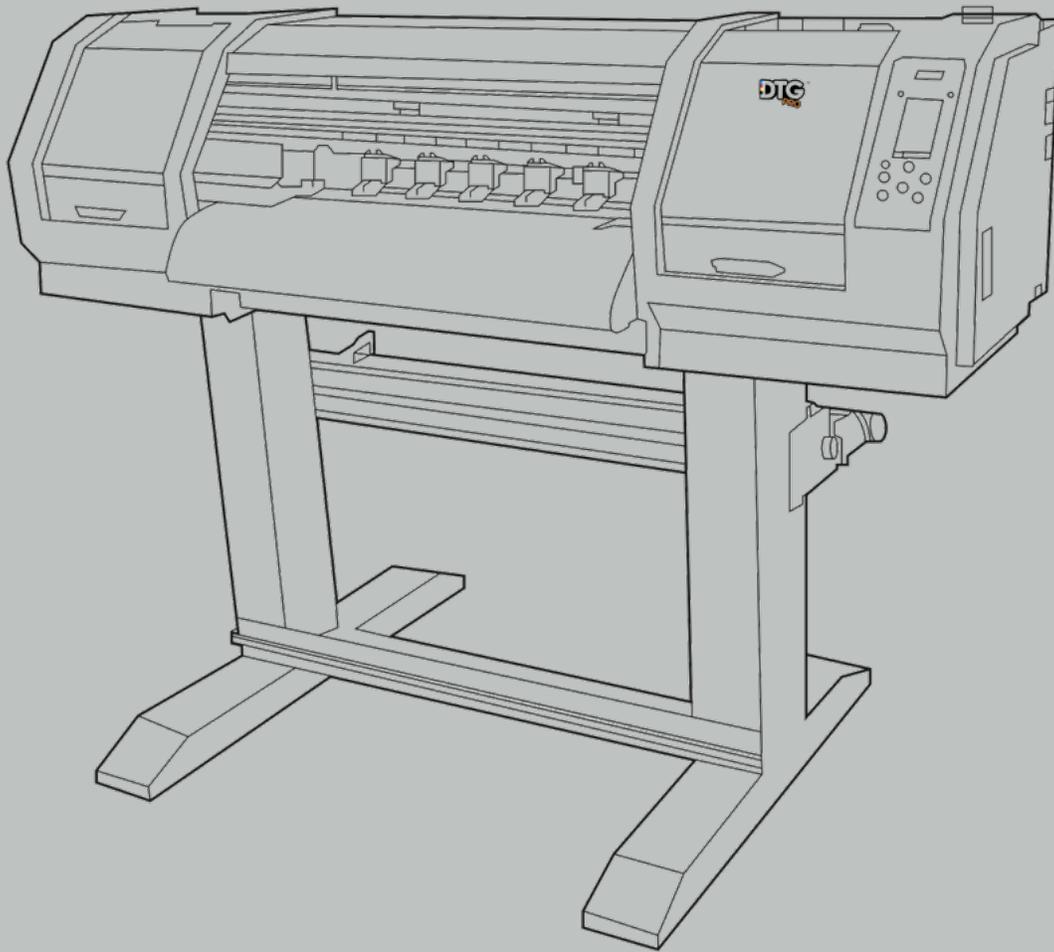


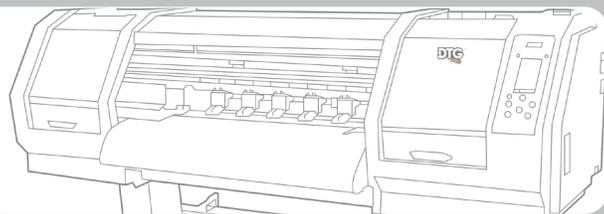
PANTHERA WIDE DTF™ PRINTER SYSTEMS





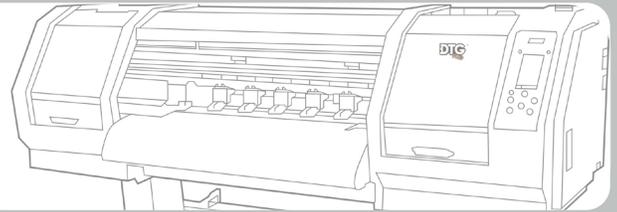
PANTHERA
WIDE DTF™ PRINTER SYSTEM

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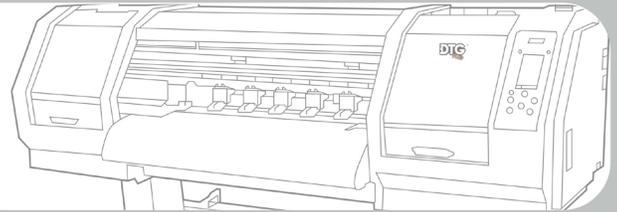
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2 model specification

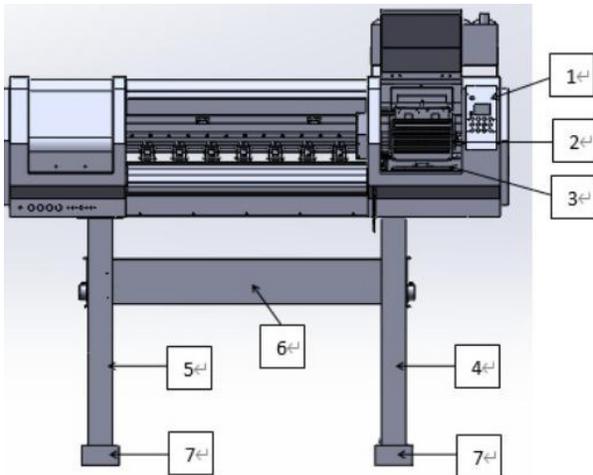


Model	Panthera
Print Head	EPSON I3200-A1
Resolution	2400DPI
Speed	8pass: 6 m ² /h 6pass: 8 m ² /h
Color Control	ICC color profile with adjust function
Print Width	600 mm
Ink	Pigment
Operation Environment	18°C-28°C, 50%-70%Temperature 18°C-28°C, Humidity 50%-70%
Power	50HZ/60HZ 220V 10A
System	Windows7 or Above
Materials	Cotton, Nylon, Chemical fiber, leather, etc.
Image Format	Tiff, Jpeg, Eps, Pdf
Printer Size	(Machine size) 1600 X 900 X 1300mm(LXWXH)
	(Packing size) 1860 X 960 X 760mm(LXWXH)
Printer Weight	(Net weight) 150 KG

3 basics



3.1 Printer Structure



1 Control Panel

2 Printhead Carriage

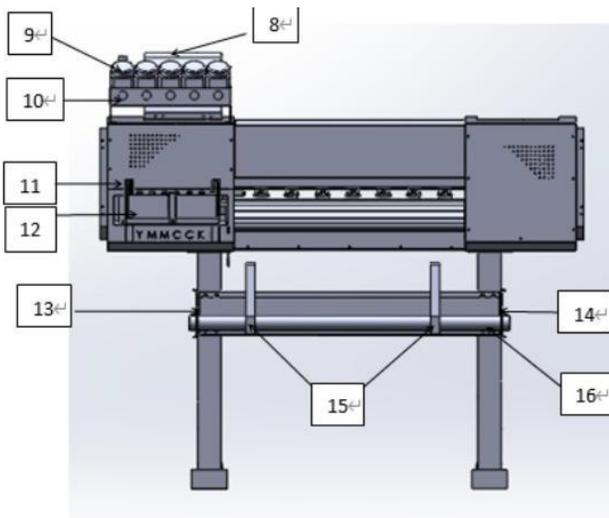
3 Capping Assembly

4 Left Leg

5 Right Leg

6 Printer Support Beam

7 Machine Leg Base



8 Ink Tank Holder

9 Ink Tank

10 Ink Tank Holder

11 Ink Cartridge Holder

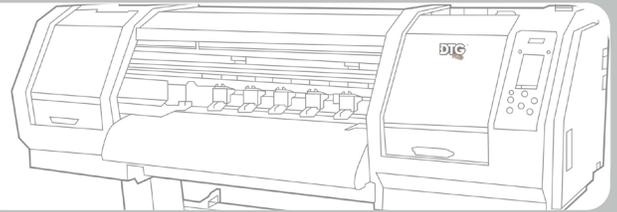
12 Ink Cartridge

13 Roller

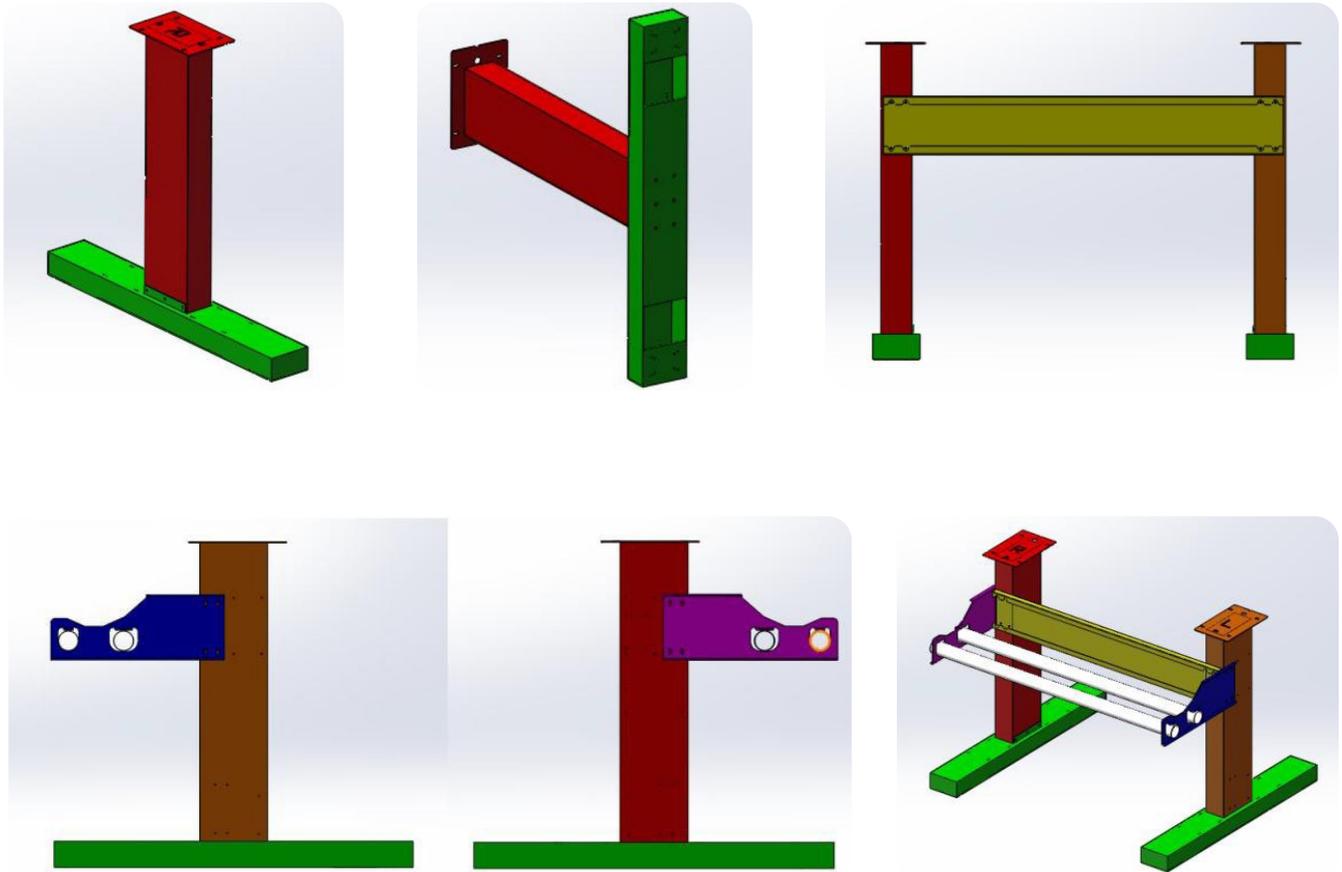
14 Roller

15 Feeder

3 basics

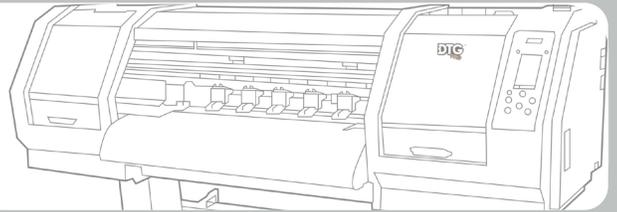


3.2 Base Legs Installations



See Provided Video for Assembly instructions.

4 software installation and setup

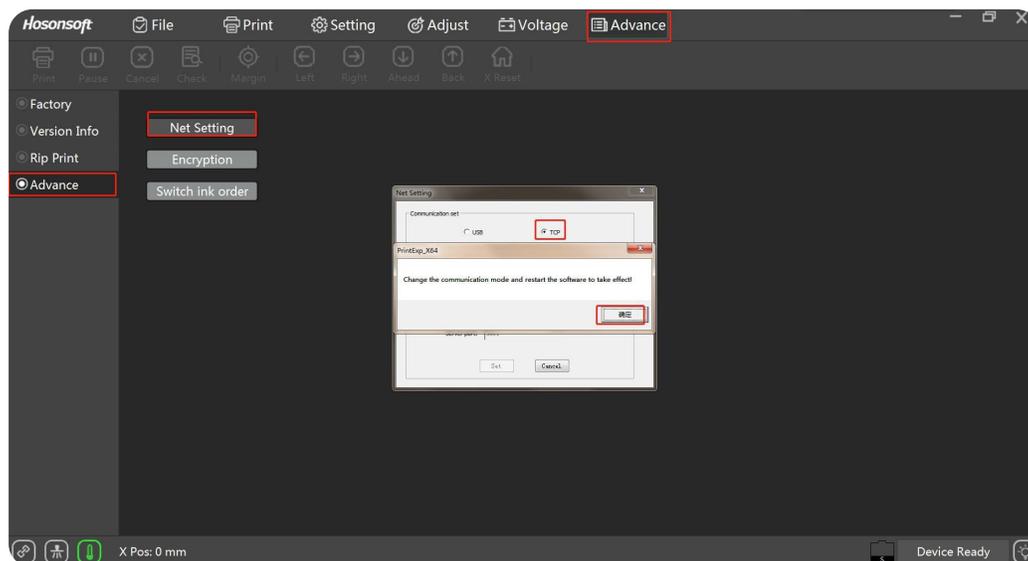


4.1 Computer configuration requirements

1. Computer system: Windows7 Ultimate 64-bit computer system.
2. CPU configuration: use i5 or above i5 CPU.
3. Memory stick: 8G or above.
4. Network card and network cable requirements: Gigabit or above network card must be used, and the network cable needs to be super Category 6 or above to support dry-mega communication network cable.
5. Hard disk configuration: It is recommended to use a 120G solid state hard disk as the system disk, and then add a mechanical hard disk as a secondary disk as needed.

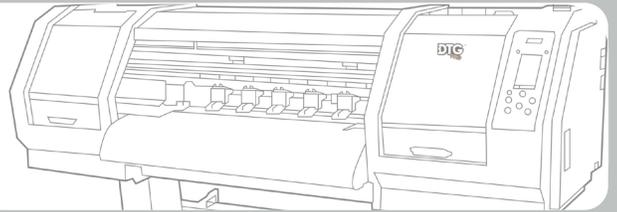
4.2 Software

4.2.1 Printing software installation



Check the communication set of the software, change it to "TCP", and then restart the software.

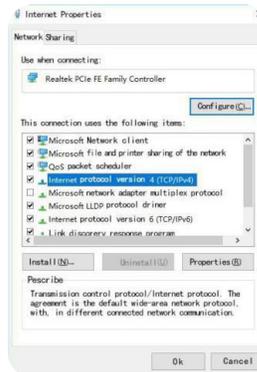
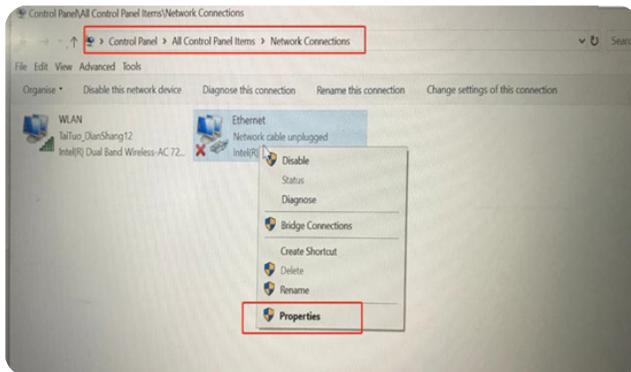
4 software installation and setup



4.2 Software

4.2.2 IP address Setting

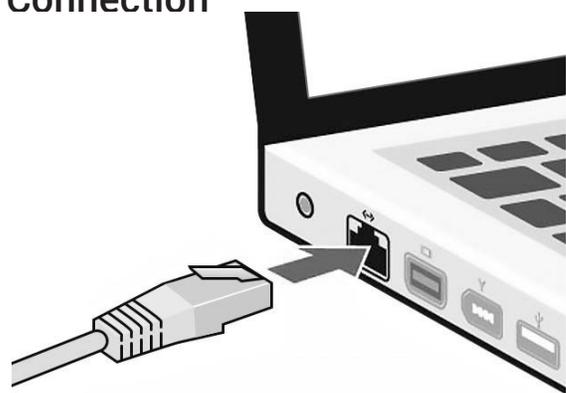
Open the desktop computer, find the control panel to enter, and then select the network and sharing center. Find the corresponding LAN port, click Local Area Connection, select Properties—Internet Protocol Version 4, and then click OK. Click to use the following IP address, set the IP address to 192.168.127.11, and the subnet mask to 255.255.255.0, and then click OK. (Note: IP address 192.168.127.X, the last digit of X must be between 11 and 254.)



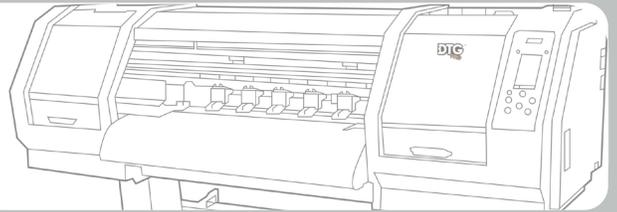
4.2 Software

4.2.3 Network Cable Connection

Connect one end of the gigabit network cable to the network port of the printer motherboard, and the other end to the network port of the computer host.



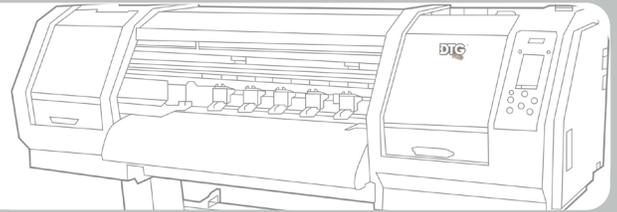
4 software installation and setup



4.3 RIP Software Installation

Please check with your trainer for the Software you have selected.

4 software installation and setup



4.3 RIP Software Installation

4.3.3 IP address Setting

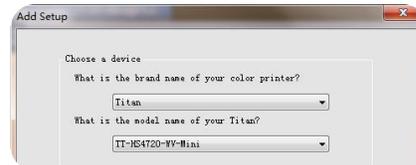
1. Driver file replacement

First open the software installation location disk folder, find the path of the driver folder:\Program Files (x86)\SAI\FlexiPRINT 19 Titan Edition\OutputDrivers, copy and paste all the new driver files into the "OutputDrivers" folder (copy and replace).

Program Files (x86) > SAI > FlexiPRINT 19 Titan Edition > OutputDrivers >

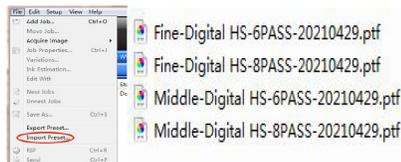
2. Add device

Run icon, Open the software, click "Settings" in the menu bar-"Add Device"
Select "Titan" as the printer brand. The choice of printer model, Honson System Selection TT-HS4720-WV-Mini. Then click "Next", and finally click Finish.



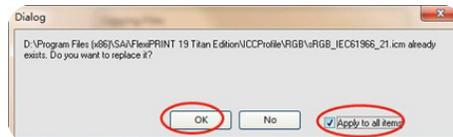
3. Read presets and automatically add ICC files

Click "File"->"Import Preset" in the menu bar to find the downloaded preset file in ptf format. You can select multiple preset files and add them together.

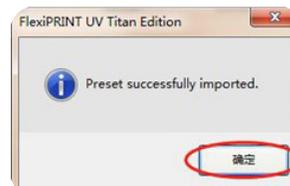


Fine: resolution high, for print small picture
Middle: middle resolution, mostly use

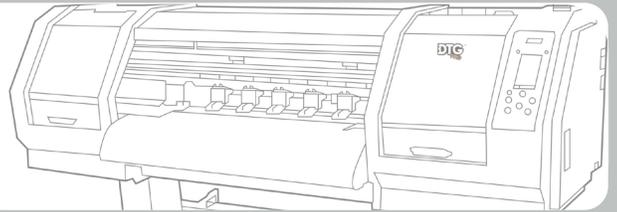
After adding, when there is a prompt dialog box "... already exists, do you want to replace it?", check "Use for all" and click "OK".



If the dialog box prompts "File with same name exists, Overwrite?", click "OK". (There are multiple same operations) Finally, the dialog box prompts "Preset successfully imported", click "OK".

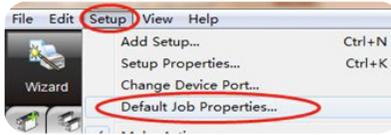


4 software installation and setup

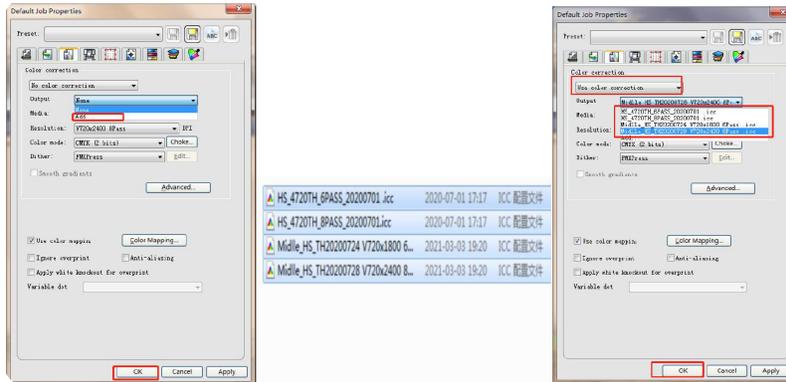


4. Manually add ICC files

Click "Setup" in the menu bar-"Default Job Properties..."



Select "Color Management"->"Output Configuration File"->"Add", select the corresponding ICC configuration file, and then add the ICC.

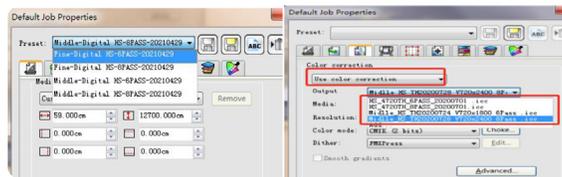


5. Set the default job properties

Click "Setup" in the menu bar-"Default Job Properties..."

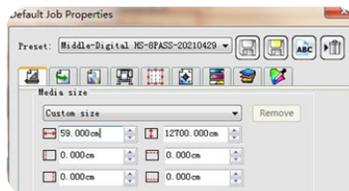


There are multiple ICC modes to choose from in the preset options, and customers can choose a preset as the commonly used one according to their needs. Or adjust the parameters yourself, select the corresponding ICC configuration file, save a preset name, and set it as the default job attribute.

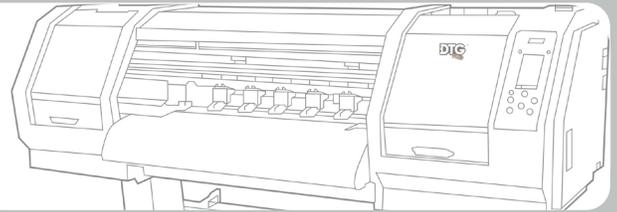


Some general default job properties are set as follows:

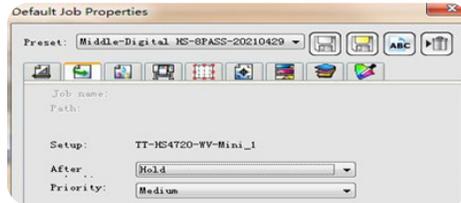
[Layout]: The media size and width are set according to the width of the printing film, and the height is the default value.



4 software installation and setup

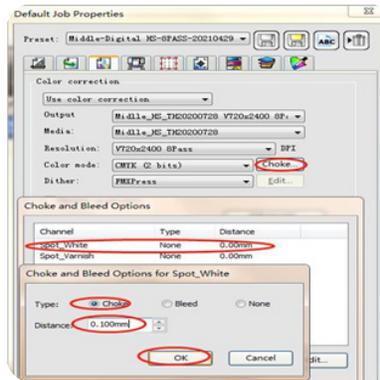


[Workflow]: After outputting, set to Hold.



[Color Management]: Choose different preset modes on the presets, and the color correction will be changed to different ICCs accordingly.

White spot color choke function: Choke and Bleed—Spot_White—>Type: Choke, Distance: 0.1mm (modified according to different needs)

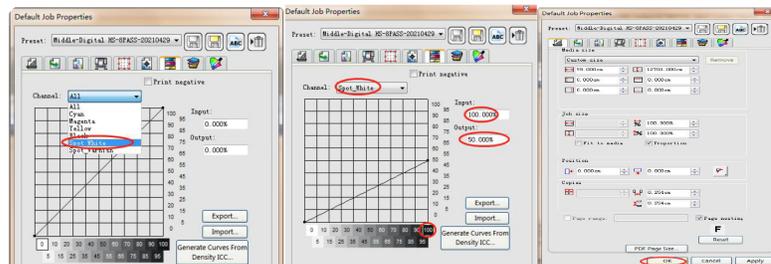


[Printer Options]: White ink options: spot color.

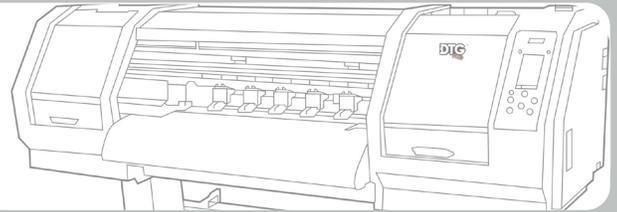


[Color adjustment]: Channel: white spot color. (Adjust the amount of white ink output) Spot_White [input: 100%; output: X% (X is adjusted between 1-100)]

Finally, after setting all the parameters, click "OK" to save the settings.

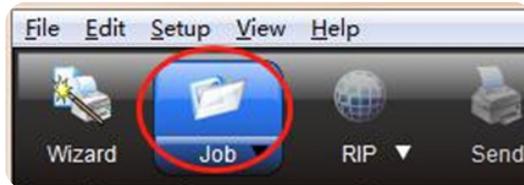


4 software installation and setup

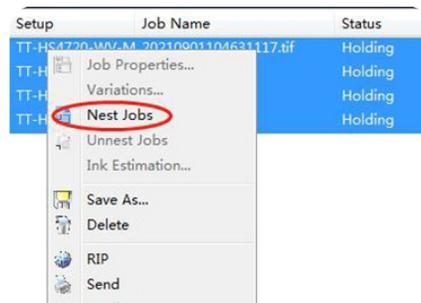


Add assignment RIP picture

Open the "Job" icon on the main interface of the software, and directly add the print image file that needs to be processed (TIF format file is generally used)

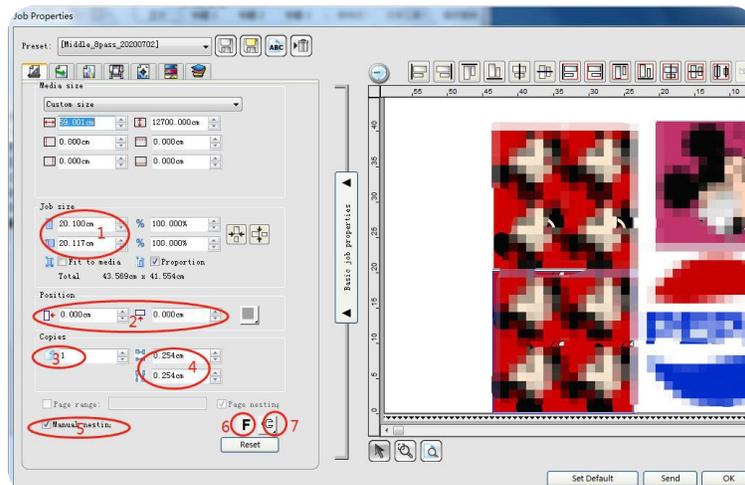


Nest Jobs: When there are multiple pictures that need to be printed together, after adding multiple pictures, select the picture that needs to be typeset together, and then right-click the mouse to select "Nest Jobs".

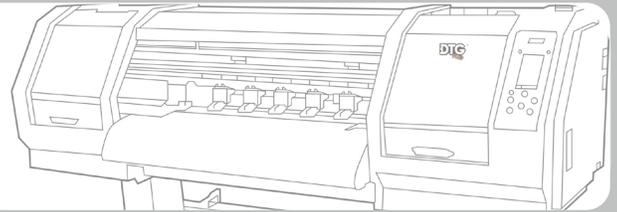


Job attributes:

1. Job size, you can scale the picture size according to your needs; (to check manual nesting)
2. Position, the distance setting from picture to page edge and header; (to check manual nesting)
3. Copies, you can copy multiple pictures and typeset at the same time according to your needs;
4. Spacing, when multiple pictures are typeset, set the horizontal and vertical spacing of pictures;
5. Manual nesting, you can manually adjust the position of the picture after checking;
6. Mirror, image output and printing; (to cancel manual nesting)
7. Rotate, choose the direction of the image rotation according to your needs. (To check manual nesting)



4 software installation and setup

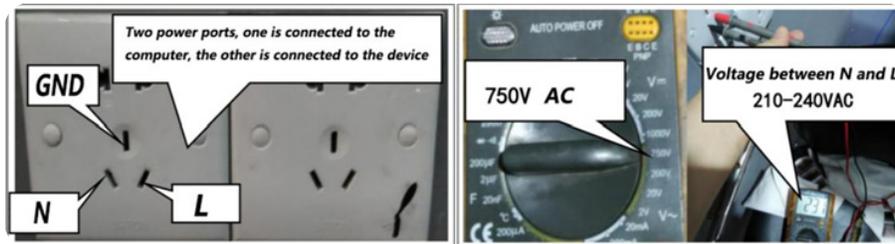


4.4 Power

1. Power safety

Note: For the safety of people and machines, be sure to connect the ground wire.

Use a digital multimeter to measure whether the power supply voltage is normal, and the range of live and neutral measurement values: 210-240VAC (the multimeter is set to 750V AC gear).



2. Power on the machine and check the reset

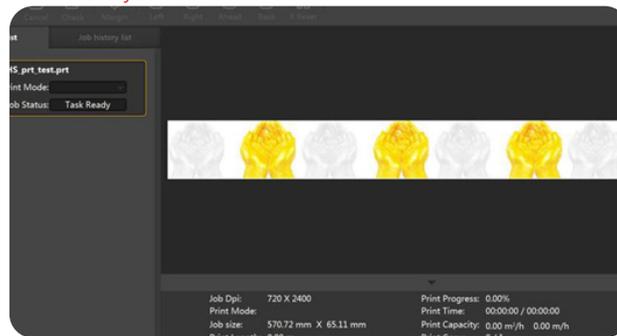
When the machine is not powered on, pull it back and forth with your hand to see if it is smooth, and then find the power cord in the machine accessories, one end is connected to the 220V power supply, and the other end is plugged into the machine's power socket. Turn on the power switch of the machine, and the machine will be reset.



After the machine is powered on, the car will first self-check after it is normal. Double click to open the PrintEXP control software, the machine and the printing software are connected normally.

Action test

In the control software interface, use the mouse to control the left and right of the trolley and whether it runs normally before and after the stepping. Click Clean to confirm whether the ink absorption and squeegee height of the ink stack is normal. **First use RIP software to make a file, import the print file and click print, let the machine simulate printing to check whether the printing is normal, and then power off to install the print head after it runs normally.**



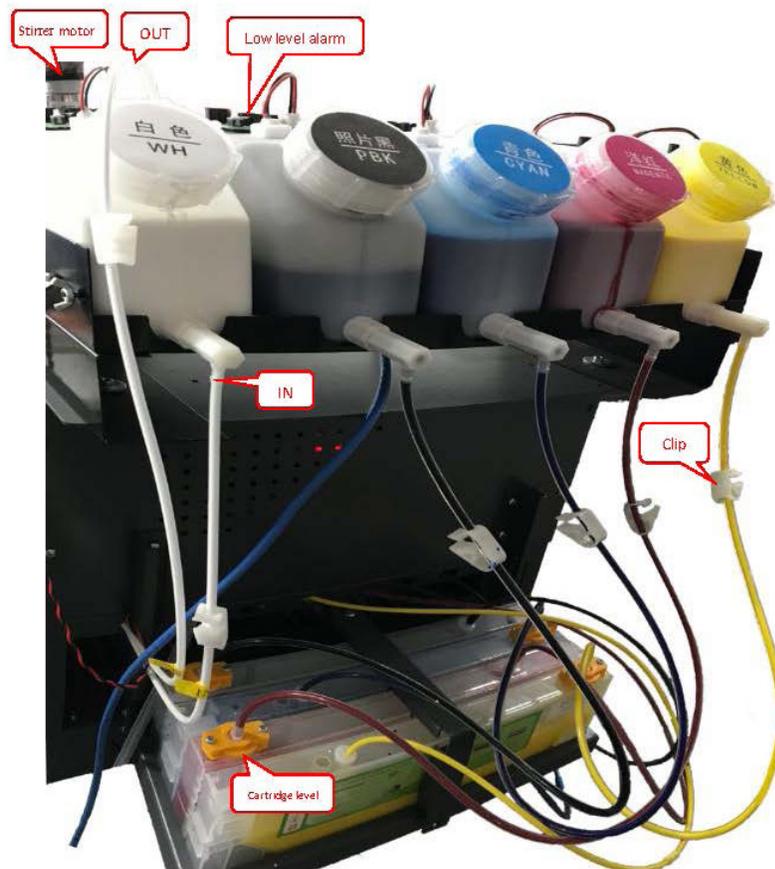
4 software installation and setup



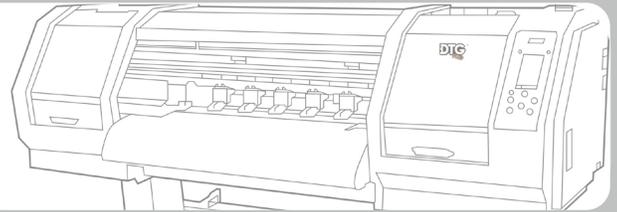
4.4 Power

4.4.1 Ink tank and ink cartridge installation

1. Install and fix the screws on the main ink tank and the ink cartridge holder, then put the ink tank and the ink cartridge in order, connect the ink tube connecting the corresponding color ink tank and the ink cartridge, and insert a clip in the middle of the ink tube (can be used for equipment After disconnecting the power, the clip clamps the ink tube to prevent ink from flowing and leaking).
2. Connect the white ink tube, the ink tube marked "IN" is connected to the IN end of the white ink tank, and the ink tube marked "OUT" is connected to the OUT end of the white ink tank. Connect the power cord of the white ink mixing motor.
3. Install the battery for the level alarm buzzer of each ink tank, insert the connection terminal, and finally add the corresponding color ink to the corresponding ink tank.
4. After adding ink to the ink tank, turn the liquid level knob to adjust the level of the ink cartridge (clockwise rotation increases the liquid level, counterclockwise rotation decreases the liquid level), and the ink level of each color remains the same.

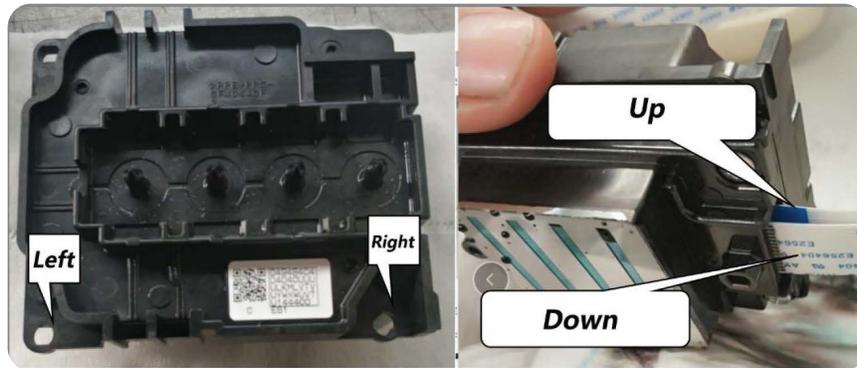


4 software installation and setup



4.5 Print head installation position and cable connection

1. Installation of the data cable, the print head data cable is two 14P cables on the left and the right.
(Note: Be careful when plugging in, so as not to damage the print head or the data cable!)



Push the print head steadily to the left and back, close to the bottom plate, and install and fix it. (Note: Do not screw the print head mounting screws too hard)

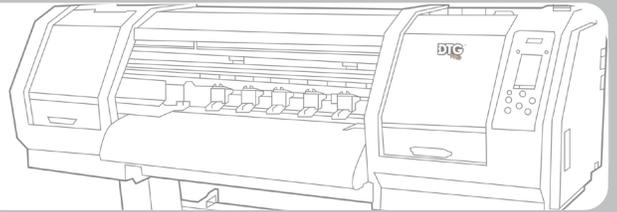


I3200

3. Ink circuit connection of print head and ink cartridge
Set the ink sequence: first connect the ink tube to the corresponding ink cartridge, Then use a syringe to draw the ink from the ink cartridge to the damper,
It is better to draw out about 20ML of ink for each ink path
The ink level in the ink sac of each ink path must be at a uniform height, It should be basically about 2/3 of the capacity of the DAMPER
Then connect the ink sacs to the print head in order, from left to right: KCMY



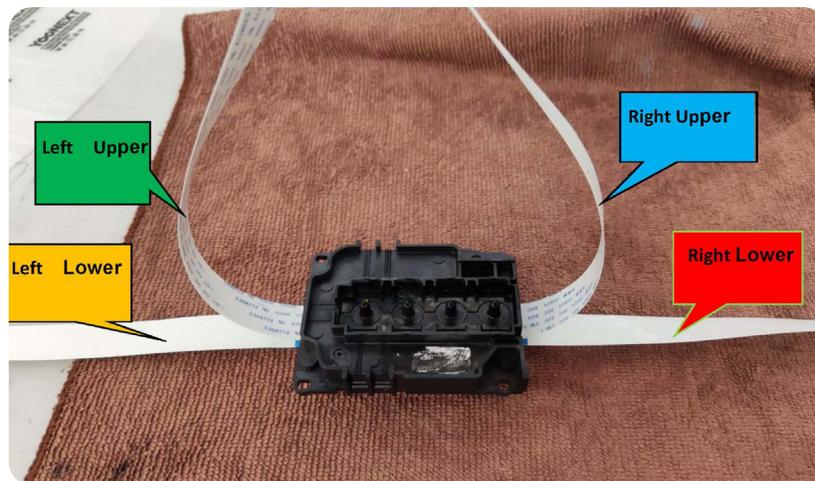
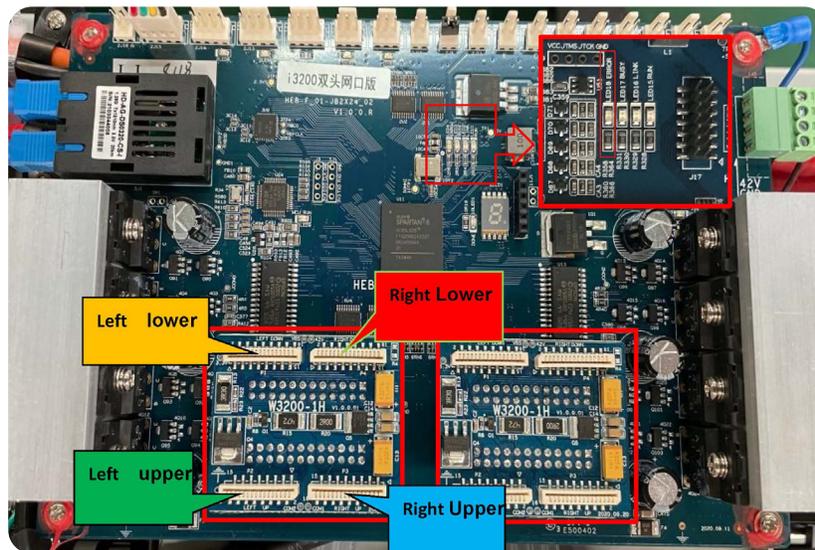
4 software installation and setup



4.5 Print head installation position and cable connection

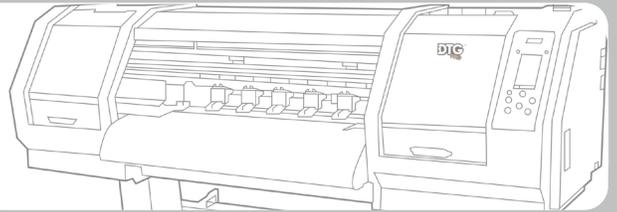
4.5.1 The print head data line is connected with the adapter board (I3200 Print head)

The connection sequence of the data line corresponds to the markings on the trolley board and the print head in turn. (Note: When plugging and unplugging the print head data cable, it must be operated when the power is turned off. Remember that the print head data line and down must not be reversed. Reversing the print head will damage the print head!)



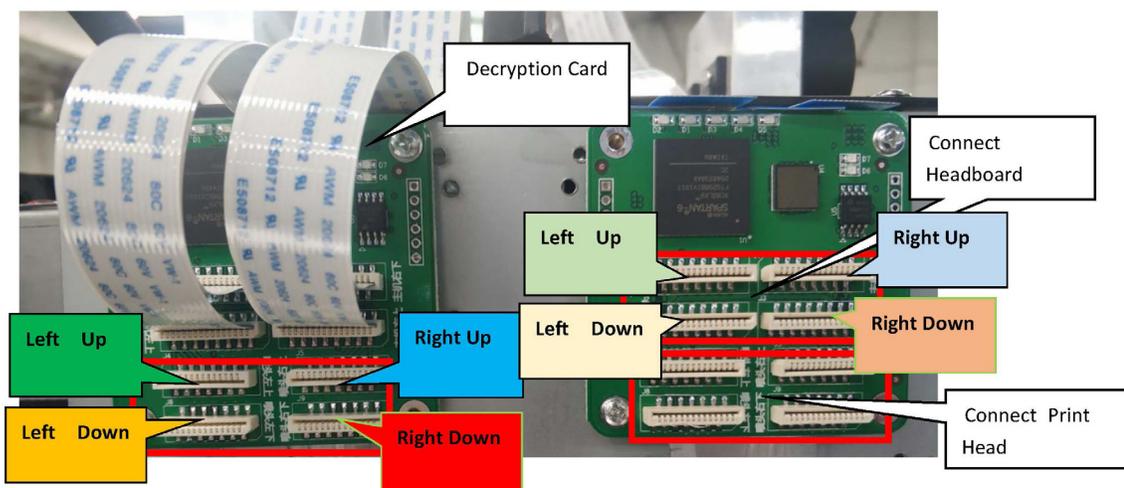
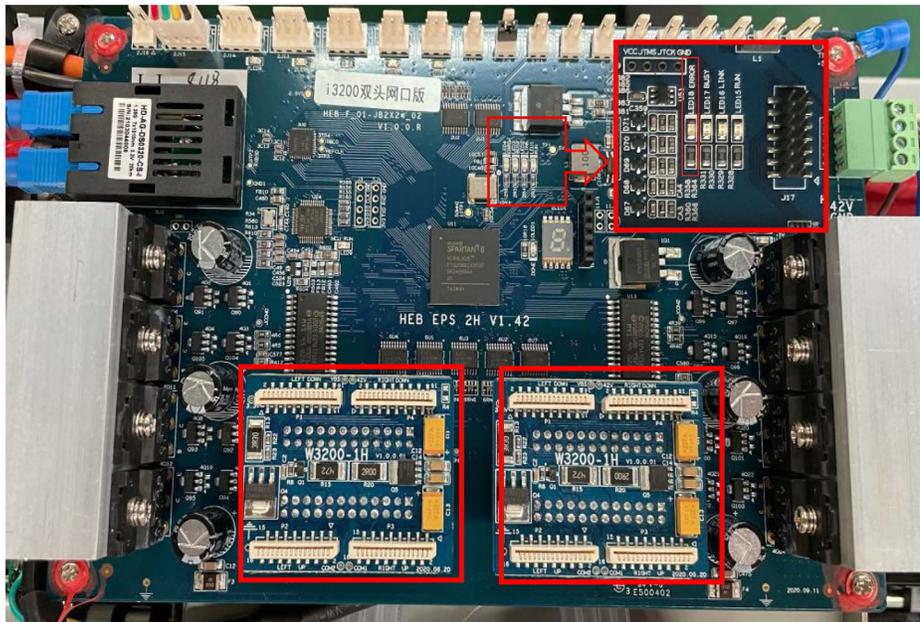
After confirming that the print head data line is connected correctly, turn it on, and observe whether the "ERROR" light on the car board is on. If the light is on, it is abnormal. Turn it off immediately and check.

4 software installation and setup

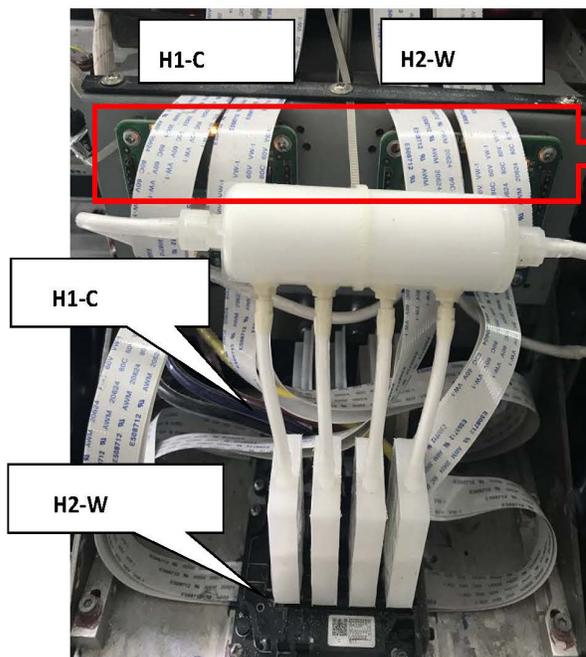
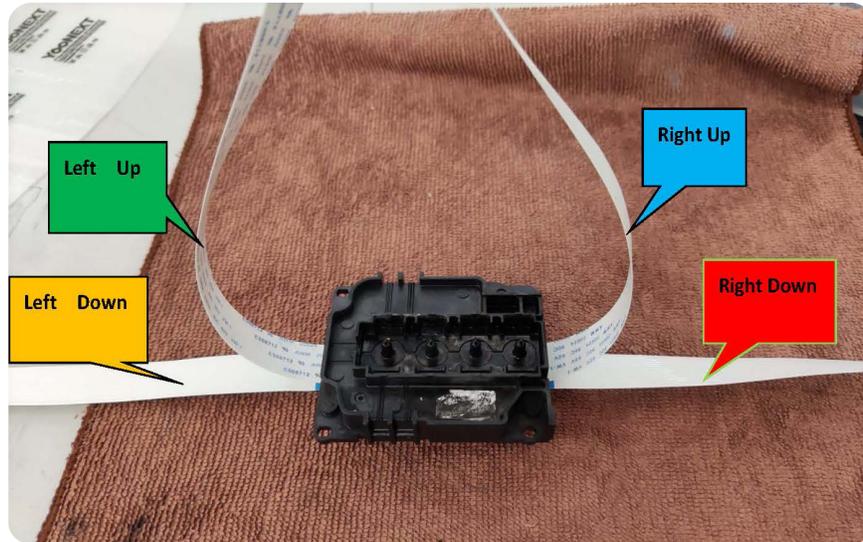
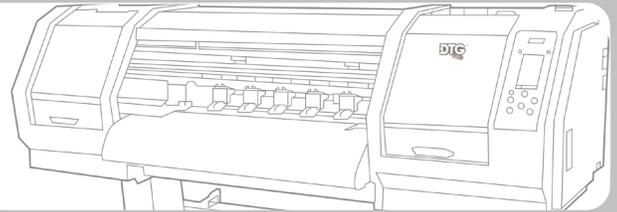


4.5 Print head installation position and cable connection

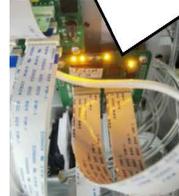
4.5.2 Sequence diagram of the data line of the PH board and the decryption card (if 4720 Print head)



4 software installation and setup

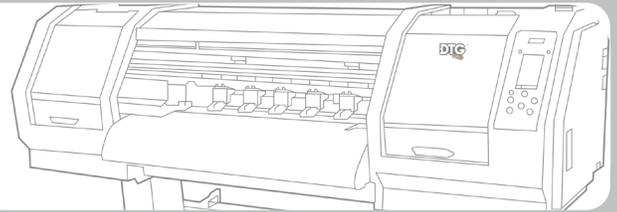


The icon circled is the decryption card light. If the print head is plugged in, the corresponding indicator light does not light up, please turn off the machine immediately and make sure that the data cable is connected correctly.



After confirming that the print head data line is connected correctly, turn it on, and observe whether the "ERROR" light on the car board is on. If the light is on, it is abnormal. Turn it off immediately and check all connections.

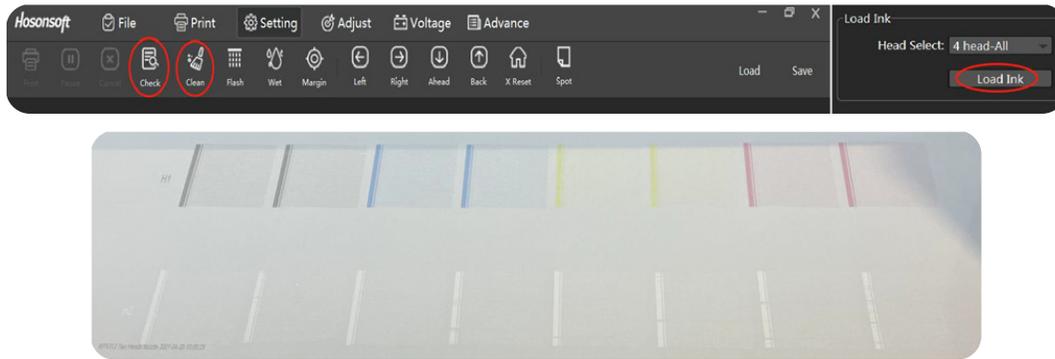
4 software installation and setup



4.6 Before Printing

4.6.1 Nozzle Test

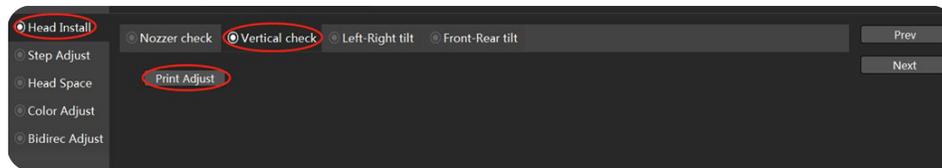
Connect the machine to the power supply and enter the printing software interface. (Note: the ink stack should be close to the nozzle after the machine self-check is completed) Click the fill ink icon to confirm that ink is flowing out of the waste ink tube, and click the fill ink icon again to cancel. Click the cleaning icon again. After cleaning is complete, confirm that the platform is free of obstacles, load the material, click the detection nozzle icon, print the nozzle test, and confirm that the print head is in good condition.



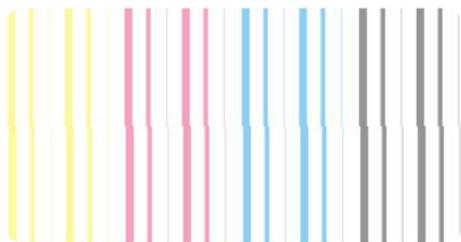
4.6 Before Printing

4.6.2 Vertical alignment of the print head

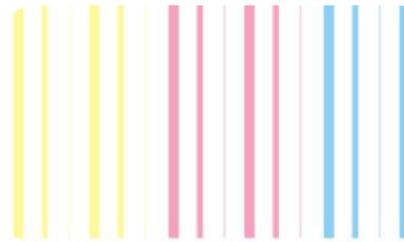
Enter the software option "Adjust" interface and align the print head vertically "Print Adjust".



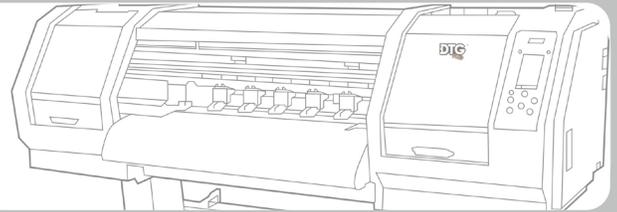
For vertical calibration, the vertical direction of the test chart required to be printed is a straight line. The vertical calibration chart below shows that the print head has been tilted and needs to be calibrated.



If there is a deviation, loosen the fixing screw of the print head and adjust the position of the print head. You can "push the print head up to the left". Then Print Adjust again, reach to form a line.



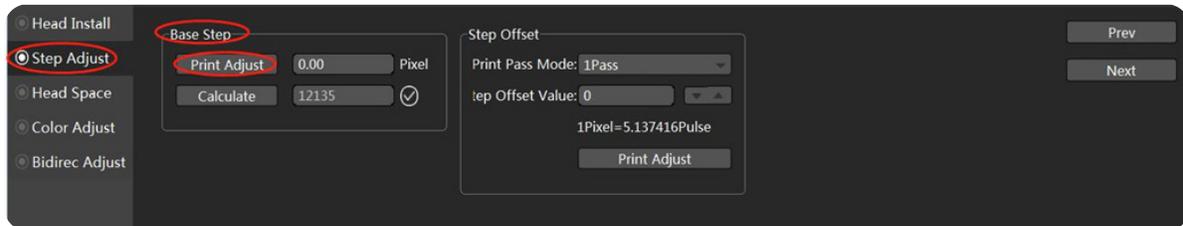
4 software installation and setup



4.6 Before Printing

4.6.3 Step Calibration

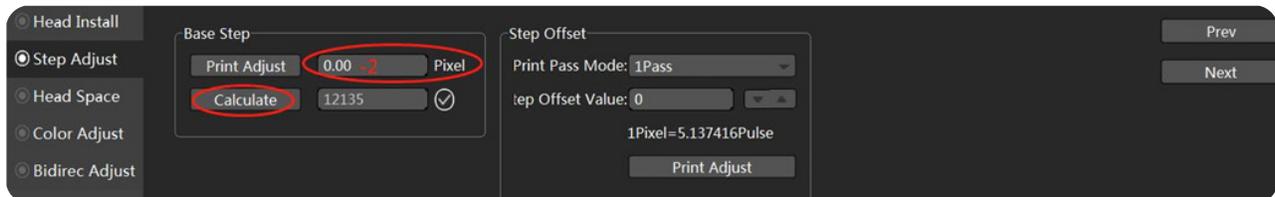
Step calibration, Print Adjust.



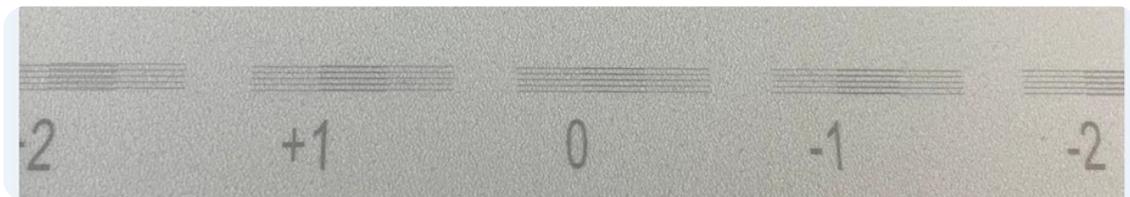
The calibration chart is at the value -2, and the lines completely overlap.



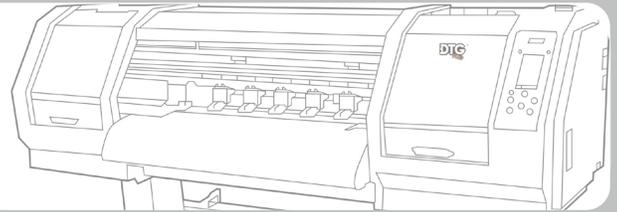
So enter the value -2 in the corresponding input box, and then click Calculate.



Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.



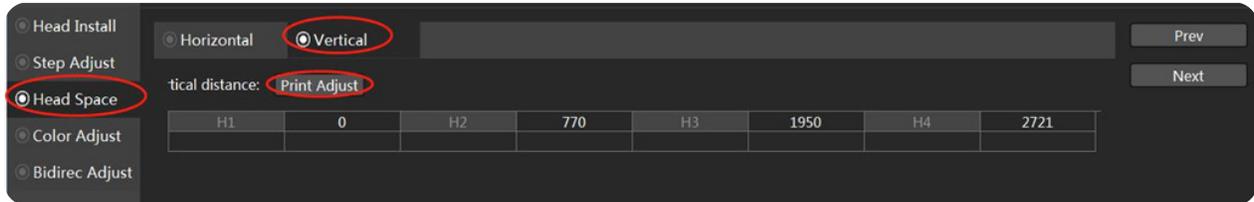
4 software installation and setup



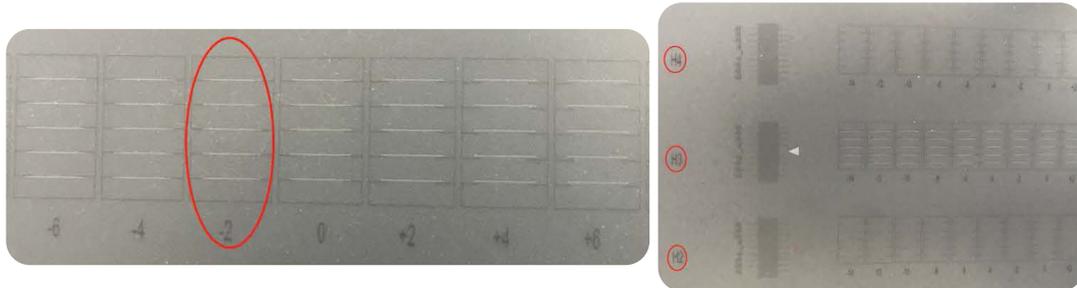
4.6 Before Printing

4.6.5 Nozzle Vertical Space Calibration

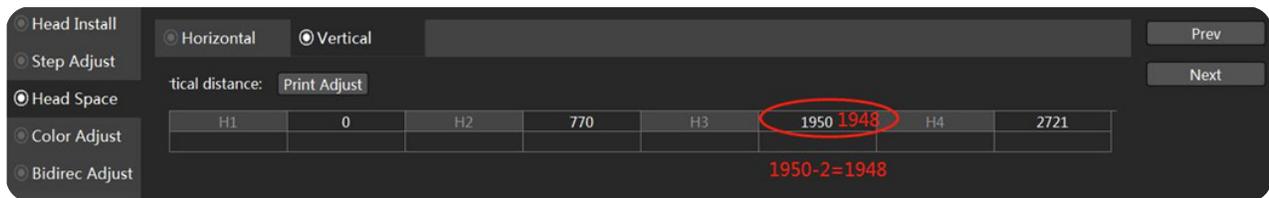
Calibration of the vertical distance between the print heads, Print Adjust.



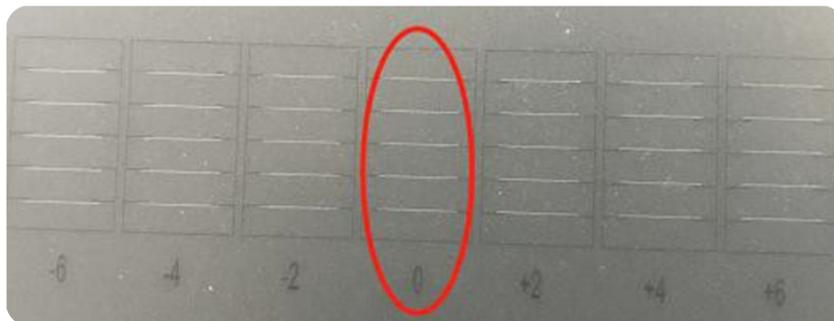
The calibration chart is at the value -2, and the lines completely overlap.



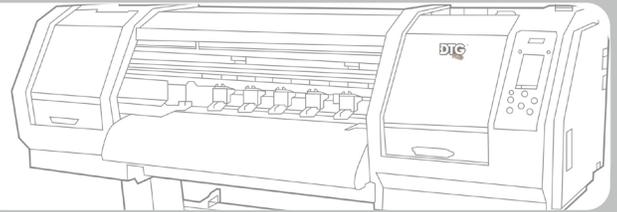
In the corresponding print head, increase or decrease the corresponding value in the input box of the corresponding printing direction.



Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.



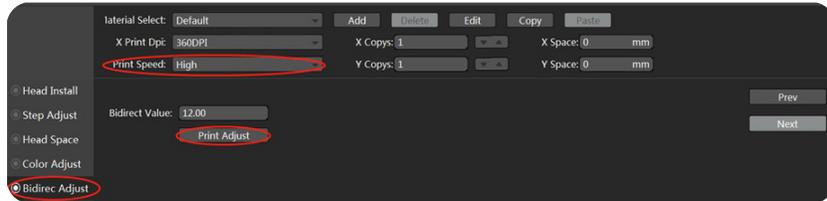
4 software installation and setup



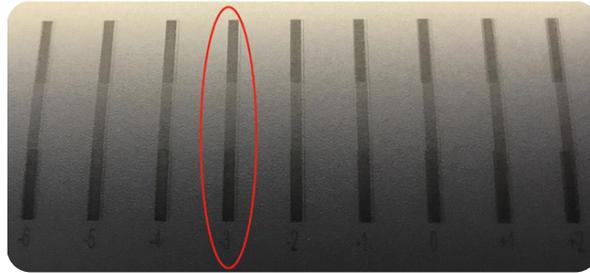
4.6 Before Printing

4.6.6 Bidirectional Printing Calibration

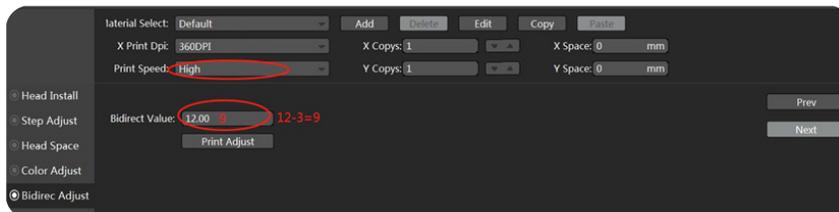
Finally, perform bidirectional printing calibration, Print Adjust.



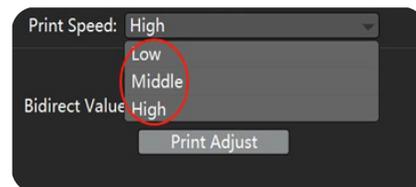
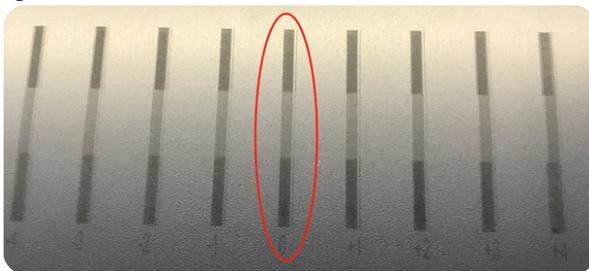
The calibration chart is at the value -3, and the lines completely overlap.



Select the corresponding printing speed, and increase or decrease the corresponding value according to the calibration chart.

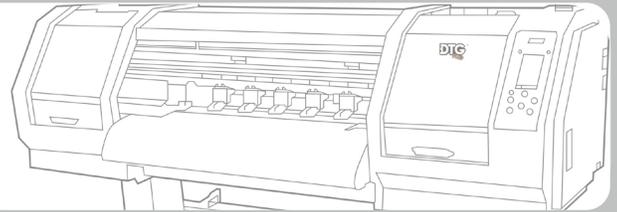


Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.



Finally, switch to different speeds Adjust to calibrate the two-way printing values and save them separately.

4 software installation and setup



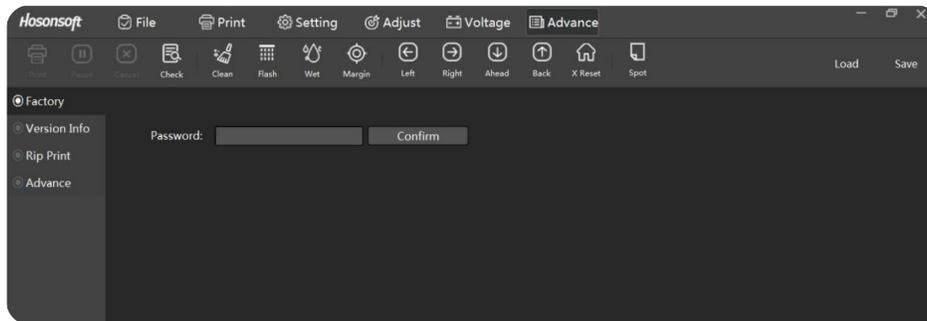
4.6 Before Printing

4.6.7 Background Factory Settings

Password:

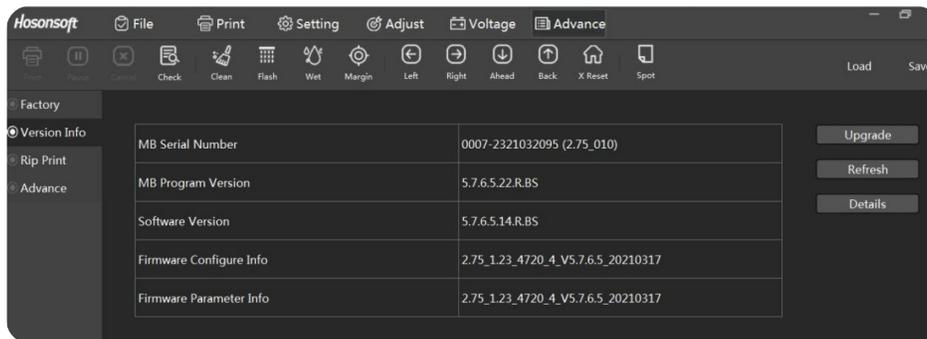
General Password : 111111

Factory model: Ctrl+F12 into factory model,then enter password: 222222



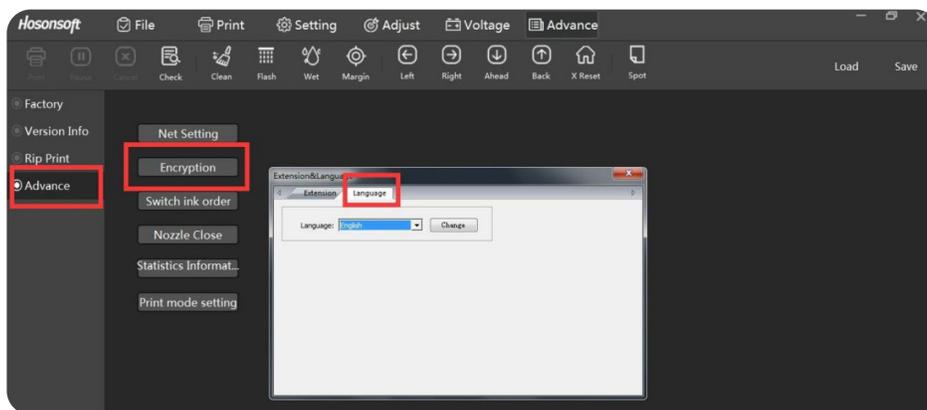
Version information

Click the version information in the advanced interface and enter the following interface:



Change key panel language

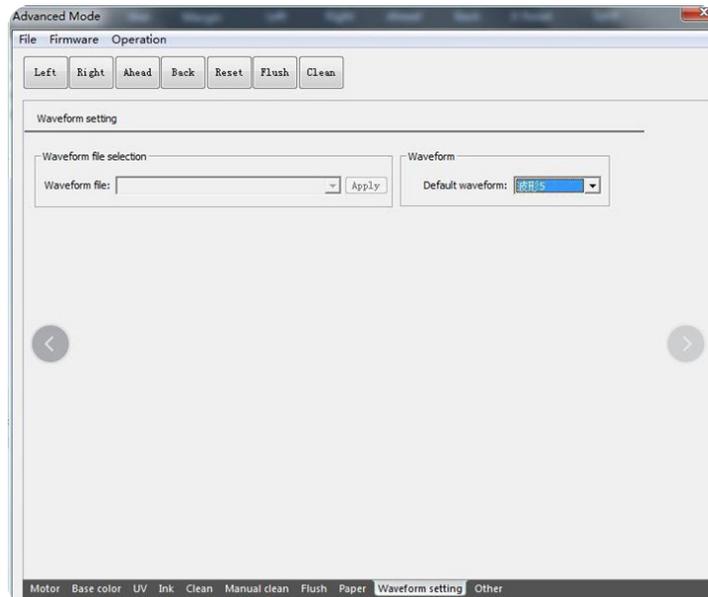
Select advance-encryption-language.as shown below



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Change waveform
Advance-enter password Into factory model
Select waveform setting ,default waveform.



ICONS

ICONS

DESCRIPTION



Printing start button to execute the print command



Print head check button to execute print head printing state



Printing pause/resume button



Printing cancel button to execute the end printing command

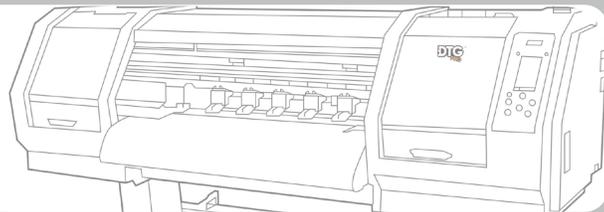


Print head cleaning button to execute print head cleaning command



Flash spray on/off button

4 software installation and setup



White edge positioning button



Moisturizing off/on button



Reset button



X motor left shift button



X motor right shift button



Feed button



Return button



Stepping fine adjustment reduction button



Stepping fine adjustment increase button



Two-way fine adjustment reduction button



Two-way fine adjustment increase button

STATUS BAR

STATUS BAR ICONS

DESCRIPTION

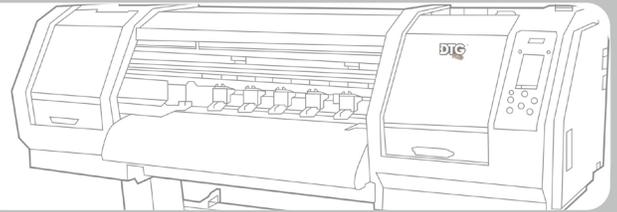


Network cable normal connection



Network cable disconnection

4 software installation and setup



Offline



Turn on the flash spray



Turn off the flash spray



System functions normally



System error



System warning



Offline



Normal print head temperature



Abnormal print head temperature



Print head temperature warning



Offline