

Manual of three head 1313 UV printer

National Service Hotline: 400-617-9998

Manual of three head 1313 UV printer

 Please read this instruction carefully before use and keep it in a safe place

Content

Foreword.....	03
Safe guide.....	03
Chapter one: Printer overview	
1.1 Product technical	05
Chapter two Installation guide	
2.1 Computer configuration.....	06
2.2 POST.....	06
2.3 Installation description.....	06
Chapter three Debugging guide	
3.1 Machine structure diagram.....	08
3.2 PhotoPrint installation guide	09
3.3 PhotoPrint setting.....	12
3.4 Switch button description.....	16
3.5 Setting of PC terminal and control software	17
3.6 Control Panel Menu Architecture.....	22
3.7 Board Description.....	26
3.8 Nozzle description.....	26
Chapter 4 Troubleshooting	
4.1 Matters needing attention.....	28
4.2 Troubleshooting.....	28
Chapter Five Care and Maintenance	
5.1 Daily maintenance	29
5.2 Care and maintenance of the printer guide	
rail	29

Foreword

- Thank you very much for choosing to buy our company's UV machine.
- In order to ensure that you can fully understand the performance and use this product correctly and safely, please be sure to read this instruction thoroughly and keep it in a safe place.
- The content of this manual and product parameters are subject to change without prior notice.
- Every effort has been made to edit this description and test this product, if you find any errors please let us know, we are very grateful.

Ensure installation and proper use

- In order to ensure safe and correct use of this product, please read this manual carefully before use.
- Be sure to keep it in a safe place and refer to it when necessary.
- Do not let children or non-professionals touch this product.

Description usage conventions

- Ensure safe and correct use of this product to avoid personal injury and property damage, make sure to fully understand the differences between the following classifications before reading the instructions.
- **WARNING** Ignoring such precautionary information could result in operator injury.
- **CAUTION** Ignoring such precautionary information could result in operator injury or equipment damage.

Safety guide

Please read the following instructions before using this product.

Precautions for Printer Installation



WARNING

- Do not install and use the printer near volatile solvents (alcohol or thinner). Do not place any objects on top of this product.



CAUTION

- Do not put this product in a place that is inclined or prone to vibration.
- Placing it in this way will cause rollover or damage to the device. Avoid using this product in the following places
 1. Excessively humid or dry places
 2. Places exposed to direct sunlight
 3. A place near open flame or moisture
 4. The suitable environment for this product is: temperature 18° C-30° C, humidity 35%-60%.

Power Safety Precautions



WARNING

If the power cord appears damaged, disconnect it as soon as possible and repair it yourself.

- Be careful that electricity may leak in the damaged place, which may cause a fire or a short circuit.
 - It is forbidden to use wet hands to plug and unplug the power supply to avoid electric shock or short circuit.
-
- Avoid multiple devices using the same electrical outlet. This may cause a short circuit or even a fire.
-
- Do not bundle or wrap the power cord, this may cause a short circuit or even a fire.
-

When installing the ground wire, special attention should be paid to;

- Appropriate ground wire position: the terminal of the power supply and the terminal of the ground pile, It is forbidden to use grounding wires such as water pipes, gas pipes, telephone wires, and lightning wires.
-

Operational Safety Precautions



WARNING

- Do not attempt to disassemble and repair the device yourself.
- If the device has abnormal conditions such as noise, smoke or fire, or unpleasant smell, you need to turn off the power immediately and contact the manufacturer where you purchased the device.
- Do not use flammable objects or products around the equipment.
- Before moving the device, it needs to be unplugged.
- When moving the device, make sure the print head is in the home position.

Repair and Inspection



WARNING

- Before cleaning, make sure the power is turned off and the power cord has been unplugged.
- Clean the printer with a cloth dampened with cleaning fluid, do not use volatile solvents from alcohol lamps to clean the printer.

Precautions and handling of consumables such as ink cartridges



WARNING

- Do not use any ink other than the specified range, or it will affect the print quality.
- Do not use expired ink, it may cause equipment failure.
- The disposal of waste ink needs to be carried out in accordance with relevant laws and regulations.
- Be careful not to get the ink on your skin or clothing.
- Check the waste ink bottle regularly to avoid overflow.

Ink needs to be stored in a cool place, not in a place with high temperature or direct sunlight.

Chapter 1 Overview of Three-head UV1313 Parameters

1.1 Product Specifications

Model	1313		
Printing width	1300MM*1300MM		
Resolution and speed	6PASS	5m ² /h	
	8PASS	3.5m ² /h	
	12PASS	2m ² /h	
Ink type	UV ink		
Ink color	8 colors、C M Y K LC LM W V		
Ink supply way	Positive pressure ink supply, white ink stirring to prevent sedimentation		
Ink tank capacity	standard 500ML/bottle or 1000ml/bottle		
Media type	Acrylic, PVC, metal, glass, marble and other materials (common materials can be printed and tested by yourself)		
Media fixed way	Platform vacuum adsorption		
Printing height	0-150mm Height adjustable (it is recommended that the bottom surface of the nozzle and the printing medium should be controlled at about 2mm)		
Nozzle cleaning way	Fully automatic lifting ink stack, automatic cleaning, flash spray, moisturizing, etc.		
Display	LCD LCD display and computer software panel operation		
interface	Gigabit LAN interface		
RIP software	Standard Photoprint, MainTop RIP, etc.		
Operating platform	WIN7\WIN10 64-bit processor I5/I7 running 8G		
Voltage	AC220V、50Hz-60Hz		
Power supply	200W (待机) / 3.5kW (工作)		
Operating environment	Temperature: 15℃-25 ℃ Humidity: 40%-60%		
Gross weight	500kg		
Packing size	1770*1710*910 mm		

The technical parameters of the above products are subject to change without prior notice.

Chapter 2 Installation Guide

2.1 Computer configuration preparation

Desktop Computer Configuration Requirements

★1.PC Recommended configuration:

- System: WIN7 64 bit / WIN10 64 bit ,CPU : i5 or above
- Network card: Be sure to use Gigabit or above network card (network card is also called Gigabit Ethernet network card, which is automatically selected from 10M/100M/1000MAdapted to the network card, the maximum transmission speed can reach 1000Mbit seconds. Gigabit Ethernet network cards are mostly used in servers to provide
- The high-speed connection between switches improves the response speed of the network backbone system.)

Memory: 8G or above

Laptop Configuration Requirements

★2.PC Recommended configuration:

- System: WIN7 64 bit / WIN10 64 bit ,CPU : i7 or above
- Network card: Be sure to use Gigabit or above network card (network card is also called Gigabit Ethernet network card, which is a network card that adapts from 10M/100M/1000M according to the network speed, and the maximum transmission speed can reach 1000Mbit seconds. Gigabit Ethernet network card It is mostly used in servers to provide high-speed connections between servers and switches and improve the response speed of network backbone systems.)

Memory: 8G or above

2.2 POST

- Choose the right power supply
 - 2.2.1.1 Power supply voltage requirements
 - 2.2.1.2 Depending on the country and region, optional:
Printer power supply: AC220V 50Hz or AC 110V60Hz Computer power supply: choose the power requirements that match the computer and monitor
- For the equipment, the ground wire must be connected properly. (It is recommended to connect a separate ground wire to the ground on the ground terminal of the machine)In order to ensure a stable power supply, it is best to configure an online UPS regulated power supply.
- The machine power supply needs to be wired separately from the drying power supply.
- Without power, observe whether there is any inclination between the left side of the machine trolley and the table, power on to see the reset situation, add pure water or coolant to the UV light box.
- Turn on the machine and print pictures online and test the function is normal, then add ink and print head.

2.3 Equipment installation steps

2.3.1 Machine observation

- After opening the packing box, in the power off state, observe the space between the machine platform and the bottom of the trolley frame (1.8MM), whether the position of the grating and the grating decoder deviates, whether the position of the trolley origin limiter and the limit piece Collision, whether the ink tube behind the ink cartridge has creases or dead folds, whether the wiring of the fan and water tank is correct.
- Use a multimeter to measure the power supply provided by the customer, measure the voltage between the neutral line of the power supply and the machine shell, and set the gear to AC. If the voltage between them is greater than 10V, a 3000-5000VA voltage regulator should be equipped. Connect the outdoor ground wire, and use 1 meter steel bar to drive to the ground.
- Check the accessory box to see if the main accessories are complete, and fill any one of distilled water, purified water, and refrigerant into the UV lamp water tank.

2.3.2 Machine operation

- Power on to see if the machine resets normally. Adjust the origin of the ink station, the position of the scraper, the height of the scraper, and the height of the sealing nozzle.
- Ink, install copper hoop, ink bag adapter, ink bag, nozzle, draw ink bag with syringe, manually ink, insert ink bag.
- Plug the nozzle cable into the car board, start the machine to pump ink manually, automatically clean, print the nozzle test, and observe the status of the nozzle.
- 2.3.3 Debugging of the machine
- Install the printing software and the control center, set the curve of the printing software, the basic parameters of the print head mechanical vertical, head horizontal spacing calibration, step calibration, print head vertical, and UV lamp in the control center.
- Calibration and debugging: step calibration, mechanical vertical calibration of print head, vertical calibration of white color varnish print head, horizontal calibration of print head, two-way calibration.
- Make a picture online to see if the car of the machine stops at the left and right ends. If so, replace the operating system windows7 64-bit pure version, or replace the independent network card.

2.3.4 Application operation of the machine

- The application of training operators, how to replace the ink suction nozzle, ink sac, nozzle, and ink pump; Align the ink suction position, the height of the scraper blade, the position of the scraper nozzle, and the height of the head.
- The operation steps of the printing software; open the picture to be printed (JIP, TIFF, PDF, PSD,), how to change the size of the picture, how to set the spot color, how to print all white, understand the printing method and printing position of color white and white color.
- One-way and two-way each print the same picture for comparison.
- 2.3.5 Installation and setting application of printing software
- Follow the installation steps and settings in the operation manual2.3.6 Practical machine applications and common phenomena

Follow the installation steps and settings in the operation manual

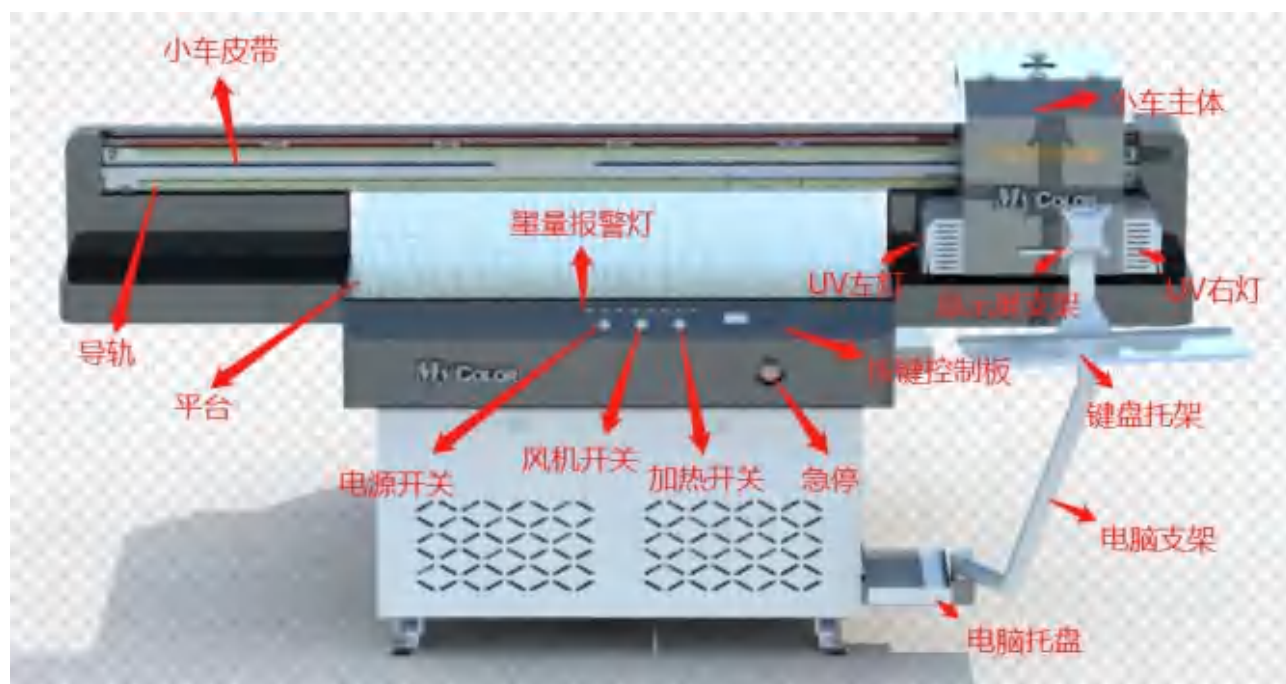


CAUTION

- Please select the power supply marked on the printer to avoid damage to the equipment due to the use of an unqualified power supply.
- Before turning on the power, please carefully clean and check the packaging foam paper, tape and clips for fixing the nozzle, etc.
- Connect the power cord
- Boot Device Self-Test
- Note: Before starting the machine, it is recommended that the user manually pull the trolley left and right for a full stroke to ensure that there is no interference between the printing platform and the nozzle bottom plate, and to ensure that the pipelines on the trolley frame do not interfere with the printer shell.。

Chapter 2 Commissioning Guide

3.1、Machine structure diagram



3.2 PhotoPrint Software installation procedure:

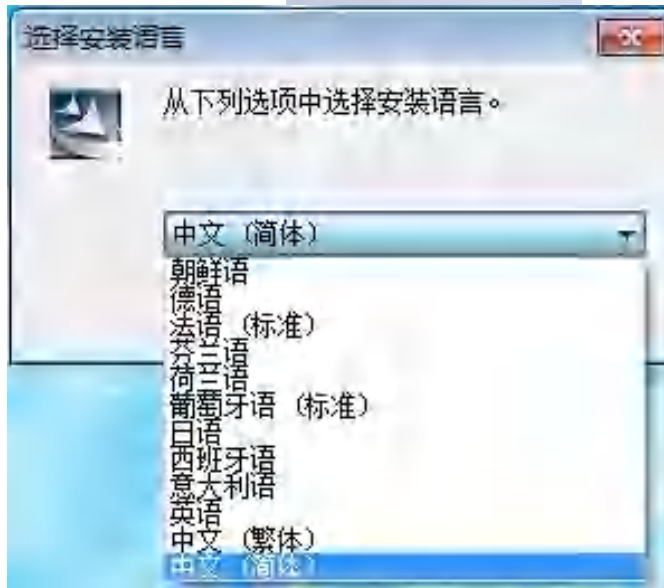
3.2.1、 Open the Photoprint directory, double-click the icon  to run the installer. Plug the dongle into the USB port.



U Disk

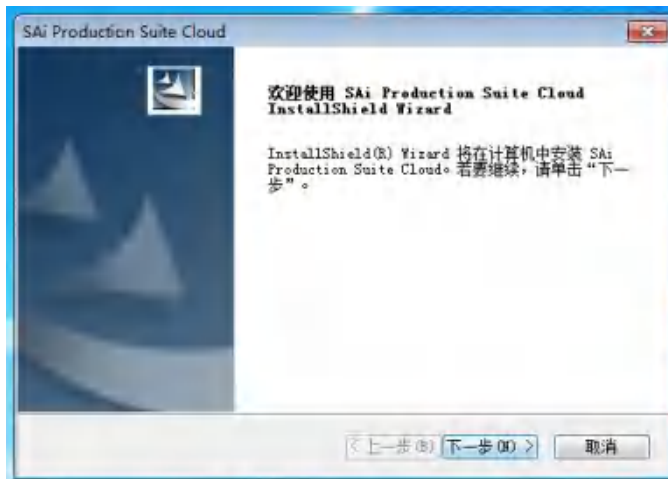
Dongle

3.2.2、



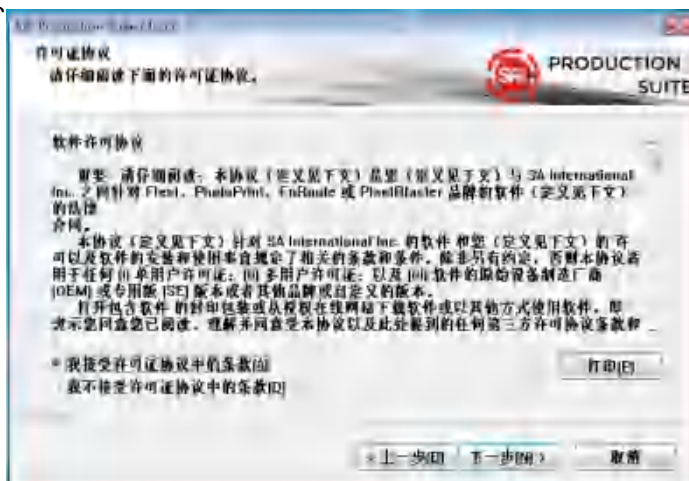
You can select the language, click OK.

3.2.3、



This screen click Next.

3.2.4、



Click the circle in front of the terms in the I Accept License Agreement and click Next.

3.2.5、



You can browse to install which drive letter, click Next.

3.2.6、



Click Safe Net Sentinel System Driver 7.6.4 Put a tick in the front box and click Next.

3.2.7、



Click next.

3.2.8、



3.2.9、When the following interface appears, unplug the dongle and click OK.



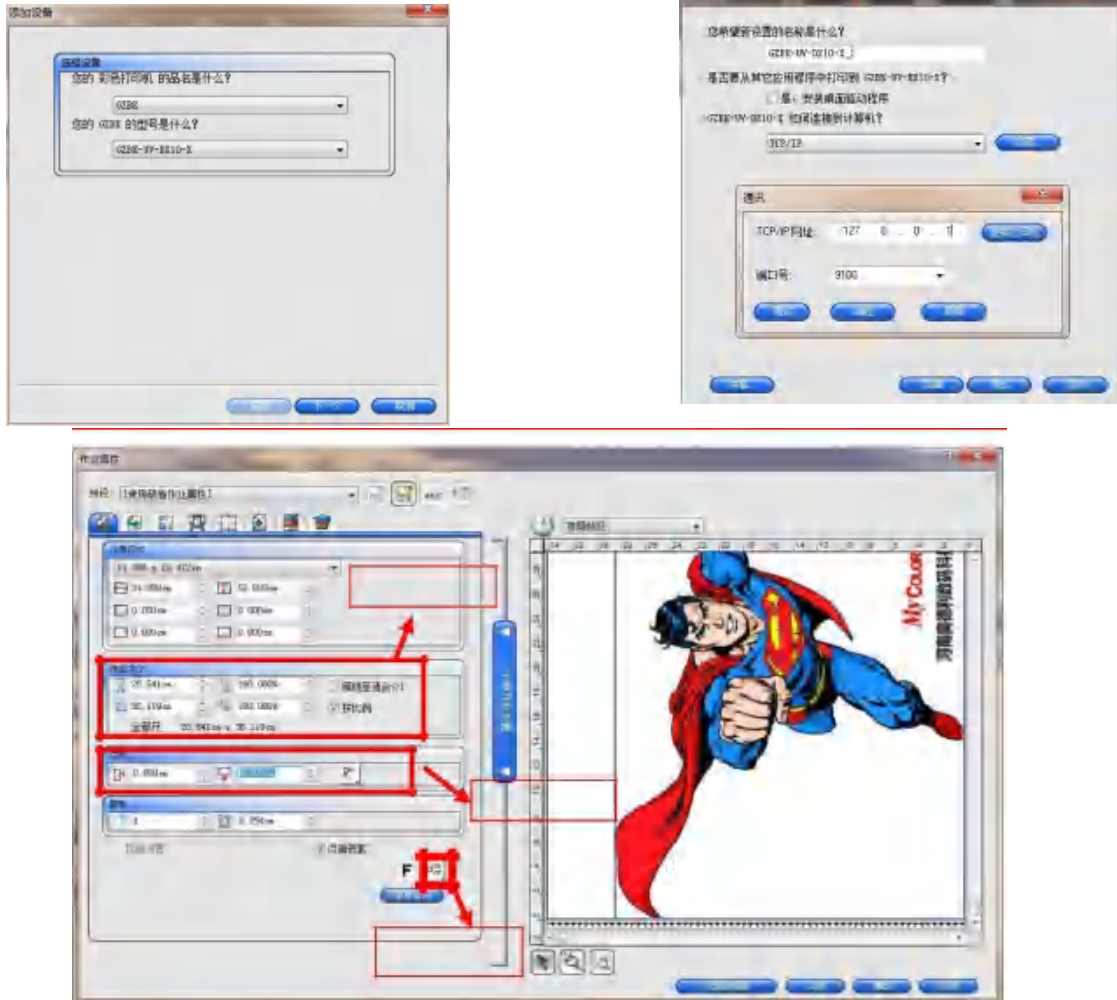
3.2.10、Wait for this screen to appear,



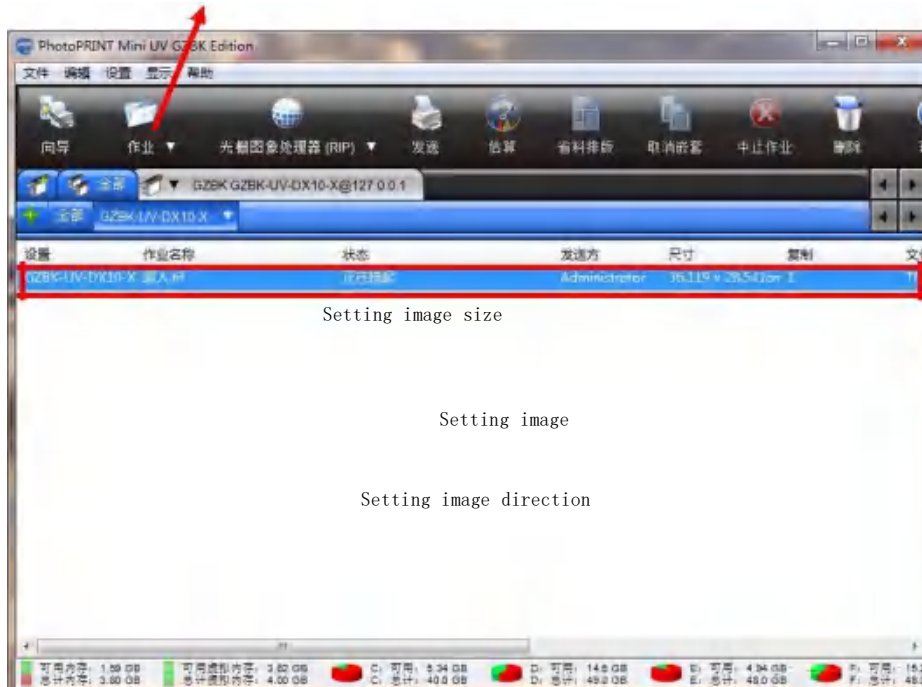


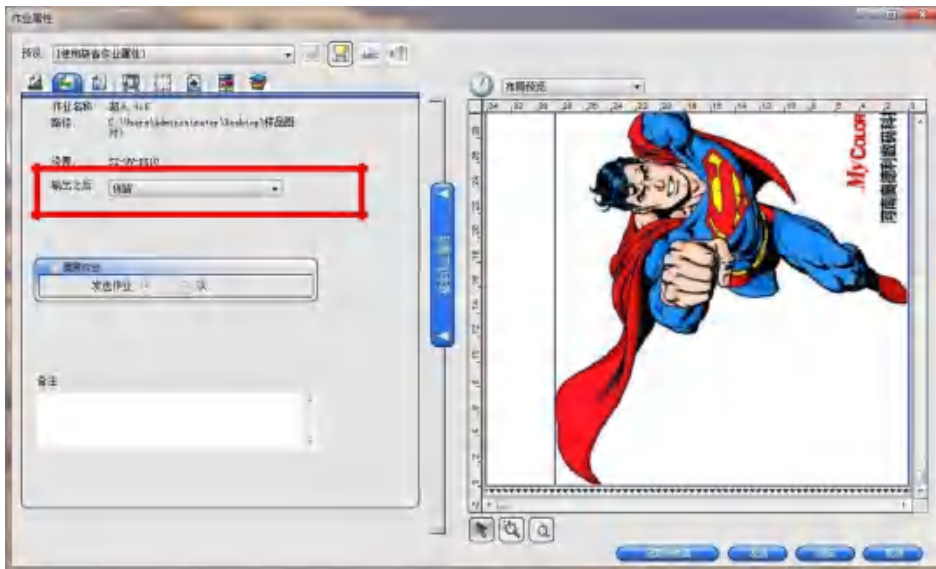
Click Finish. The icon is displayed on the desktop.

3.3、PhotoPrintsoftware settings:



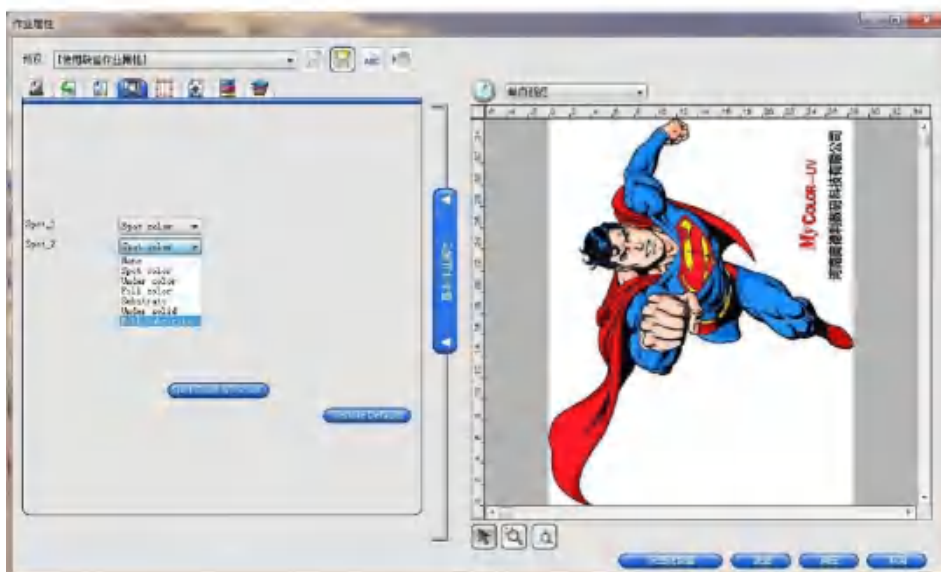
Click Add Job and double click on the image to open it





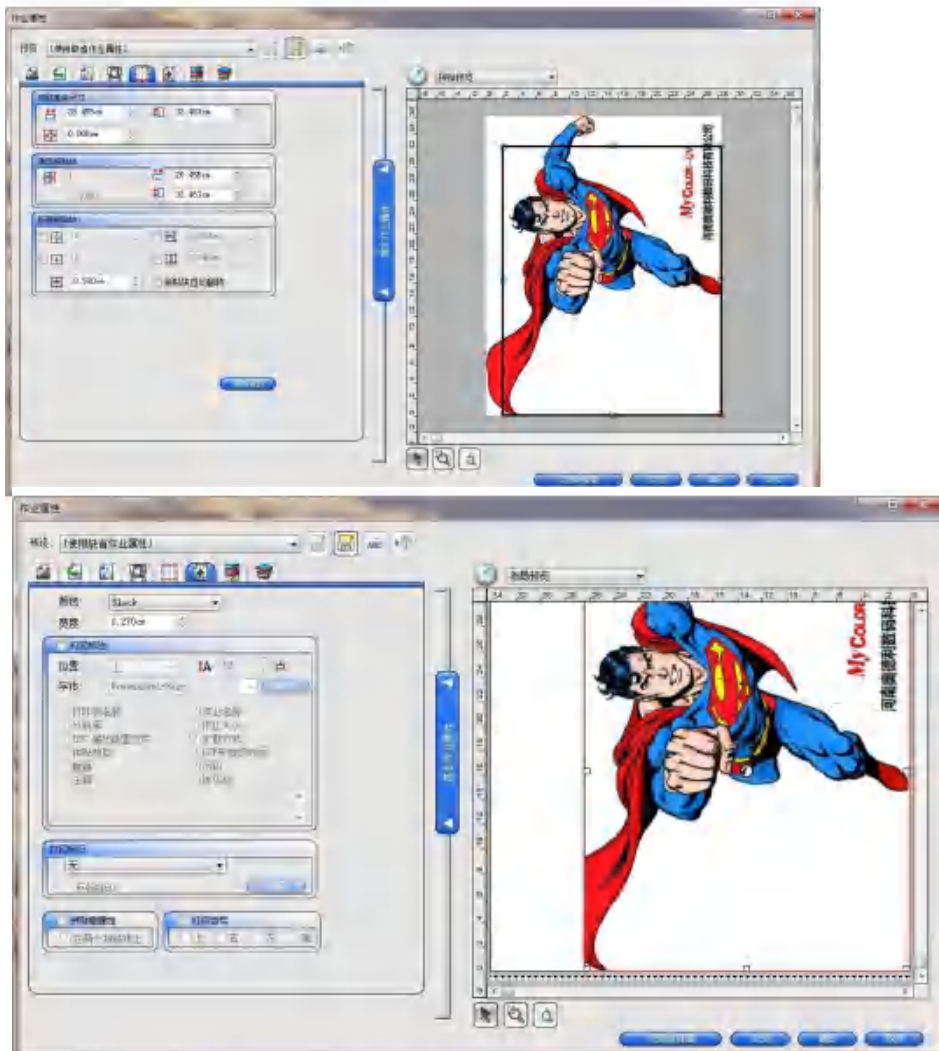
if you choose to keep the picture after printing, it will be saved in the software for the convenience of next printing

Add curve, select curve



Shrinkage is the choice of white ink relative to color ink can be reduced, can also be enlarged.

Spot refers to two channels of white ink, each containing 50% ink volume. Among them, None refers to no printing of white ink, Spot color refers to Spot white color, Under refers to printing of white ink in places other than white areas in a picture, Substrate refers to printing of all white ink within the picture size. Other options are not used.



Collage is to print only the picture in the black box, adjust the size of the black box can choose to print only part of the picture.

Tags and marks are printed on pictures with positioning marks.

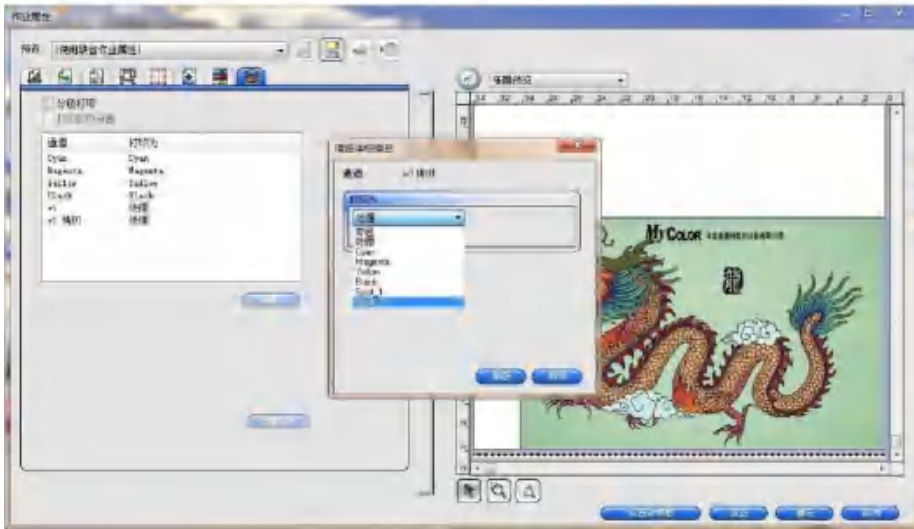


Color adjustment inside parameters do not adjust keep the default parameters.

When there is spot color channel in the picture, double click is needed to process.

Then the first [treatment] selects spot1

After setting the printing software, you can click Send to print directly, or click OK to save the printing Settings, after sending.

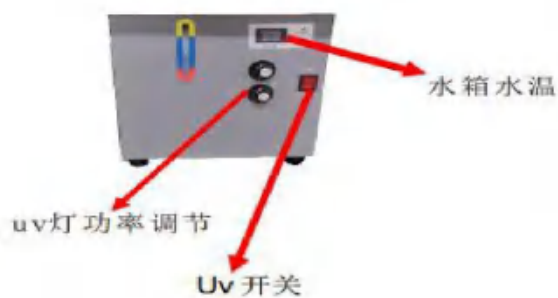


3.4、Device switch button description:

3.4.1LCD button description



3.4.2 Power socket, host switch, UV lamp adjusting knob, network cable socket



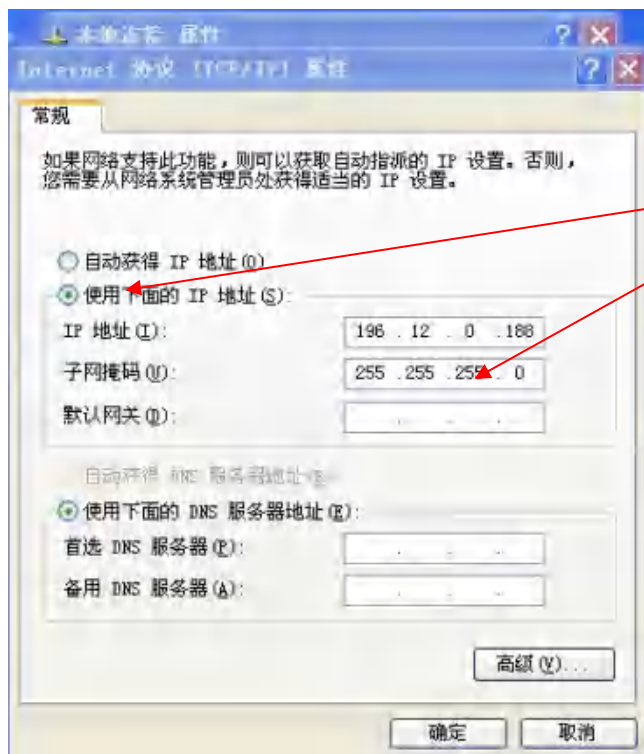
3.5 PC terminal setting and control software setting

3.5.1 Setting computer network IP

Right click the Network Neighborhood icon to select Properties ->Select Local Connection, and right-click Properties to open this interface

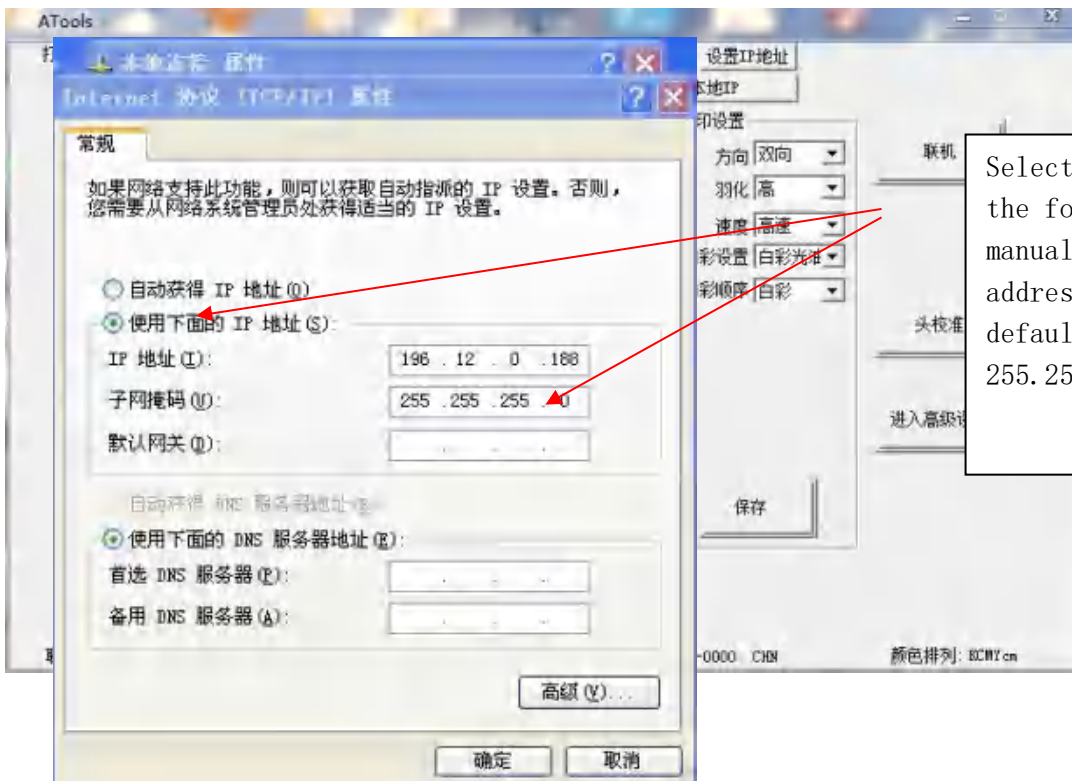


Double click Internet Protocol (TCP/IP) to pop up the following interface



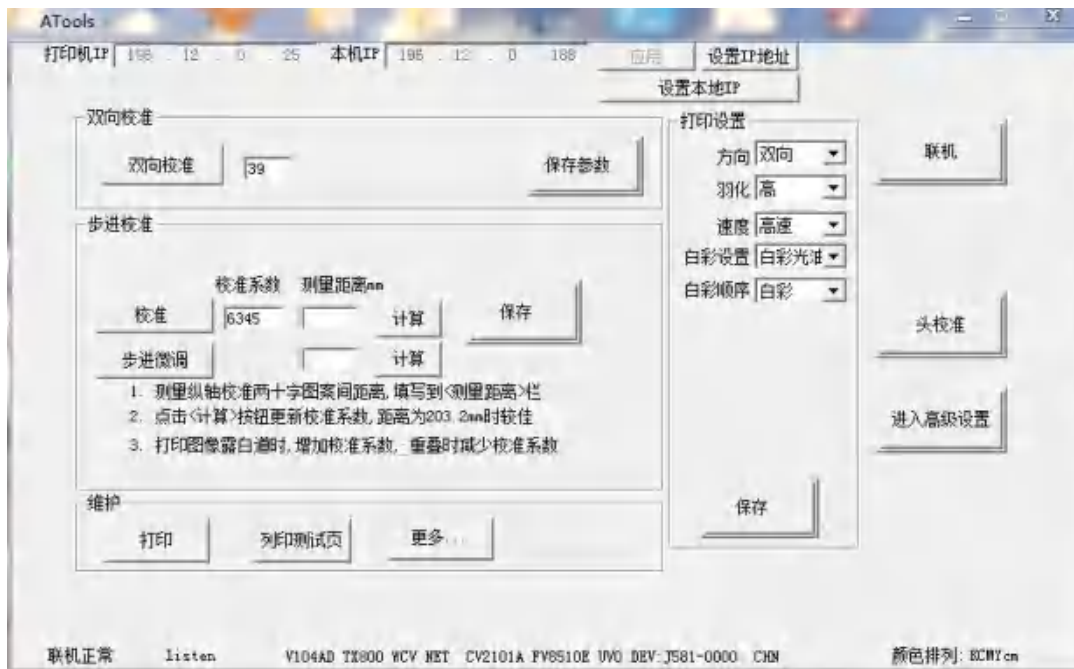
Select the following IP address options to manually enter the IP address:
196.12.0.188, the subnet mask system defaults to 255.255.255.0

Online software interface



Select the option to use the following IP address, manually enter the IP address: 196.12.0.188, the default subnet mask is 255.255.255.0

Online software interface



3.5.2 Setting the calibration tool IP

Open the calibration tool

Click the "Set IP Address" button, and enter 16753 five digits in the pop-up password box. Change the printer IP to 196.12.0.25;

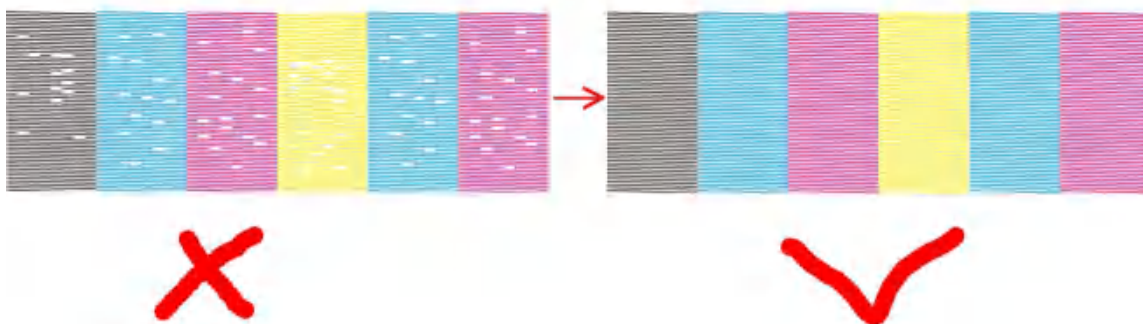
The local IP address is changed to 196.12.0.188. The local IP address is the default address of the board. If the user defined IP address is set in the control panel

The local IP address is changed to a customized IP address. After inputting the printer IP, click the "Application" button and plug in the Internet cable

Connect the computer and the board, click the "Connect" button, and you can use the calibration software to set parameters and operations.

For the vertical calibration of the first calibrated nozzle (physical calibration when installing the nozzle), click "More" in the "Maintenance" column.

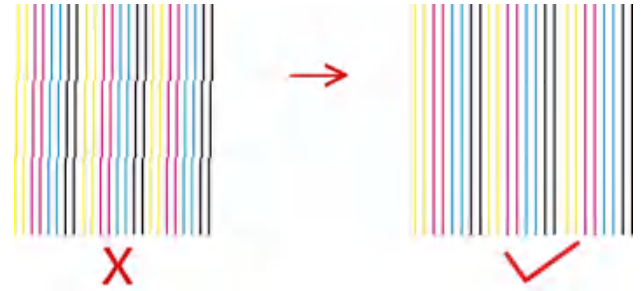
Note: First check the printing status of the nozzle after startup, and press the Enter key to enter Equipment Maintenance - Nozzle Test. If the nozzle is not in good condition, Click to select automatic cleaning, and calibrate after measuring the good inking state of the nozzle.



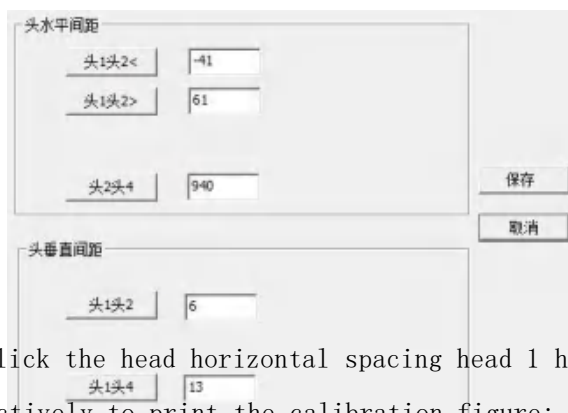
3.5.3 Vertical alignment

Vertical calibration, calibrating the physical horizontal position of the nozzle

Open the calibration tool, click "More" button after online, and click "Vertical Test" button in the pop-up interface to print the test graph. Adjust the physical position of the nozzle according to the printed figure, so that the last vertical test figure line is vertical. As shown below:



3.5.4 Print head calibration



Click the head horizontal spacing head 1 head 2<head 1 head 2>calibration button respectively to print the calibration figure:



Observe the printed figure, select the completely coincident lines of thick and thin lines, add the corresponding numbers to the values shown in the double head horizontal spacing calibration area, manually input the calculation results, and then click the "Save Parameters" button. For example, the line coincidence corresponding to head 1 head 2<calibration 3 is the best, and the calculation result is $-41+3=-38$. Fill -38 in the head 1 head 2<calibration area and save the parameters. Head 1 and head 2>are also calibrated as above.

3.5.5 Print head vertical distance calibration

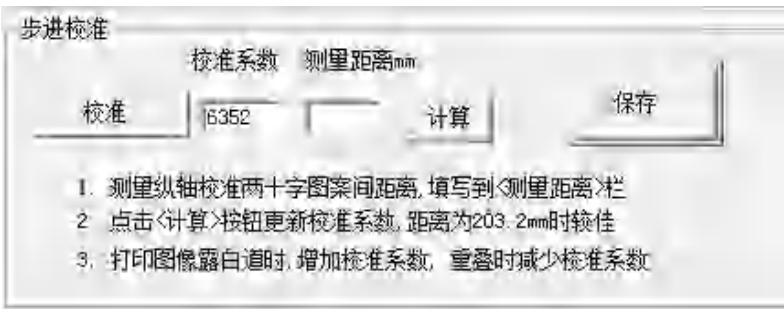
Click the vertical alignment button of head 1 and head 2 to print the calibration graph:



Observe the printed right figure. If the left is higher than the right, fill in a negative value in the left figure until the upper edge of the two figures is on a horizontal line.

Head 1 and head 4 are also calibrated as above

3.5.6 Step calibration



3.5.7 Print function setting



The calibration tool print settings can be used to set the print direction, feathering strength, print speed, and nozzle options.

White color sequence
White color is positive
image printing Color
white is mirror printing.
In white color setting,
you can select four
modes: single white ink,
single color ink, single
varnish and white color.

3.5.8 Advanced settings

Click the "Enter Advanced Settings" button, enter "16753" in the pop-up password box, and press OK to enter the advanced settings menu: 1. Voltage type: select S, corresponding to the default waveform of the UV machine.



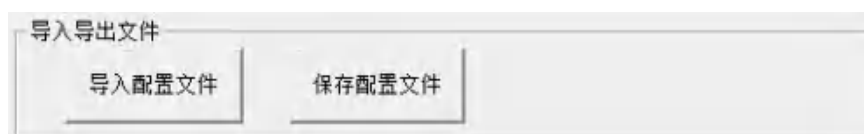
2. Voltage adjustment: it is used to adjust the voltage of the printing head. If the printing head is empty, the flying ink, etc. can be properly adjusted to higher this parameter value; The printing head is easy to break ink, and the color is too thick, so the parameter value can be appropriately lowered. The parameter adjustment range is 480-560. The standard value is 512.

3. Color: KCMYcm represents 6 colors. The color sequence of the six channels of the nozzle from left to right (the ink sequence in the figure above is black, blue, red, yellow, light blue, light red, etc.) can be adjusted as needed, and the corresponding ink bag also needs to be adjusted after adjustment. This function aims at changing the colors that are not commonly used or have little impact on the overall printing effect to the problematic channel without changing the nozzle when the ink output of a channel of the nozzle is poor, so as to extend the service life of the nozzle.

4. Select not to intercept for normal printing, select [Keep 1/4] when using a cylindrical fixture, and select [No] when resetting the printing platform.

3.5.9 Import and export calibration parameters

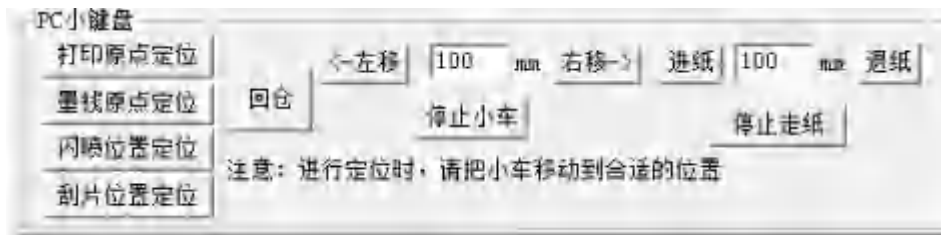
Click the "More..." button in the maintenance area to pop up the maintenance menu with the import/export button of the configuration file



After calibrating all the parameters, you can choose to click the "Save Configuration File" button to save the calibration parameters on the computer in the form of a file. If the car board needs to be replaced in the future, connect the computer after replacement, click the button "More..." --- "Import Configuration File" to import the

previously saved calibration parameters of the machine into the circuit board, saving a lot of work for recalibrating parameters.

3.5.10 PC keypad



The PC keypad can accurately control the setting of the ink stack of the trolley

3.5.11 Setting of uv lamp

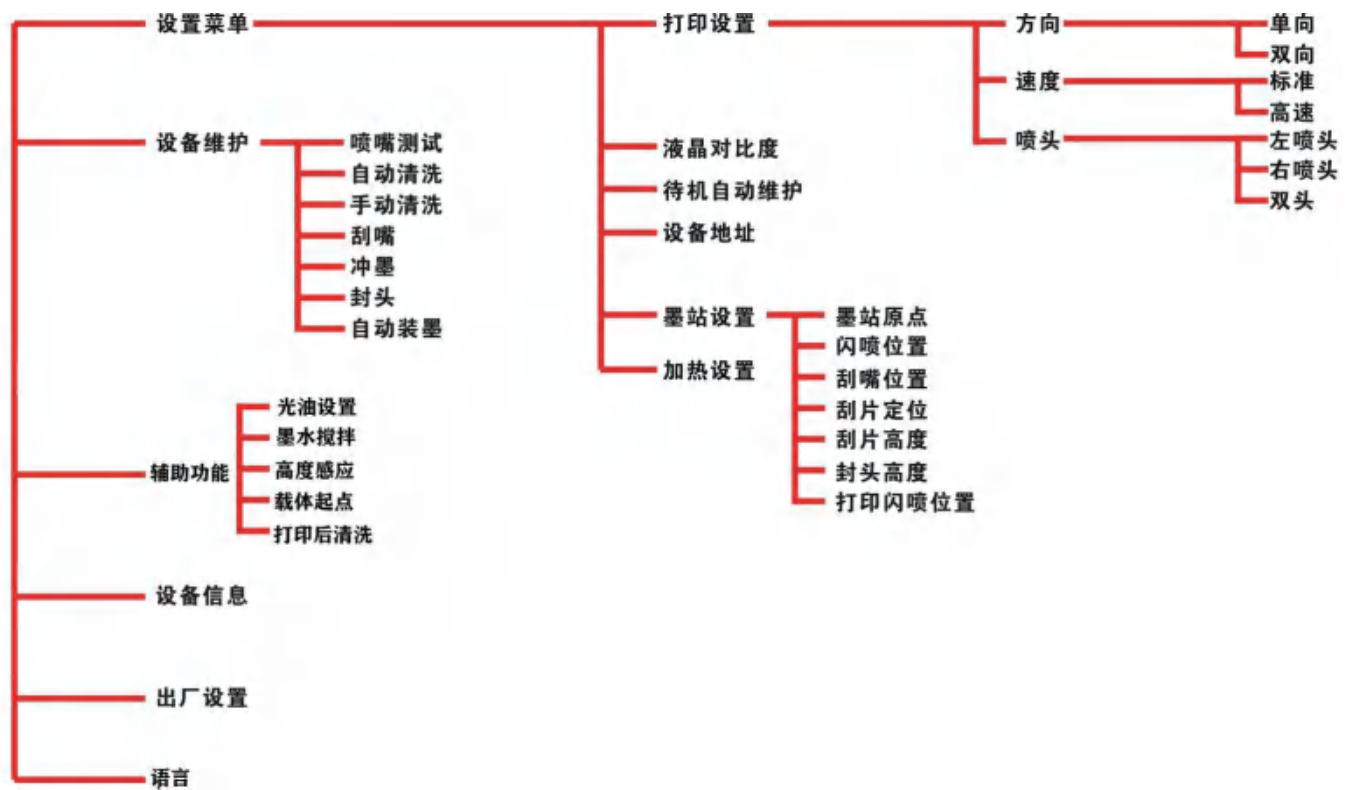


After the value is changed, click the button in front to save it, and then click the button in the position of the reading lamp to view the parameters.

3.6、Control panel menu architecture:

3.6.1 Menu Tree

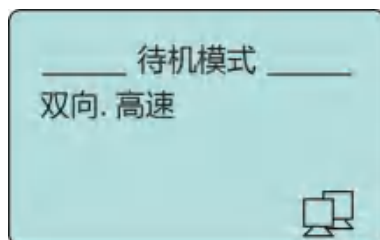
View



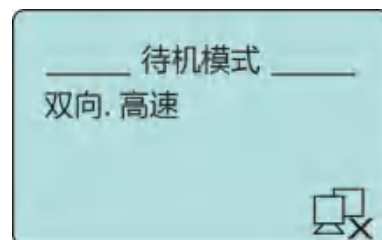
3.6.2 Menu Description

After powering on, the device is

After booting, the device is offline.

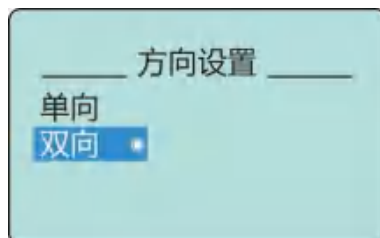


In standby mode, press the "Confirm/Enter" key to enter the menu.

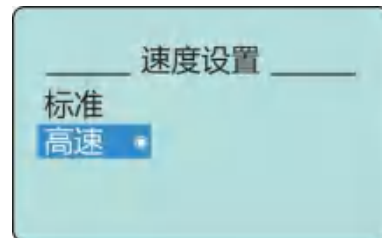


Setup Menu—Print Settings—Orientation

Setup Menu—Print Settings—Speed



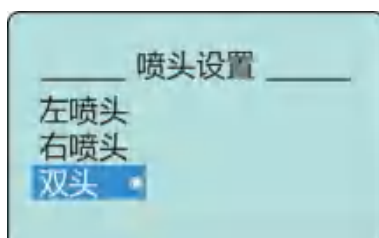
Orientation setting: use one-way printing or two-way printing in the printing process.



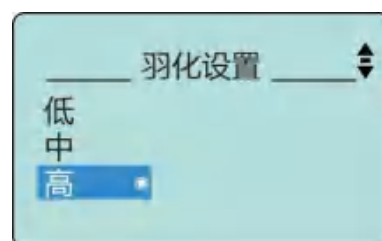
Speed setting: Use standard speed printing or high speed printing during printing.

Setting Menu—Print Setting—Extruder Head

Setup Menu—Print Settings—Feathering

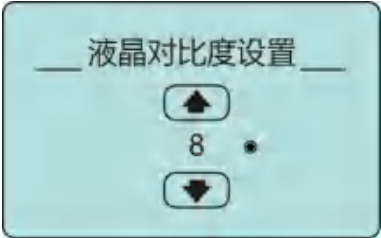


Nozzle settings: Select the nozzle work type when - 24 - printing.



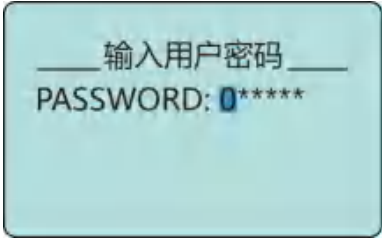
The feathering setting makes up for the past path generated during the printing process and beautifies the effect of the picture.

Settings Menu - Contrast



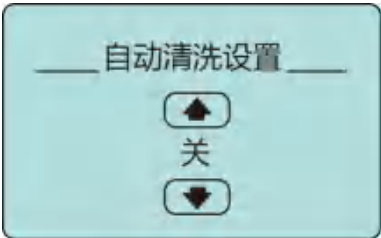
Mainly adjust the contrast of the text displayed on the LCD screen.

Setup Menu—Device Address



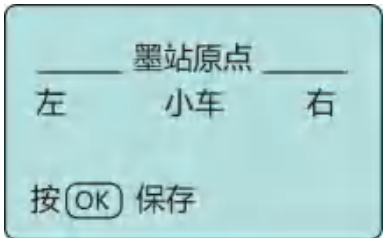
The device address is mainly open to engineers.

Settings Menu—Automatic Cleaning



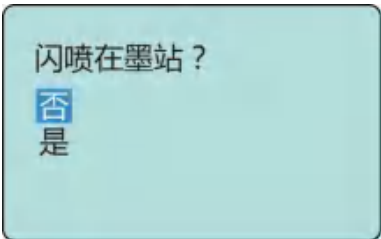
Set the time interval of automatic cleaning during printing (0.5H, 1H, 3H, 8H)

Setting Menu—Ink Station Settings—Ink



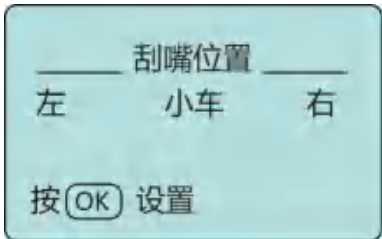
Press the left and right keys on the panel to move the trolley, align the origin of the ink stack (the ink suction nozzle corresponds to the best moisturizing position of the nozzle)

Setting Menu—Ink Station Setting—Flash Printing Position



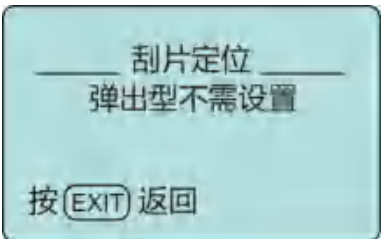
Set the position of the nozzle when flashing.

Setting Menu—Ink Station Setting—Scraper Position



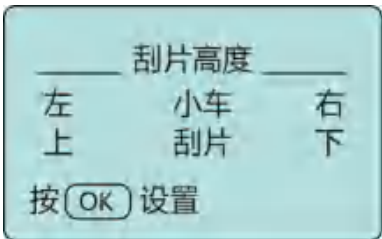
Press the left and right keys on the panel to move the trolley, and set the end distance of the scraping stroke.

Setup Menu—Ink Station Settings—Squeegee Positioning



Valid for electrically controlled wiper settings.

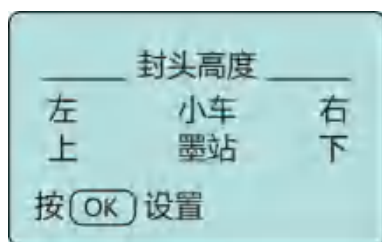
Setting menu—Ink station setting—Scraper blade height



Press the left and right keys on the panel to move the trolley so that you can observe whether the height is appropriate, and press the up and down keys on the panel to adjust the height of the scraper.

Setting Menu—Ink Station

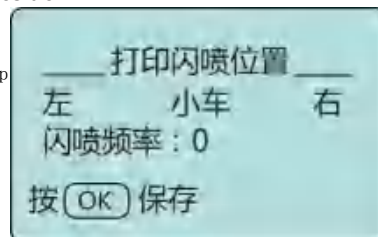
Setting—Height of Head



Press the left and right buttons on the panel to move the trolley, which is convenient for aligning the cap top, and press the up and down buttons on the panel to adjust the height of the cap top and moisturizing nozzle. .

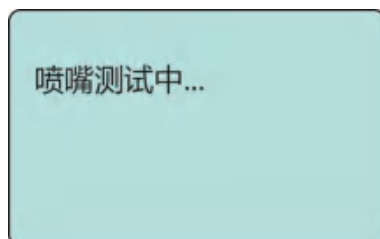
Setting menu—Ink station setting—Print flash

position



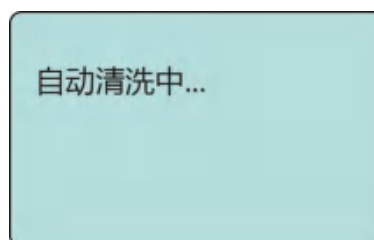
The setting of the flash print position of the trolley during the printing process.

Setup menu—device maintenance—nozzle test



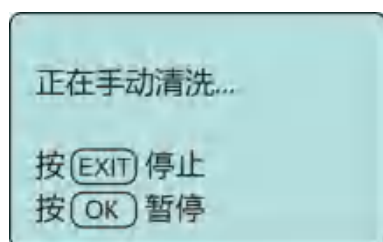
The nozzle test is to check whether the nozzle orifice of the nozzle is clogged.

Settings menu—device maintenance—automatic cleaning



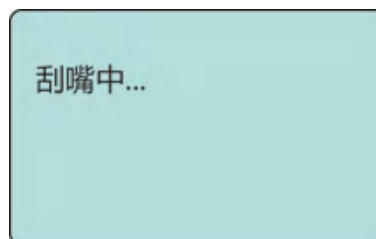
Automatic cleaning when the nozzle is not in good printing state, which is beneficial to the best printing from the nozzle hole.

Settings menu—device maintenance—manual cleaning



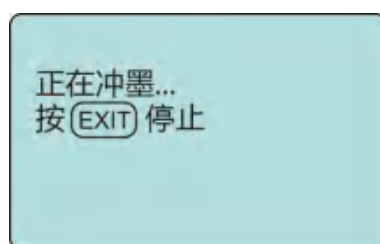
Manual cleaning the nozzle when the printing state is not good, which is beneficial to the best ink output of the nozzle.

Settings menu—device maintenance—wiper



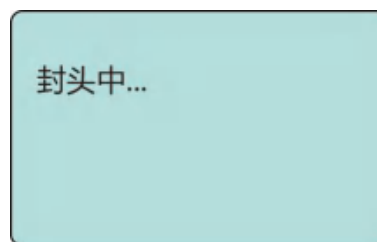
If there is dirt or residual ink droplets on the surface of the nozzle, use the wiper function to keep the surface of the nozzle clean.

Settings menu—device maintenance—ink flushing



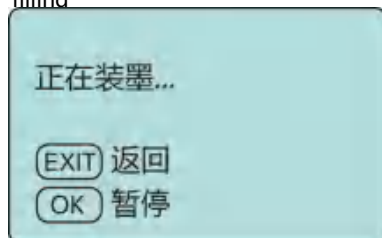
Ink flushing is to flash out ink from the nozzle.

Setting menu—equipment maintenance—sealing nozzle



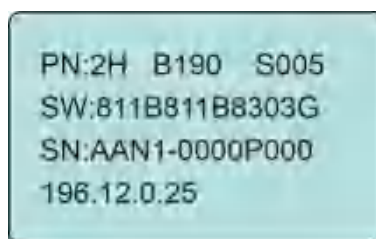
The cap top of the ink station rises to seal and protect the nozzle.

Setting menu—device maintenance—automatic ink filling



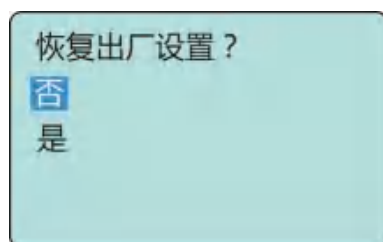
Load ink to the nozzle (ink pumping).

Device Information

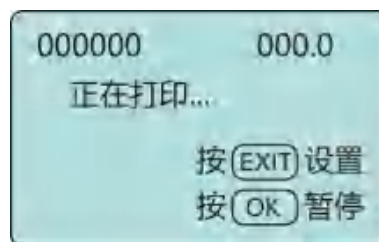


Version information of device boards and programs.

Factory reset input 16753

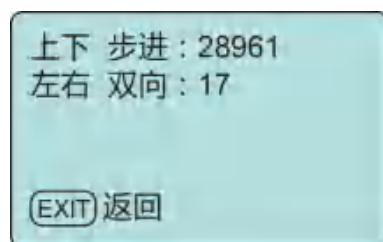


Printing process



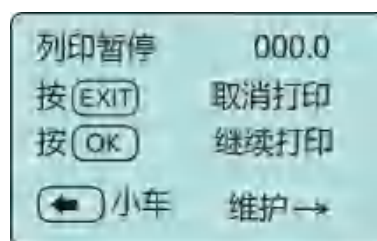
000000—the accumulative printing length of the equipment.
000.0—current printing length.

Setting during printing



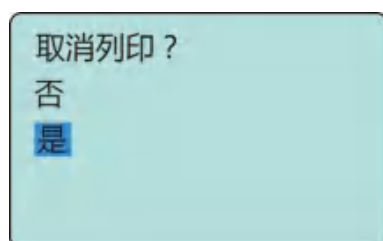
Press the up and down keys to adjust the step parameters. Press the left and right keys to adjust the two-way

Pause during printing



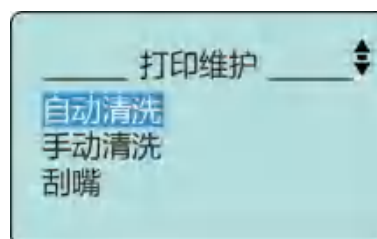
Message displayed when printing is paused.

Cancel printing



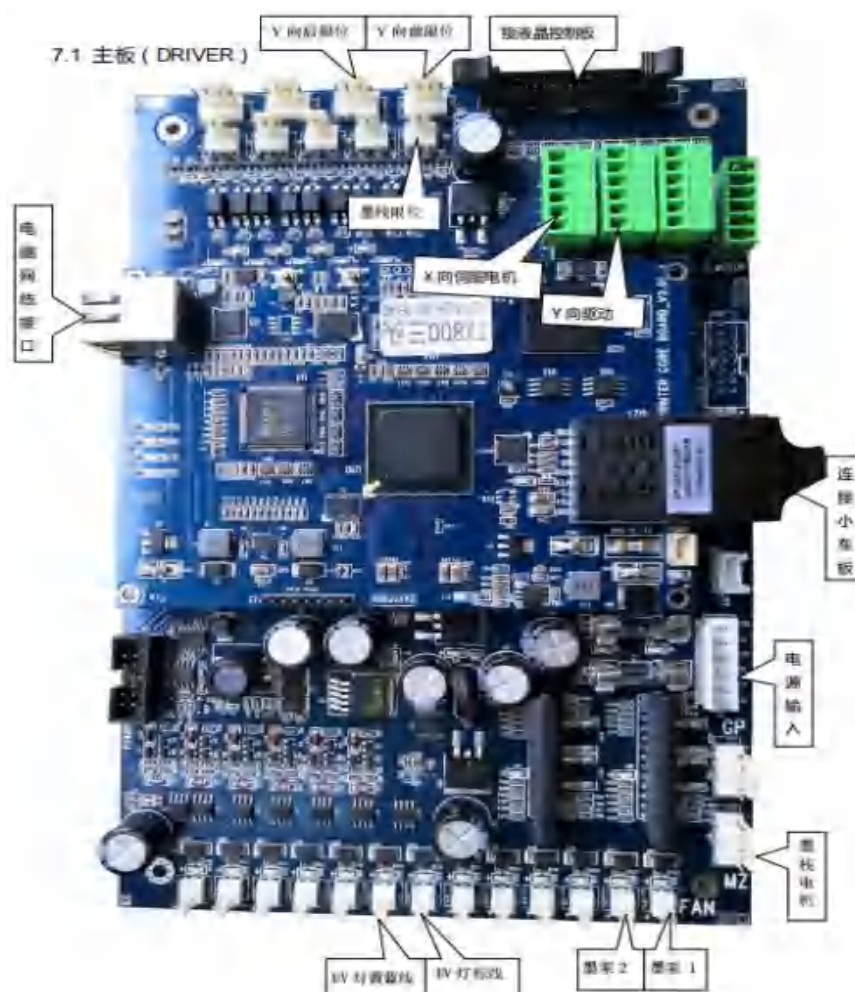
Press the up and down keys to select, and press the enter key to confirm.

Print maintenance



Maintenance operations on the print head when the printing process is paused (automatic cleaning, manual cleaning, nozzle scraping, ink flushing, head sealing)

3.7 Board Description

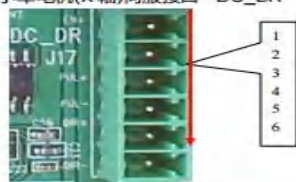


1) 步进电机(Y 轴)伺服接口 ST_DR



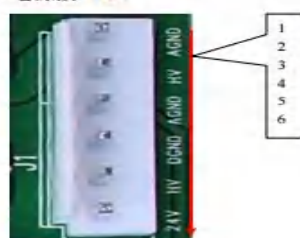
引脚序号	1	2	3	4	5	6
接伺服电机	PUL+	PUL-	DIR+	DIR-	不接	不接

2) 小车电机(X 轴)伺服接口 DC_DR



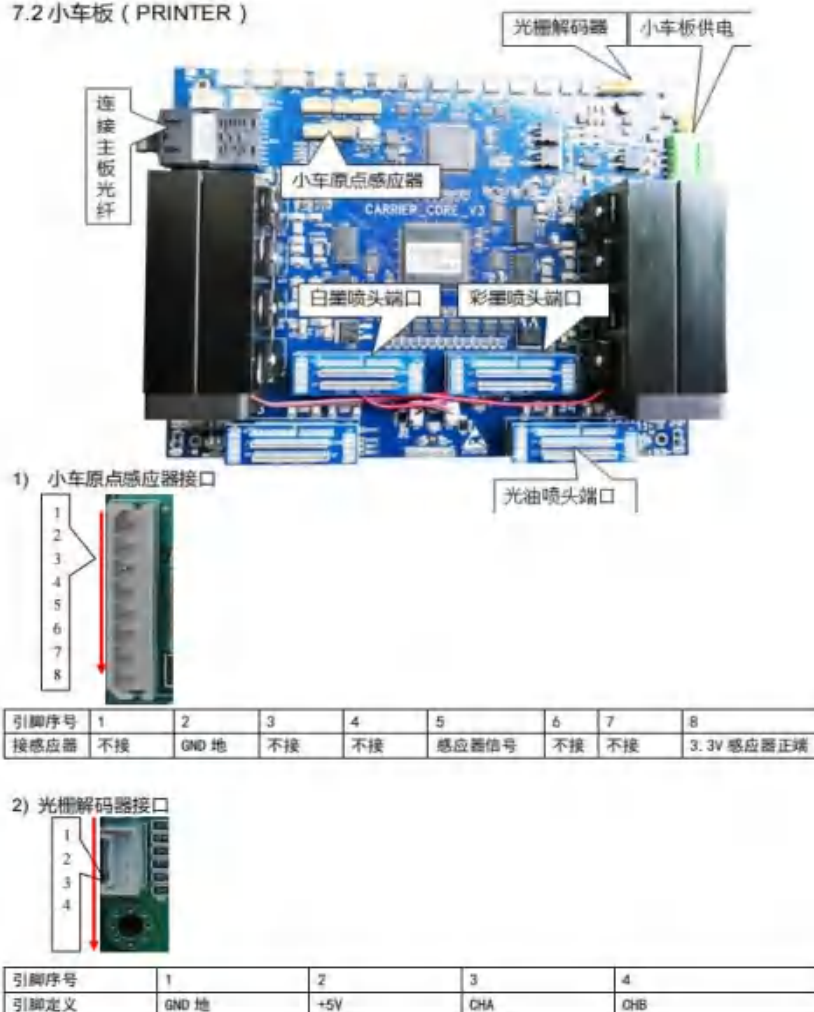
引脚序号	1	2	3	4	5	6
接伺服电机	不接	不接	PUL+	PUL-	DIR+	DIR-

3) 电源接口 J1



引脚序号	1	2	3	4	5	6
接开关电源	42V 地	+42V	42V 地	24V 地	+42V	+24V

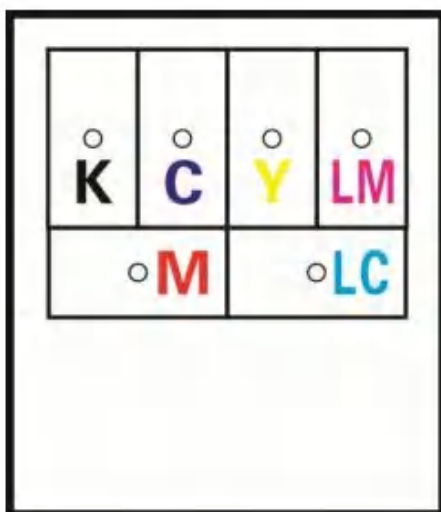
7.2 小车板 (PRINTER)



Note: The nozzle cable should be plugged in the UP position close to the right, and the DOWN position should be inserted close to the left.

The wiring position on the nozzle is: the socket close to the surface of the nozzle is down, and vice versa is up. Can not be inserted upside down, Stagger left and right, otherwise the nozzle will be damaged.

3.8. The structural installation position of the nozzle and the installation sequence of the ink bag:



the installation position of the nozzle,

The nozzle cable faces the outside. left is white

Color nozzle, middle color nozzle, right varnish nozzle.

Epson print head nozzle color sequence

Chapter 4 Fault Handling

4.1. Matters need attention:

1. Before the UV machine is put into production and operation, the machine should be equipped with voltage regulators and other related voltage control equipment to improve the stability and long-term operation of the machine.
2. Before starting up, check whether the grounding wire is well grounded and whether the switches of all aspects of the power supply are in good condition. the
3. The staff who operate the machine must keep in mind that before printing, they must check whether the printing height has been set, whether the nozzle has been cleaned, and whether the nozzle has been tested.
4. The preparation work before printing should be careful, and the size of the material should correspond to the size of the plate. the
5. When a serious failure occurs in the UV machine, please notify the manufacturer or dealer in time, and do not open the case by yourself to prevent accidents.
6. The ink suction nozzle of the UV machine must not be cleaned with water, which will directly crystallize the surface of the ink suction nozzle.

4.2.1. Error reporting high resistance of the trolley:

1. Adjust the position of the grating decoder, the upper end of the grating is on the upper half of the U groove.
2. Replace the raster decoder.
3. The dialing code of the X-axis motor parameter is incorrect.
4. Replace the X-axis motor.

4.2.2. Reporting ink station motor error:

- Turn the wheel, leave the induction block from the U channel of the decoder, turn it on and try again.
2. Whether the cable plug of the ink station motor is loose, try plugging it out.
 3. Turn the large gear by hand to rotate the ink station to a proper position, and the direction of the four centrifugal black wheels is the same.

4.2.3. No ink output from nozzle:

1. Check whether the left and right lights on the two-layer board of the trolley board are on or not (two lights on the left and right and one light on the lower left corner of the upper layer are flashing, a total of five lights are on normally); if they are not fully lit, check whether the HV fuse on the main board is burned. (4A); Replace the trolley plate.
2. Exchange the left and right socket positions on the trolley board. (Attention should be paid to the socket position of the trolley board, the upper UP end should be plugged in to the right, and the lower DOWN end should be plugged in to the left)
3. After cleaning the nozzle, put white paper under the nozzle to see if there is flash spray.
4. Replace the nozzle with a new one.

4.2.4. The printer is not online or printing:

1. Windows system uses win7 64-bit operating system.
2. Open the network local connection properties, change to automatically obtain IP, and then manually fill in the IP address 196, 12, 0, 188
The mask is 255, 255, 255, 0.
3. Check the network printing cable and the motherboard socket. Use ping 196, 12, 0, 188 to see the connection between the computer and the machine.
4. Reinstall the printing software or windows system.
5. Check the connection network printing line and socket of the main board and the car board.

4.2.5. The printing software cannot be opened:

1. Turn off the anti-virus software on the computer.
2. Reinstall the printing software.

4.2.6. The trolley is not reset in place or there is vibration when the trolley is reset:

1. Whether the 26P cable on the car board is loose or re-plugged.
2. Whether the positioning decoder is broken or replaced.
3. Replace the trolley plate.

4.2.7. There is severe disconnection in the nozzle test:

1. Use manual ink pumping for 5 seconds, then use automatic cleaning twice, and test the print nozzle to see the effect.
2. Remove the fixing screw at the position of the ink station, and the position of the manual ink station is in contact with the surface of the nozzle to achieve smooth ink absorption.
3. Replace the ink nozzle.

4.2.8. There is a pause in printing:

1. Replace the win7 64-bit operating system.
2. Ping 196.12.0.188 to see whether TTL= or TTL=128, if it is 128, there will be a pause, you can replace the independent network card.

Chapter Five Care and Maintenance

5.1 Daily Maintenance

In order to ensure the normal operation of the printer, daily maintenance is very important, as follows:

5.1.1 Daily inspection

Check the waste ink bottle and clean it if necessary.

Check whether there is still ink in the main ink tank. It is recommended that the optimum ink level is between 1/2 to 2/3.

Check the condition of the moisturizing ink pad, if there is a large amount of waste ink accumulated, clean and replace it.

Check whether there is waste ink accumulation on the scraper blade, clean the scraper blade in time, and keep the scraper blade clean.

Keep the machine clean and hygienic every day.

5.1.2 Weekly inspection

Check whether there are impurities in the water tank of the UV lamp, and regularly remove dust from the cooling fan of the water tank.

Check and clean the air inlet of the main ink bottle to keep the air inlet clean and unobstructed.

Check whether the power socket and network cable socket are loose.

5.1.3 Monthly inspection

Check whether the tension of the XY motor belt is appropriate, and adjust the tension of

the belt properly.

Check whether the trolley length belt tension is appropriate, and adjust the belt tension properly.

Check whether there is dust between the grating sensor and the grating, whether the grating is polluted, and clean up the dirt between the grating and the sensor in time

Remove the dust inside the power box

5.1.4 Half-yearly inspection

Replace or clean the main ink bottle and main ink path

Blow off the dust on the power box and the server with compressed air

Replace or clean the ink pad

Replacing the scraper

Check the overall circuit to see if it is loose or disconnected, and repair it in time

Check the degree of wear and tear of the pipelines and wires in the drag chain, and replace them if necessary

5.2 Care and maintenance of the printer guide rails

Lubricate the guide rails of the printer regularly, and remove the dust on the guide rails.