Slicer



❸ If a support needs to be added to the model, click the icon ① above and set the corresponding parameters ②. Then click "Slice" ③ to start slicing.



❹ After the slicing is completed, the printing parameters can be set according to the model requirements.

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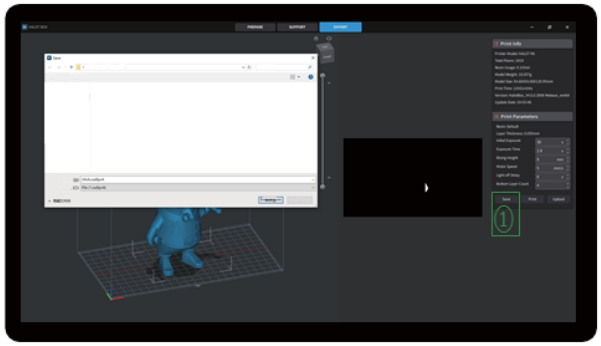
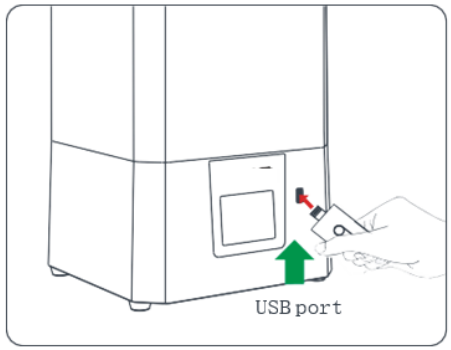
8. USB Disk Printing

2. Print



❶Click Save ① to save the generated cxdlpv4 type file to the U disk.



❷Insert the USB disk

Warning

During the printing process the machine can't be shaken, so as not to avoid influencing affect the printing quality.

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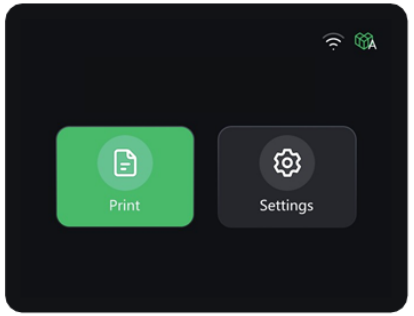
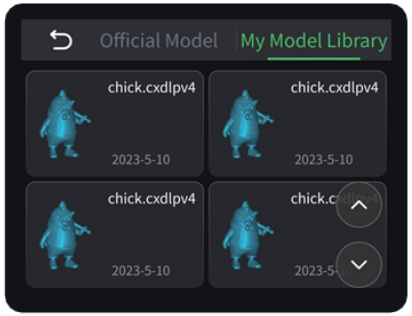
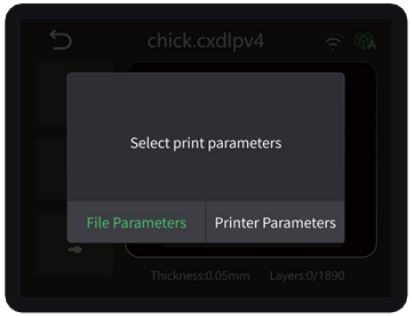
8. USB Disk Printing





1 Select USB disk files;



2 Choose to use parameters

3 Waiting to print

4 Printing

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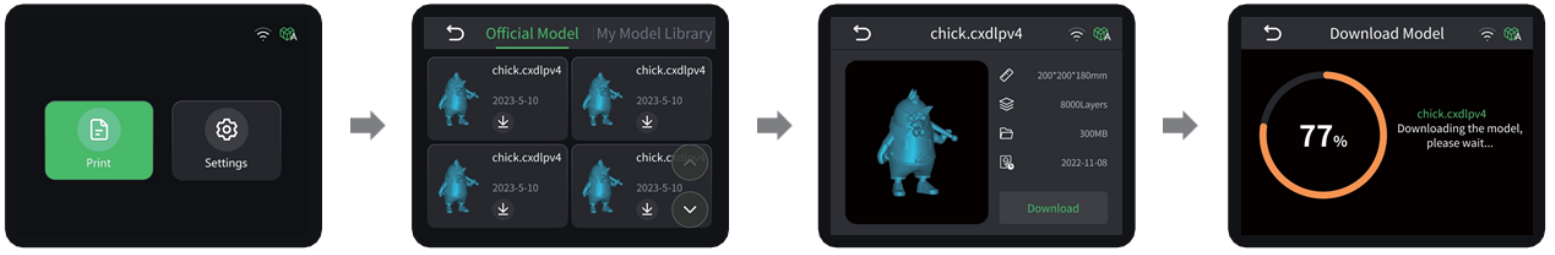
9. Cloud Online

Make sure WiFi is correctly connected before using online printing

Steps: Settings → WiFi → Select the corresponding WiFi.

Warm Tips: ① Only 2.4GHz WiFi is applicable to the 3D printer, and it cannot be connect to 5GHz WiFi routers;

② Only WPA-PSK/WPA2-PSK security protocol is applicable to the 3D printer, and other protocols may result in the failure to connect the printer to WiFi properly. To change the security protocol, users may change it in setting interface of the router.



1 Select model library model.

2 Click to download.

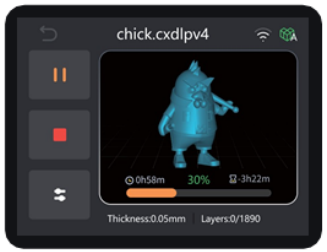
3 Waiting for the model to download.

4 Waiting for the model to finish loading.

5 After the model is imported, click "OK".

6 Choos to use parameters.

7 Waiting to print.



7 Printing

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11. WIFI Print

1、Before wireless printing, make sure the HALOT BOX is connected to the same local area network as the printer.
2、Enter password before transfering the file, Be consistent with the password set on the printer.
(Click “Print Settings → HALOT BOX → Password”)

1. Slicer

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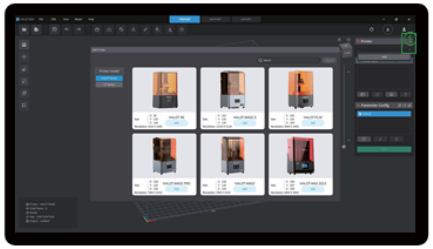
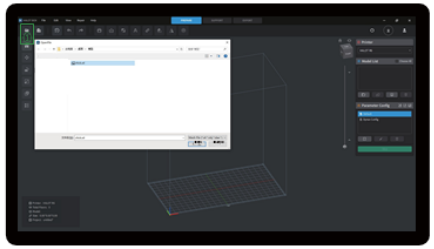
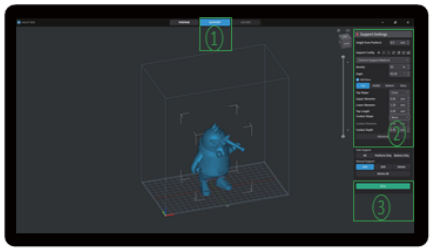


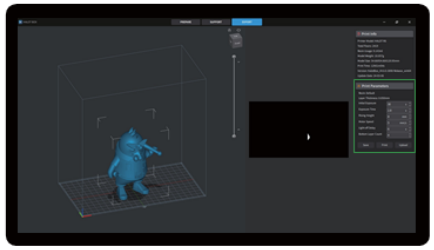
1 Open the HALOT BOX software, click the icon ① in the upper right corner to add the printer.



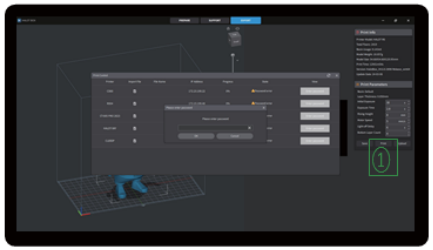
2 Click the icon ① in the upper left corner to open the model file.



3 If a support needs to be added to the model, click the icon ① above and set the corresponding parameters ②. Then click "Slice" ③ to start slicing.



4 After the slicing is completed, the printing parameters can be set according to the model requirements.



5 Click to print ①, enter the password and then click to start transmission.

6 Once the transmission is over, select the file on the machine to start printing ①。

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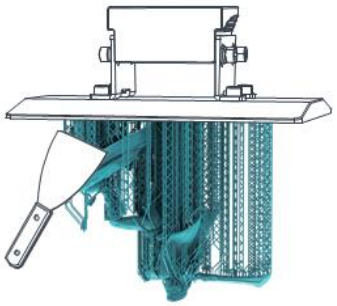
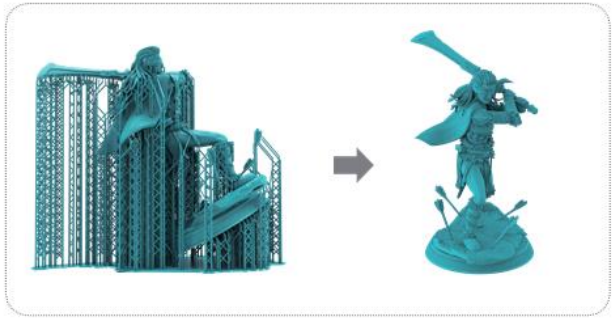
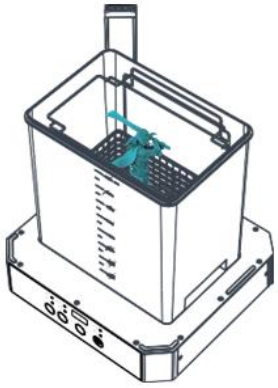
12. Post-processing Guide



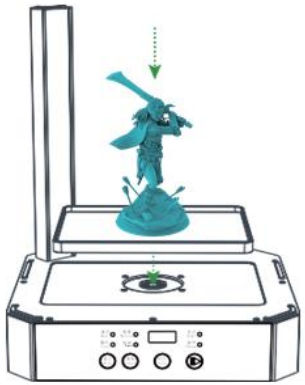
1 Remove the printed model with a blade;



2 Remove the support from the surface of the model.



Clean the model;



Cure the model;

Please dismantle the model with reference to this process and consult the official customer service if you have any questions.

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13. Equipment parameters

Basic Parameters	
Model Name	Xugu-T005
Build Size	130.56*82.62*160mm (length*width * height)
Screen resolution	2560*1620
Pixel size	51*51μm
Print Speed	1-5s/layer(0.05mm-0.2mm layer thickness), 60mm/h
Layer Thickness	0.01-0.2mm
Print screen	6.08″ print screen
Light Source Type	Integral light source
Rated Voltage	24V ⎓
Rated Power	42W
Print Method	USB Disk, WiFi Print
Machine Language	English/Español/Deutsche/Français/Portuguese/italiano/Türk/
Slicing Software Operation System	Window 7 and above 64-bit operating systems and Mac systems
Compatible Resin	405nm, all photosensitive resins

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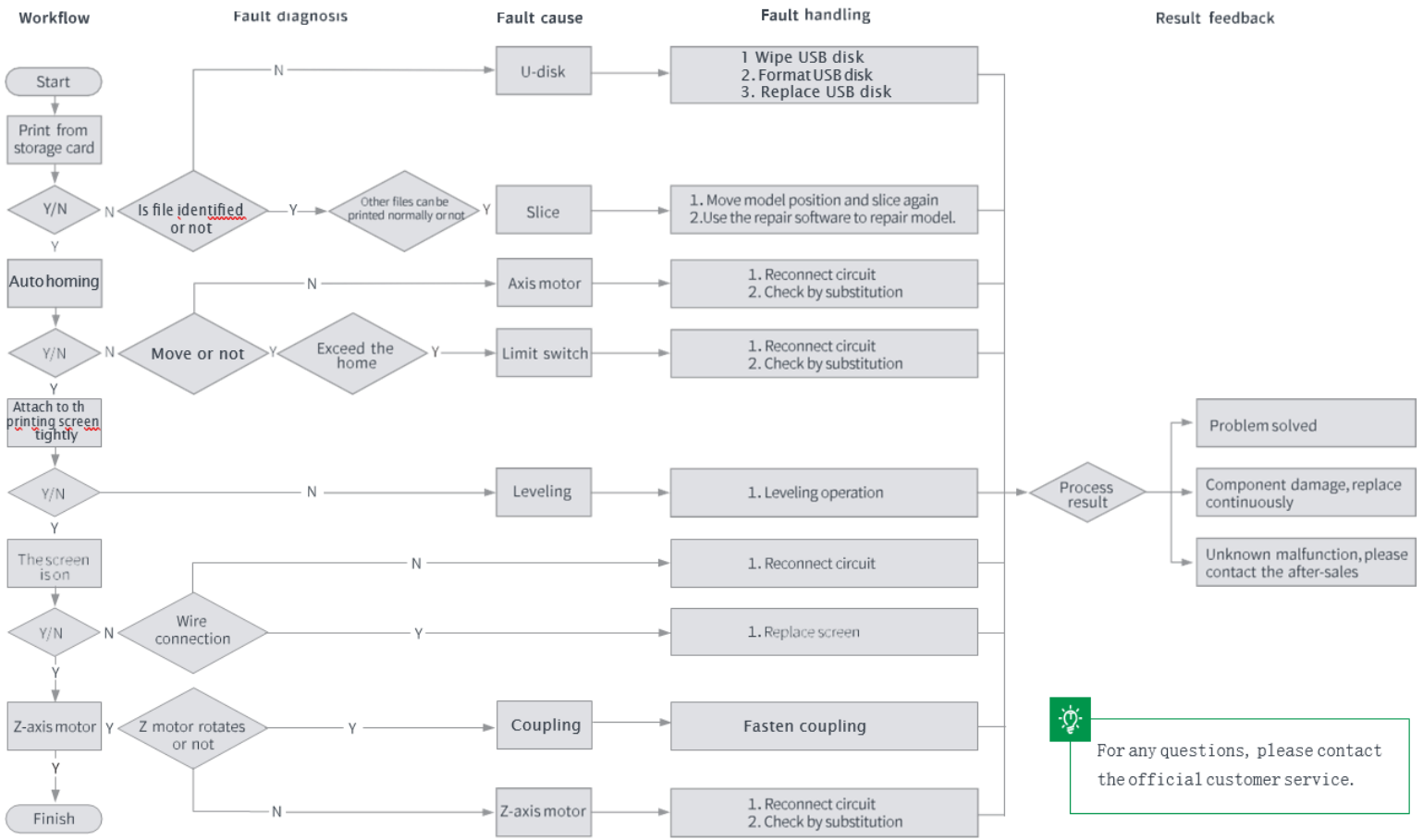
14. Troubleshooting



The information contained in this product brochure may change without notice.

For more information, please contact:

sales@jpik.com | www.jpik.com

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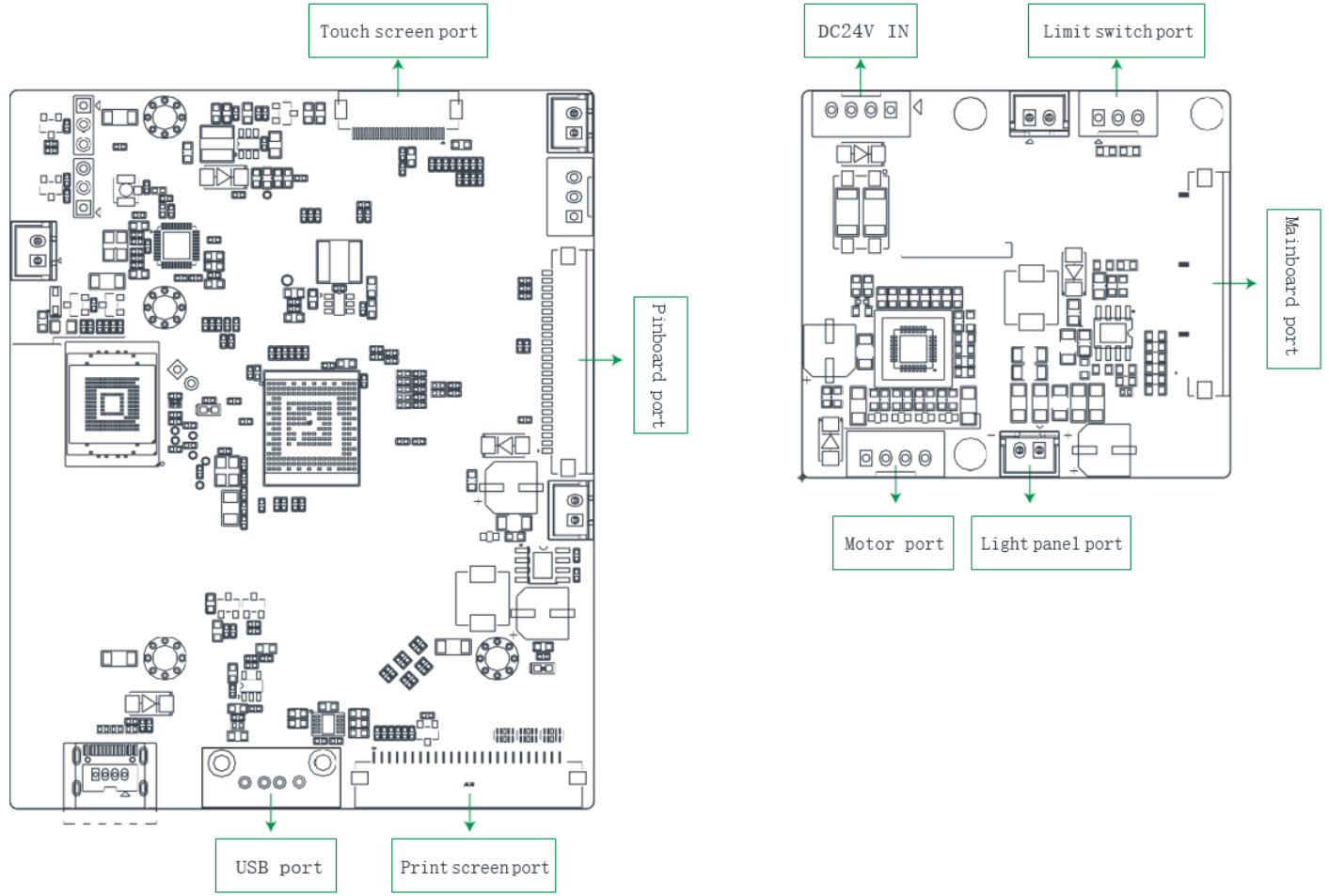
15. Circuit board wiring diagram



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16. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.