

A2 All in 1

2-head DTF Printer

Instruction Manual



○ Thank you for purchasing this product
Please read this manual carefully before use ○ Please keep this book properly

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1. Introduce

Dear Sir/Madam:

Thank you for choosing our products, we are a highly professional and reliable supplier of DTF printer.

DTF printer is an advanced technology product that has developed rapidly in recent years. In order to help our users better operate the machine and ensure its normal operation, this manual will provide detailed instructions on how to use, maintain and precautions of the DTF printer. Please read this manual carefully before using the machine and follow the guideline for proper operation. If you have any questions, please contact our technical engineers for guidance. This equipment is suitable for temperature of 20 ~ 35°C/68 ~ 95°F and humidity levels of 35 ~ 70%RH, which can improve production efficiency and product quality.

This manual is only the product usage instructions. If there are any upgrades to the machine, we will not notify separately. If you have any good suggestions for this product, please provide feedback to the agent so that we can get the information in time and make better improvements to the machine

Thank you!




2. SAFETY INSTRUCTIONS

2.1 Safety indications and their meanings

This instruction manual and the indications and symbols that are used on the printer itself are provided in order to ensure safe operation of this printer and to prevent accidents and injury to yourself or other people.

The meanings of these indications and symbols are given below.

Indications


	DANGER	The instructions which follow this term indicate situations where failure to follow the instructions may result in death or serious injury.
	WARNING	The instructions which follow this term indicate situations where failure to follow the instructions can result in severe injury or death.
	CAUTION	The instructions which follow this term indicate situations where failure to follow the instructions could cause injury when using the machine or physical damage to equipment and surroundings.

2.2 Note for safety

Symbols




.....

This symbol () indicates something that you should be careful of. The picture inside the triangle indicates the nature of the caution that must be taken.

(For example, the symbol at left means “beware of injury”.)




.....







This symbol () indicates something that you must not do.



.....

This symbol () indicates something that you must do. The picture inside the circle indicates the nature of the thing that must be done.

(For example, the symbol at left means “you must make the ground connection”.)

 DANGER	
	Wait at least 5 minutes after turning off the power switch and disconnecting the power cord from the wall outlet before opening the cover of the control unit. Touching areas where high voltages are present can result in severe injury.
 WARNING	
Basic precautions	
	Do not disassemble or modify the printer, otherwise it may cause fire or electric shocks or problems with correct operation.
	Ask the place of purchase or a qualified technician to carry out any internal inspections, adjustments or repairs that may be required. (Any problems with correct operation that occur as a result of the customer attempting to disassemble or modify the printer will not be covered by the warranty.)
	Do not handle the power cord with wet hands, otherwise it may cause electric shocks.



CAUTION

Installation



Setting up and moving of the printer should only be carried out by a qualified technician.



The printer machine weighs approximately 150 kg. Transporting and setting up of the printer should be carried out by four or more people.



Furthermore, do not hold the printer by the ink cartridge housing when transporting it, otherwise the ink cartridge housing may become damaged and the printer may fall down and cause personal injury or damage to the printer.



Do not place the printer on unstable surfaces such as unsteady tables or high shelves, otherwise it may tip over or fall down and cause injury. Furthermore, the table that supports the printer should be able to bear a weight of 150 kg or more.



Do not set up the printer in a place where it will be affected by vibration from other equipment, otherwise it may become unbalanced and fall down and cause injury or damage to the printer.



Do not connect the power cord until setup is complete, otherwise the printer may operate if the power switch is turned on by mistake, which could result in injury.



Do not climb onto the printer or place heavy objects on top of it, otherwise it may become unbalanced and tip over or fall down and cause injury.

Printing



This printer should only be used by operators who have received the necessary training in safe use beforehand.



Leave sufficient space at the front of the printer, and avoid placing items in front of it, otherwise the platen may hit them and be damaged, and if your hands get caught between the platen and the object, injury may result.



Release your hand from the platen while the printer is operating. If your hand gets caught between the platen or the T-shirt tray and the covers, injury may result.



Do not push nor pull the platen by hands quickly. It must be a cause of operation troubles or failures of printed circuit boards.



Do not put your hands inside the covers while the printer's power is turned on, otherwise your hands may touch against moving parts and this may result in injury.



If a problem occurs with the operation of the printer, contact the place of purchase or a qualified technician.

Maintenance



Wait at least 1 minute after turning off the power switch before opening the front cover.

Touching the heat sink on the head can result in burns.



Be careful not to get your fingers caught when closing the front cover, otherwise it may result in injury to your fingers.



Do not push nor pull the platen by hands quickly. It must be a cause of operation troubles or failures of printed circuit boards.



Do not disassemble the ink cartridge or the waste ink cartridge. If the ink cartridge or waste ink cartridge is disassembled, it can no longer be used.



Take care not to let the ink, waste liquid or wash liquid come into contact with your eyes or onto your skin, otherwise inflammation can result.

Furthermore, do not drink the ink, waste liquid or wash liquid under any circumstances, as they can cause vomiting and diarrhoea.

Keep the ink, waste liquid and wash liquid out of the reach of children.



Use only the proper replacement parts as specified by Xinflying.

3. Preparations and Precautions

3.1. Unpacking Your Printer

After unpacking, check all your parts are included.
Contact XINFILYING if any of these is missing.

3.2. Required Printing Environment Condition

The printing environment request 20°C-35°C (68°F - 95°F) and 35-70%humidity.

3.3. Electrical Requirements

Please check whether your printer's voltage is match your voltage that your country use. If it doesn't match, it will lead to an explosion!

3.4. Computer configuration requirements

Computer system:

Windows10/64 -bit, Windows11/64 -bit.

CPU configuration:

Use i5 or above i5 CPU.

Memory stick:

8G or above

Power supply:

500W or above

Motherboard:

Configure the USB 3.0 port, gigabit network card

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.

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 (1TB) as a secondary disk as needed.

Based on PCIe system, Asus / Gigabit etc.

3.5 Heat Press

It is recommended the heating temperature up to 150-160 °C(302°F - 320 °F) for 10-15 seconds.

3.6 Precautions

1. The machine foot holder cup must be secured to keep the machine level to ensure that the machine does not shake.
2. Do not let liquids come into the print head and cables, as it can damage the print head.
3. Avoid scratching the print head with the printing film, as it can be fatal to the print head.
4. Before shutting down, check if the trolley is reset to ensure the print head is in the optimal position (in the middle of the ink pad). The print head must be aligned with the ink pad to maintain moisture and prevent clogging.
5. The print head cable must be correctly connected and double-checked before starting the machine. Send pictures or videos of the cable connections to the technicians. Incorrect connections can damage the print head or head board.
6. After turning on the machine, please open the white ink circulation system and let it run for 2-3 minutes before closing. This effectively prevents the formation of bubbles in the ink tubes.
7. Do not let the pet film scratch the printer head, which is deadly for heads. So the press clips on both sides of printing platform should be pressed onto printing film, covering a space of 2-3mm.
8. Keep consumables away from direct sunlight and humid environment. For optimal printing results, it is recommended to use them within the warranty period, which is one year.
9. Ink can cause ink tube blockages. To avoid this, open the printer at least once a week and clean the print head by pressing the nozzle cleaning button. If you plan not to use your printer for more than two weeks, follow the maintenance manual to prevent ink blockages.
10. The Color Bar should be set "Wetting" by the software to prevent the print head from clogging.
11. Do not unplug any wires from the machine while it is powered on, as it can damage the boards and print head.
12. The machine must be grounded to prevent ink splattering or damage to individual ink dots on the print head.
13. Do not manually cut printing film on the machine with a knife or other sharp article, as it can cause scratches and affect the appearance of the machine.

4. Product Introduction

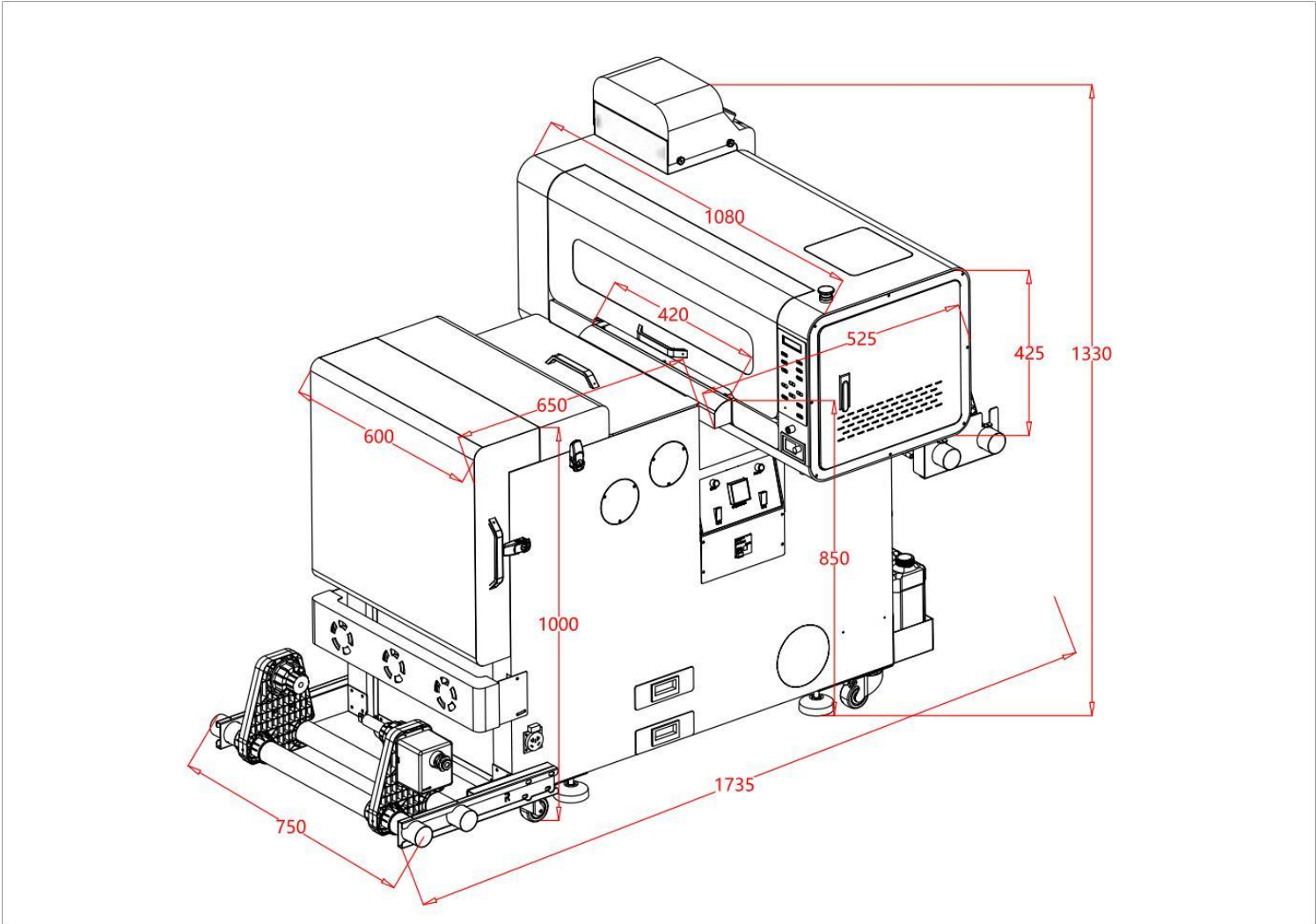
The Transfer Printing White Ink Machine, which uses Epson I3200-A1 print head with high precision, high efficiency, and finer colors. The product supports personalized customization for DIY purposes and has a wide range of applications. The machine is easy to operate and maintain, equipped with a white ink circulation system to ensure smoother ink flow and prolong the life of the print head.

5. Model specification

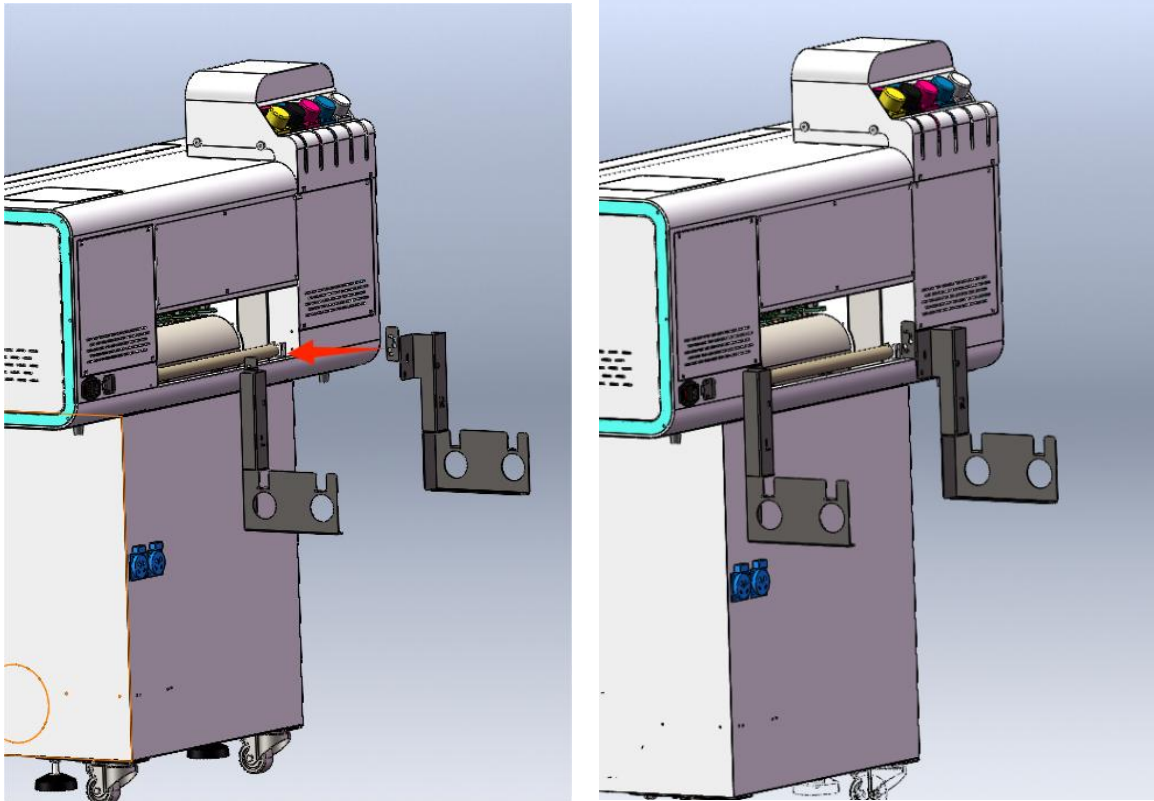
Model Type	A2 All in 1
Print head and Quantity	I1600-A1 2pcs ; I3200-A1 2pcs
Printing Resolution	2400DPI
Printing Speed	I3200-A1:4pass:12m ² /h 6pass:10m ² /h I1600-A1:4pass:10m ² /h 6pass:8m ² /h
Printing Width	42mm
Media Type	Pet film
RIP Software	Standard software: Maintop; Optional: CADlink ,PrintFactory, Photoprint(Flexi)
Temperature/Humidity	Temperature: 20-35°C/68 ~ 95°F, Humidity: 35-75%RH
Power	3500W
Machine Dimension	Machine size : 1140mm*1140mm*1500mm(L*W*H)
	Package size : 1735mm*1080mm*1330mm(L*W*H)
Machine Weight	Net weight: 218KG ; Gross weight: 200KG

6. Product show and rack installation

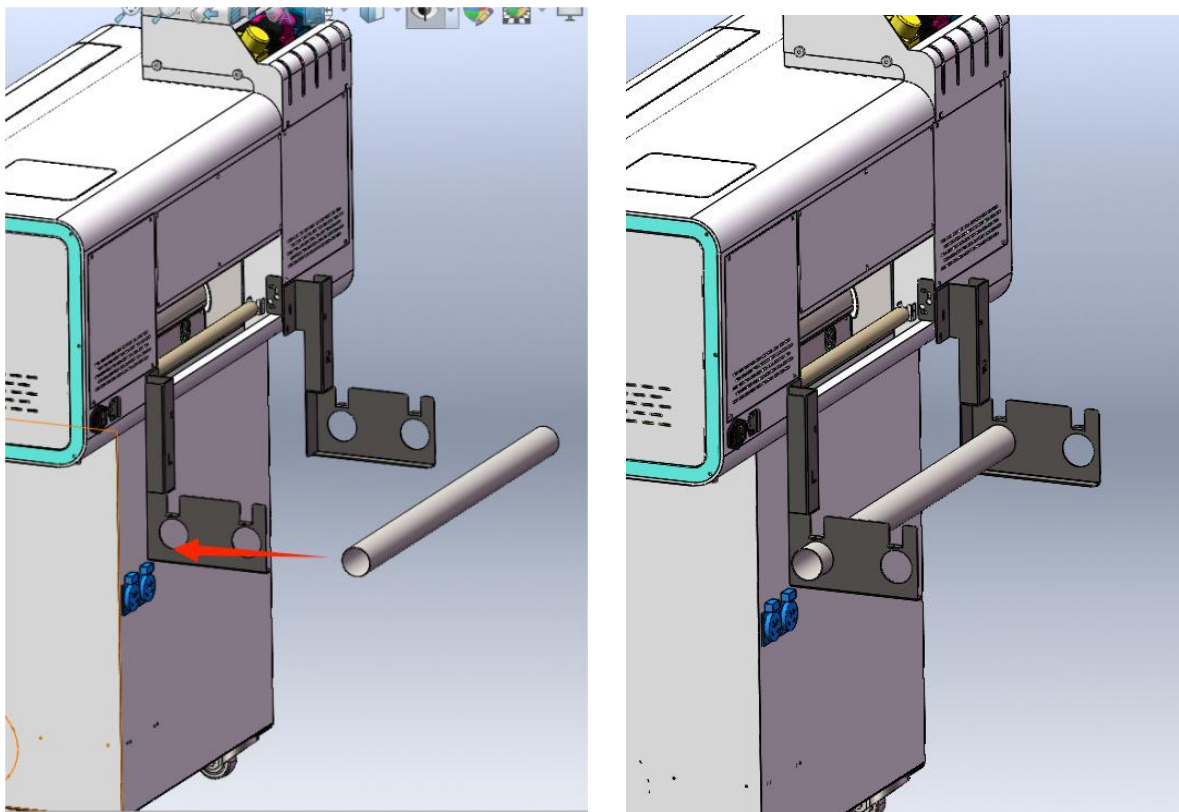
Product size

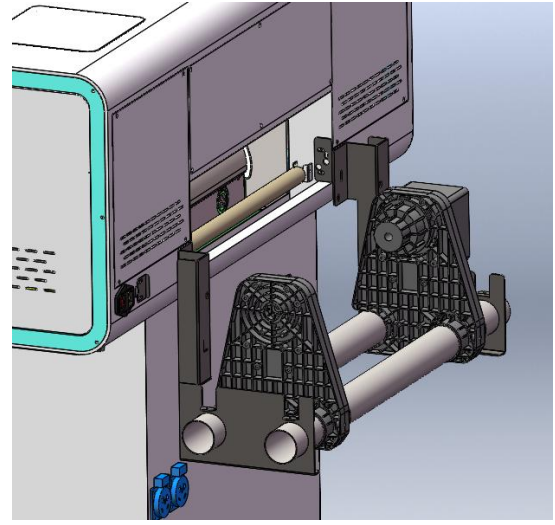
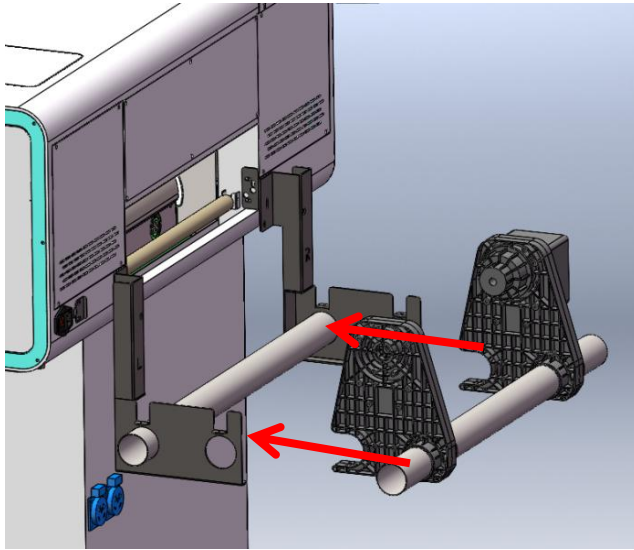


1. Paper feeder rack installation: Lock the screw hole as shown below:

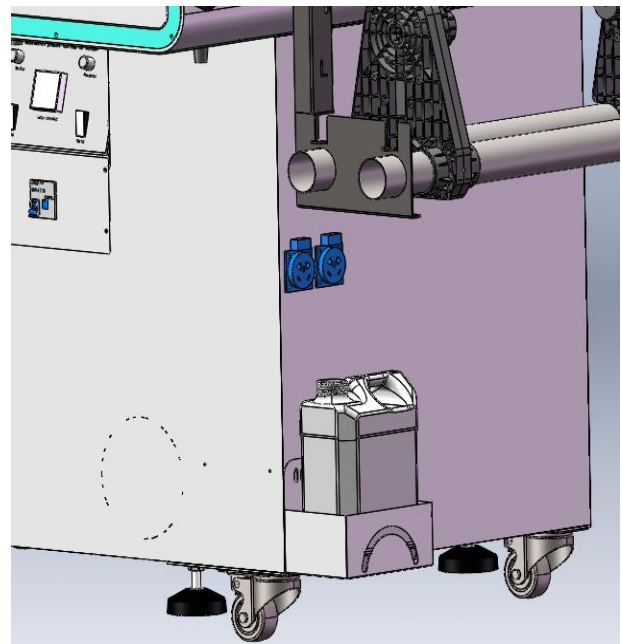
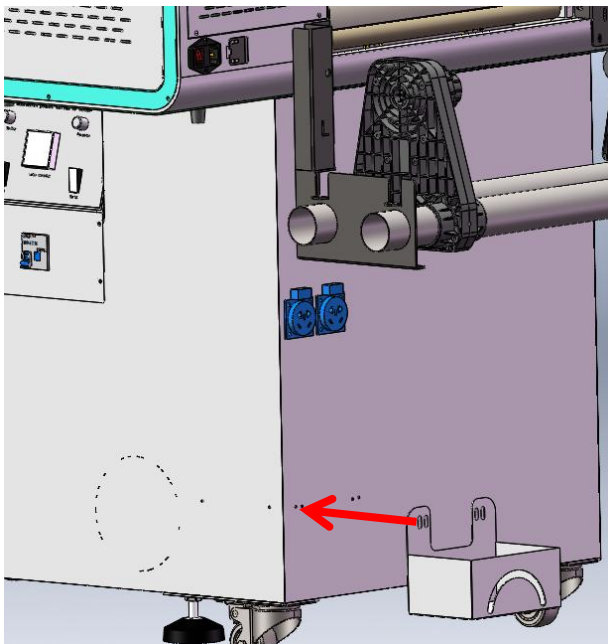


2. Stainless steel tube installation of paper feeder: as shown below:

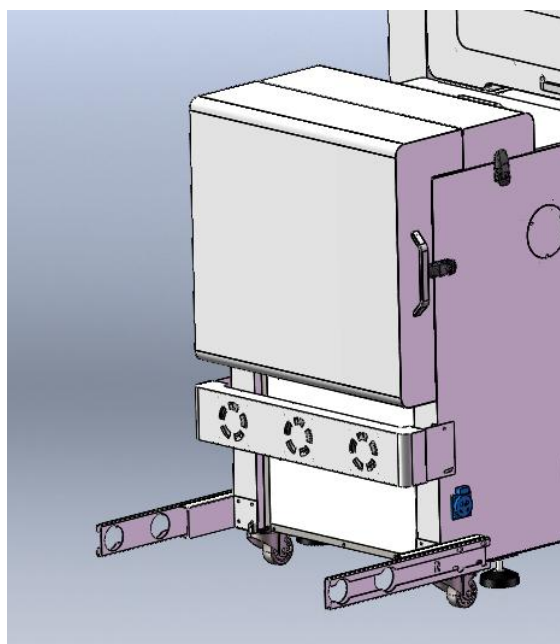
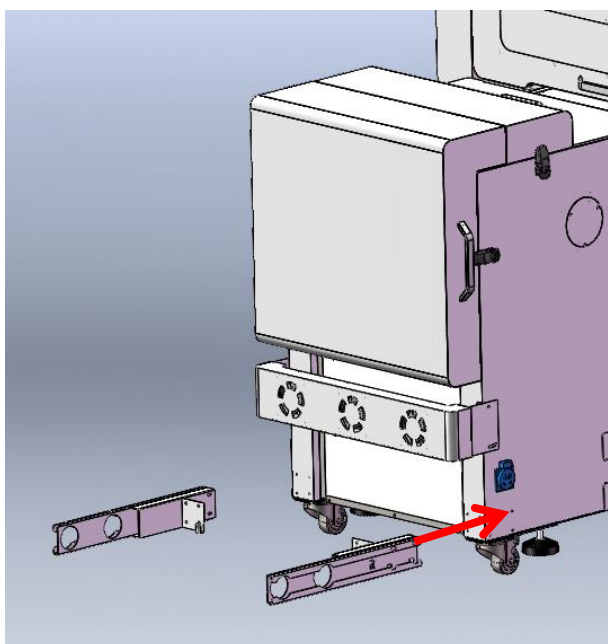




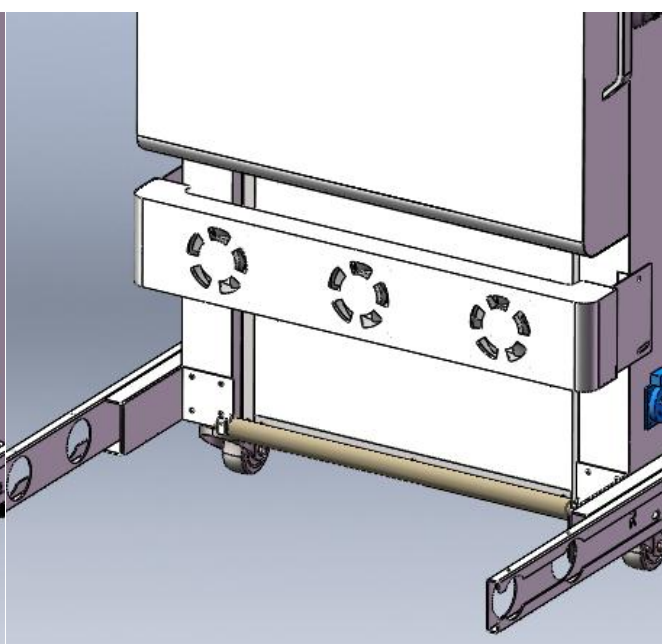
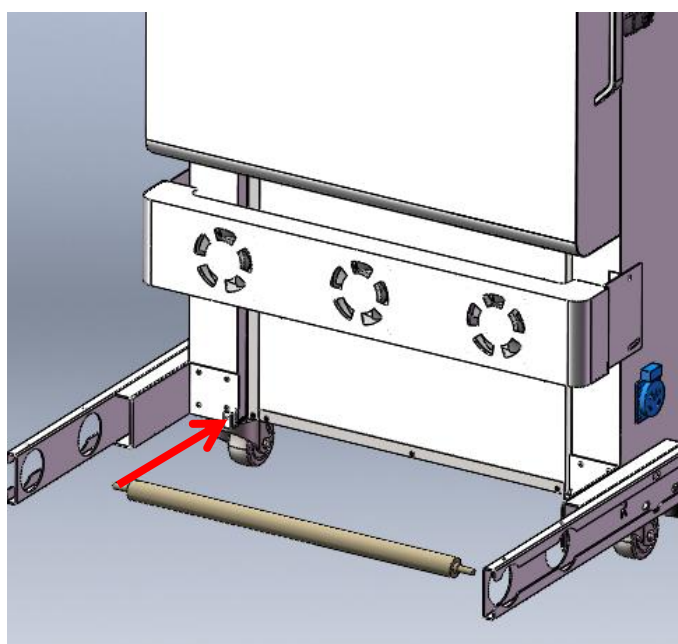
3. The rack of waste ink tank installation of paper feeder:



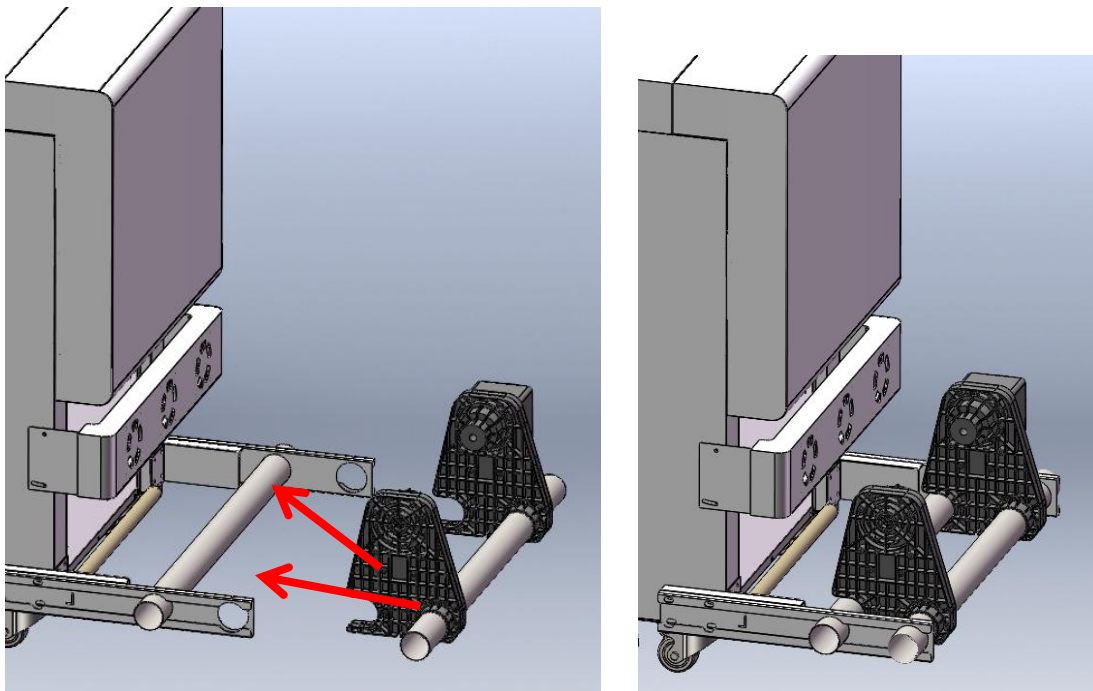
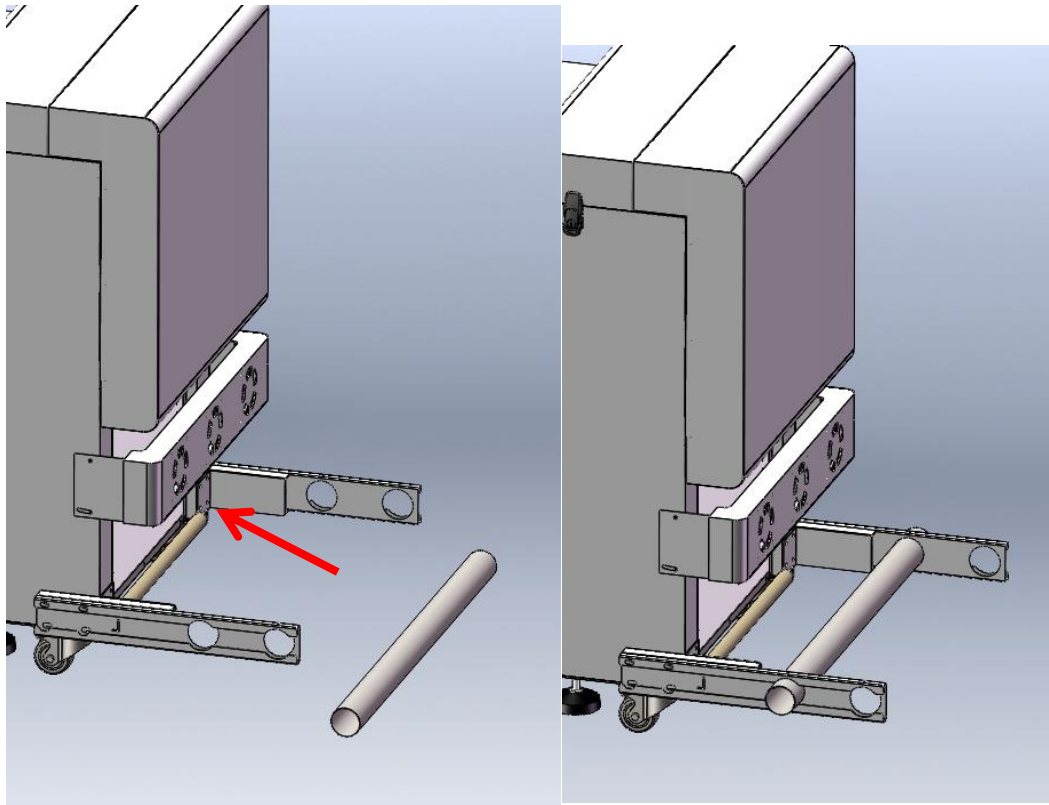
4. Paper rewriter rack installation:

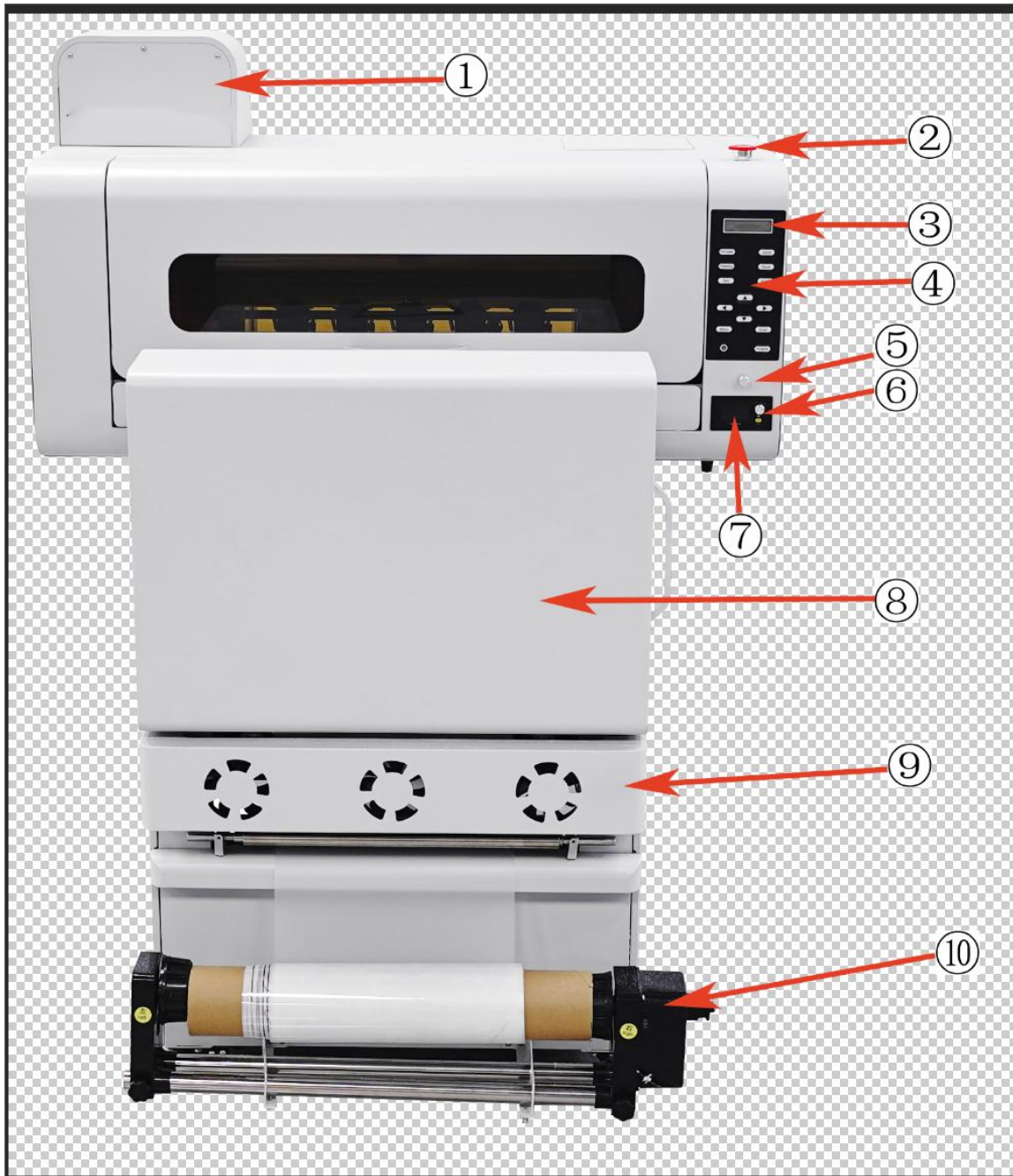


5. Paper pressing rod installation:

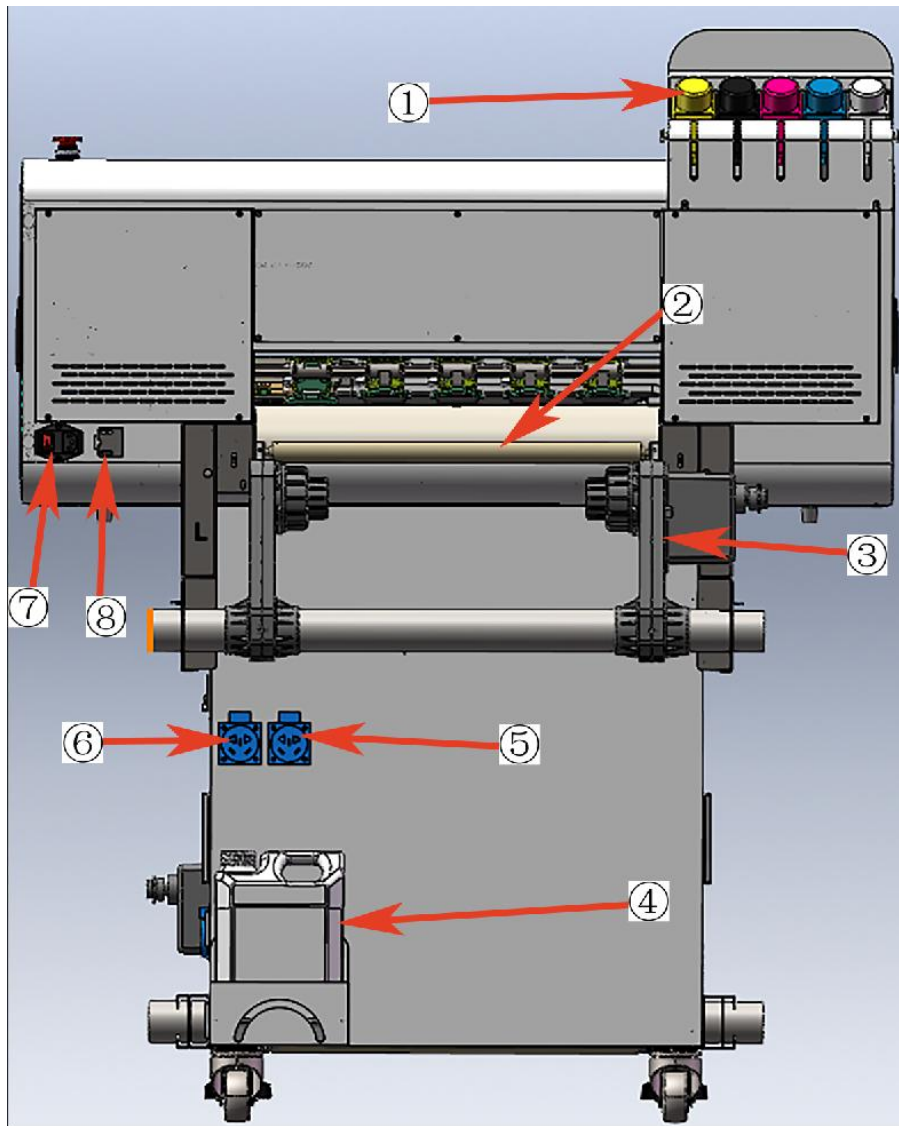


6. Stainless steel paper rewriter installation:

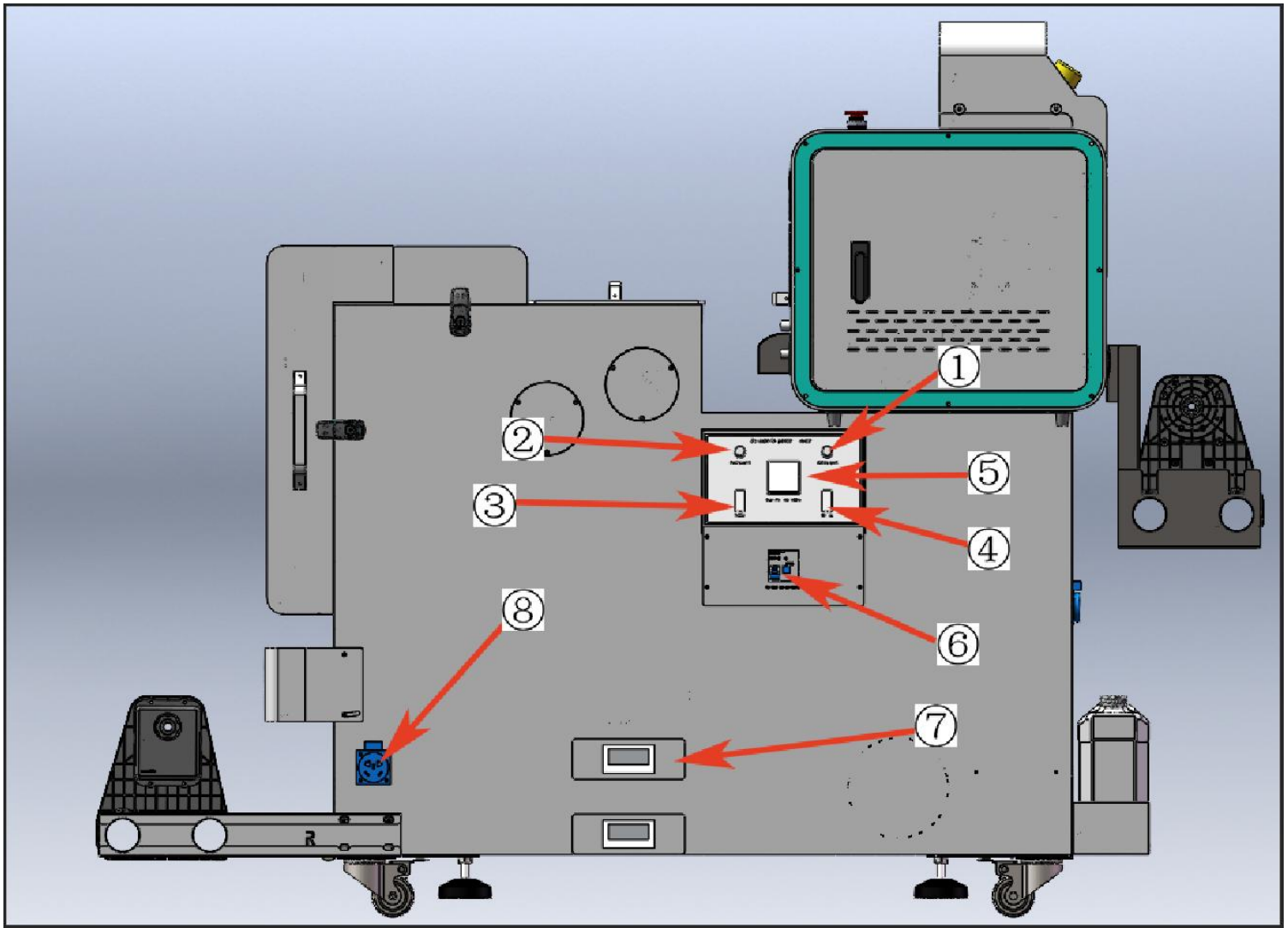




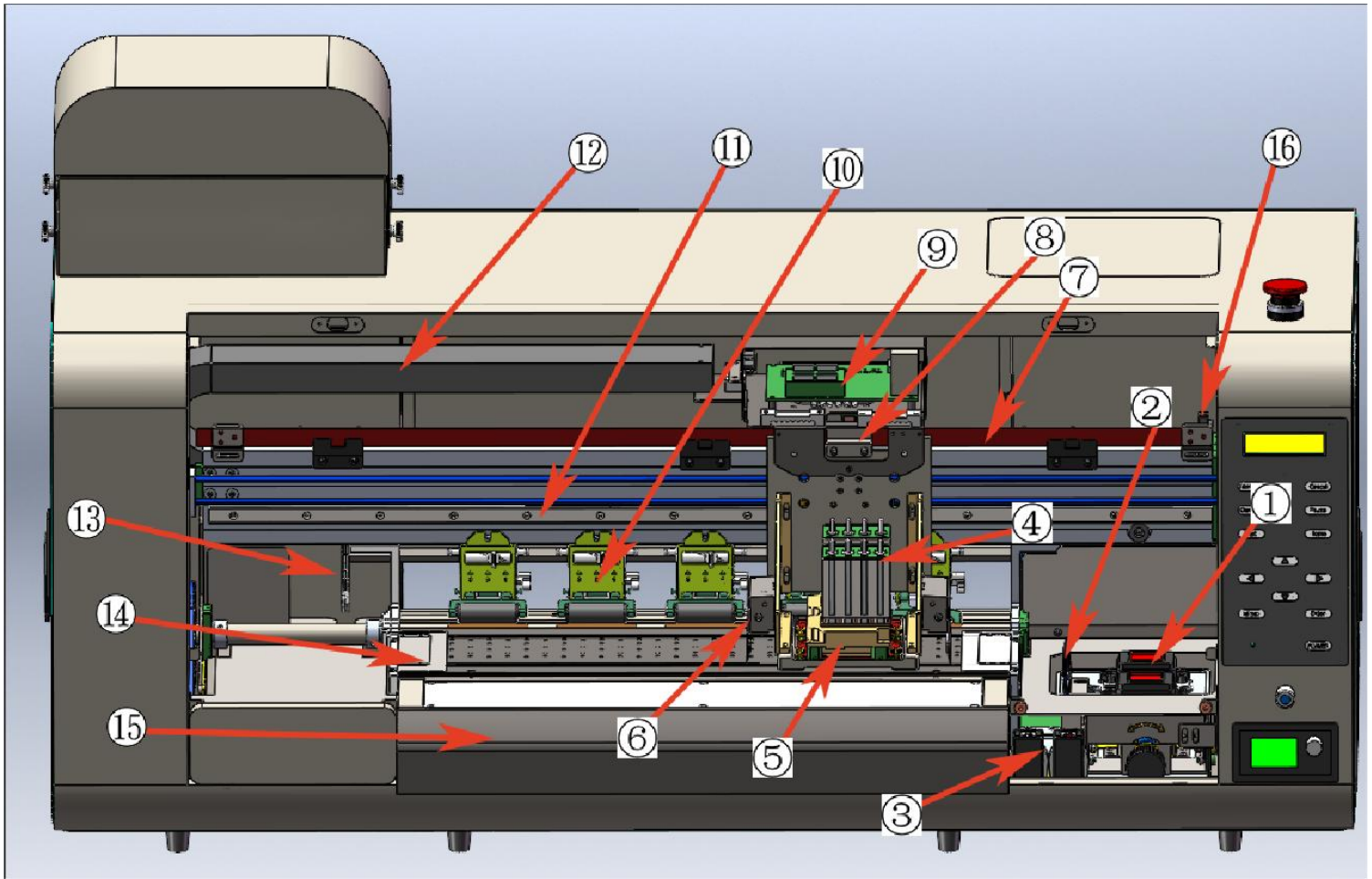
序号	名称	English name
1	油墨瓶架子	Ink cartridge rack
2	紧急停止开关	Emergency stop button
3	显示屏	LCD display screen
4	控制面板	Control panel
5	白墨循环旋钮	White ink circulating knob
6	吸风旋钮	Fan suction strength adjustment knob
7	温度控制面板	Temperature control panel
8	烘干箱	Dryer
9	风扇冷却	Cooling fan
10	收膜器	Paper rewinder



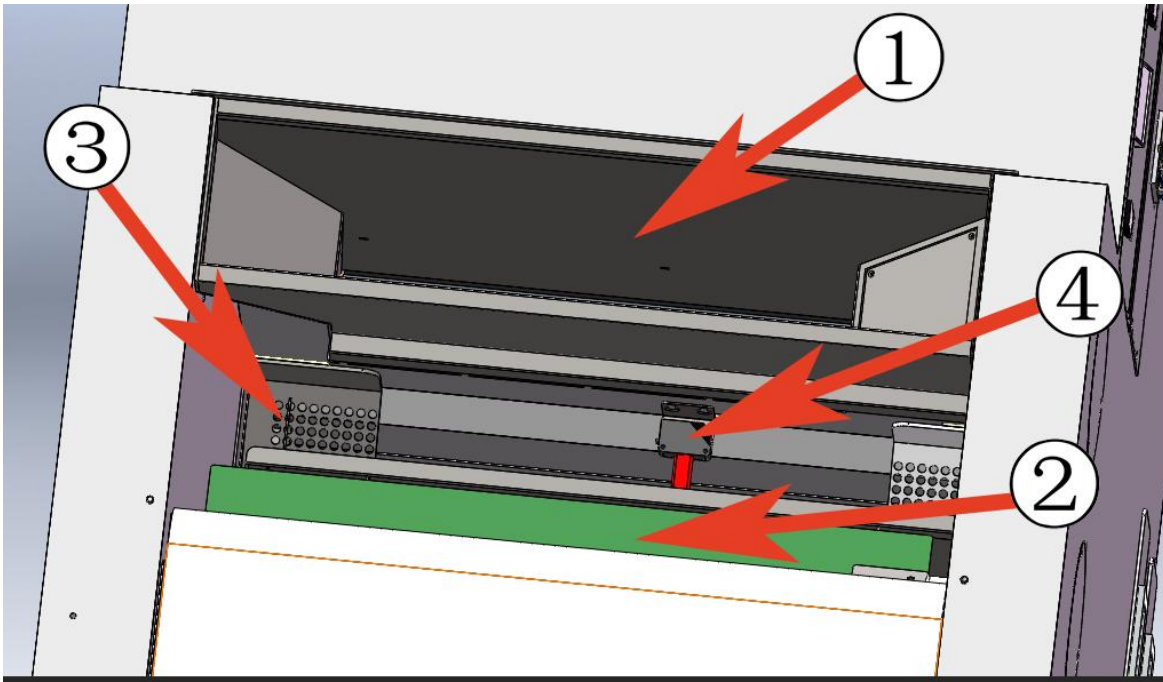
序号	名称	English name
1	CMYKW墨瓶	CMYKW ink cartridge
2	压膜杆	Paper pressing rod
3	放膜器	Paper feeder
4	废墨瓶	Waste ink tank
5	净化器电源插座	Purifier power socket
6	打印机电源插座	Main power supply Socket
7	打印机电源开关	Power switch button
8	网线口	Network cable connection port



序号	名称	English name
1	抖粉旋钮	Powder shaking knob
2	撒粉旋钮	Dusting knob
3	风扇冷却开关	Fan cooling switch
4	烘干箱开关	Dryer switch button
5	设置温度调节器	Temperature setting regulator
6	总开关 (漏电保护器)	Residual Current Device(RCD)
7	装粉盒	Powder box
8	收膜器电源插座	Power supply socket of the paper rewinder



序号	名称	English Name
1	墨垫	Ink stack capping
2	刮墨刮片	Wiper
3	吸墨泵	Waste ink pump
4	墨囊	Damper
5	喷头	Print head
6	防撞器	Anti-collision sensor
7	180光栅条	180 Grating strip
8	光栅解码器	Encoder
9	头板	Head board
10	压纸轮	Pinch roller
11	导轨	Guide rail
12	拖链	Drag chain
13	抬纸杆	Pinch roller handle
14	防翘压纸片	Press clip
15	前加热	Front heating platform
16	X原点感应器	X-origin sensor



序号	名称	English name
1	撒粉盒	Dusting box
2	抖粉胶片	Powder shaking rubber sheet
3	控粉器	Powder controller
4	收膜器感应器	Paper rewriter sensor

7. Software Installation and Set up

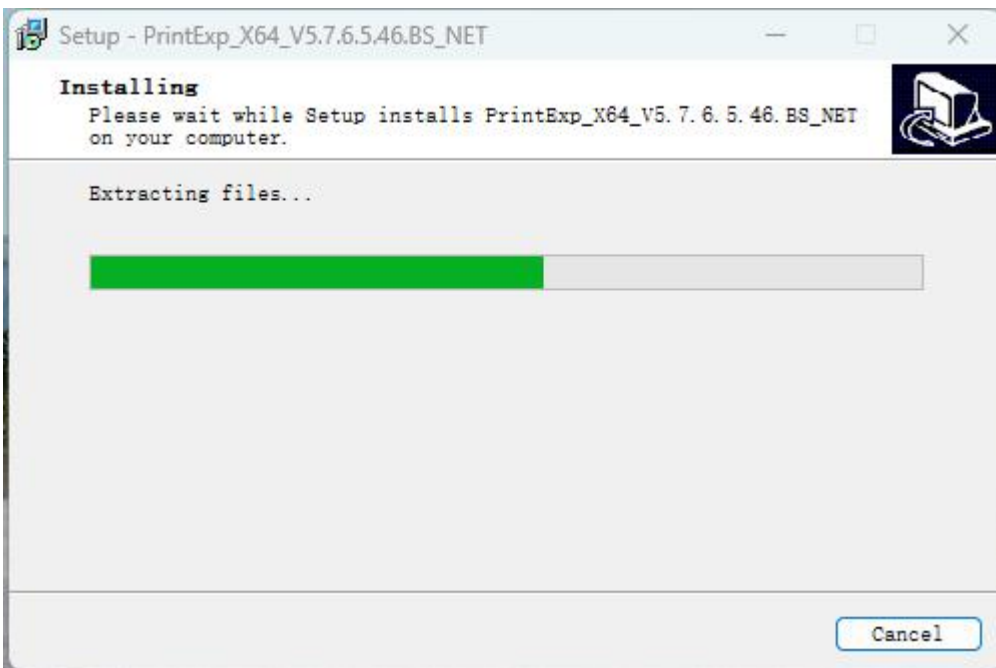
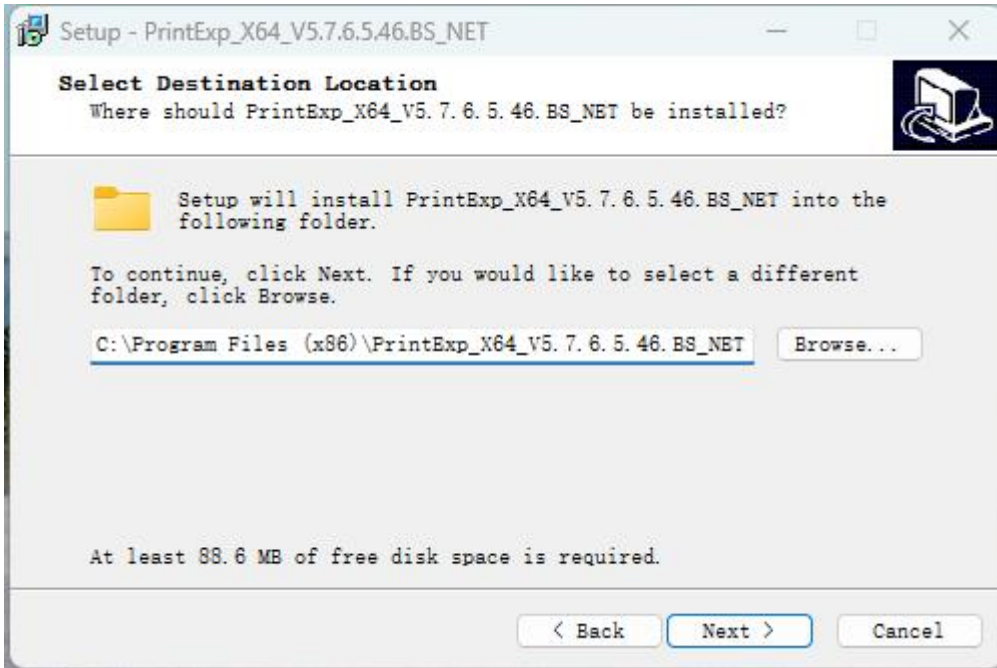
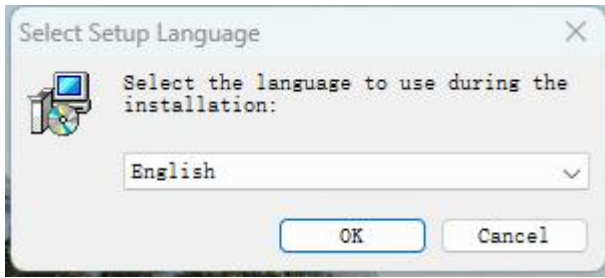
7.1 Printing software installation

1) Unzip the installation package to find the installation file.

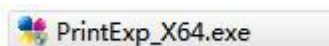
名称	修改日期	类型	大小
PrintExp_V5.7.6.5.76.Single_20230425(...)	2023/12/26 15:56	文件夹	
PrintExp_V5.7.6.5.76.Single_20230425(...)	2023/7/5 9:51	WinRAR 压缩文件	21,625 KB

PrintExp_V5.7.6.5.76.Single_20230425	2023/6/5 17:20	应用程序	208,351 KB
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2) Select the language and set the installation path

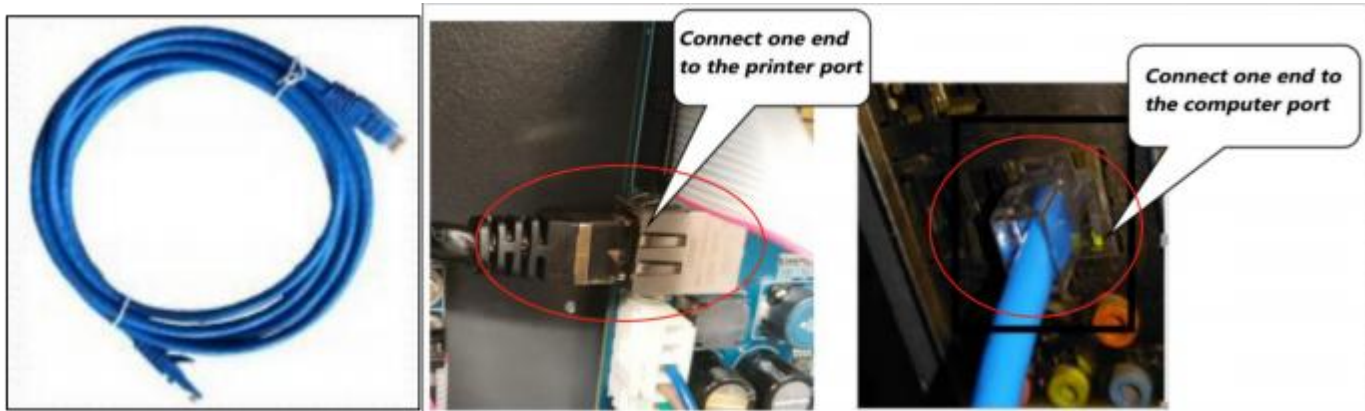


3) Create a desktop shortcut.



7.2 Connect Gigabit Network Cable

We will equip the machine with a gigabit network cable. Then we 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.



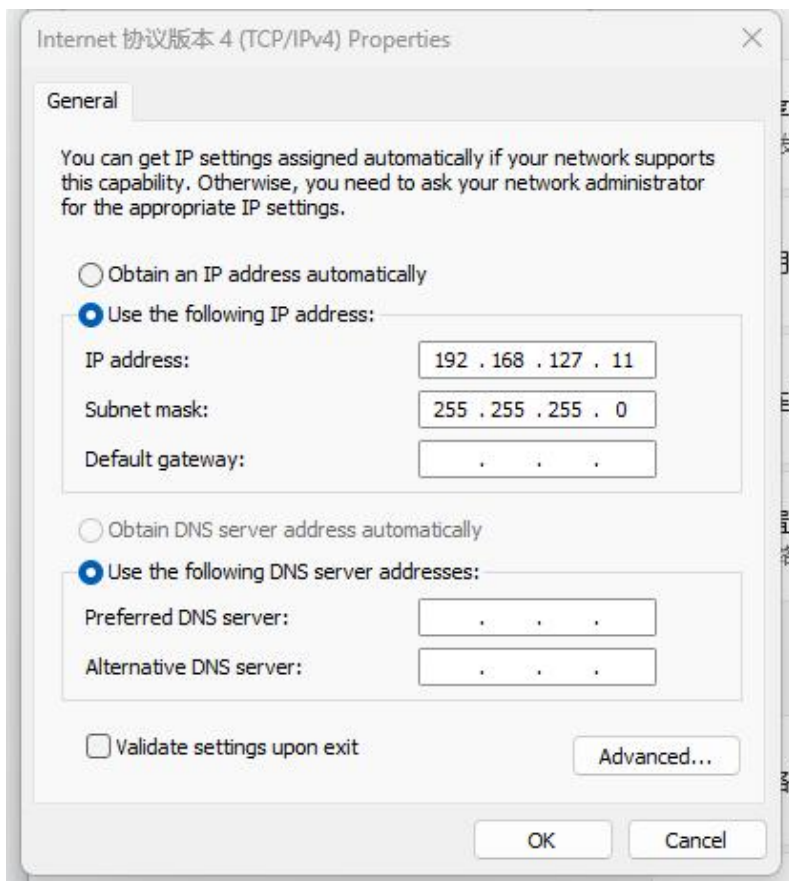
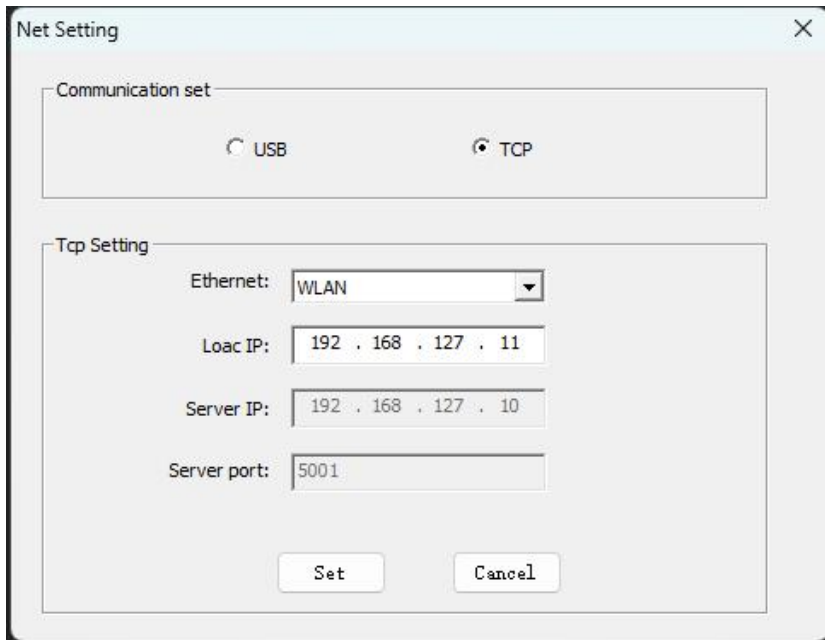
7.3 Set the online IP address of the printing software

Before connecting to the network, please check if your computer is equipped with a gigabit network card to ensure a smooth connection. The difference between a gigabit network card and a 100Mbps network card is as follows: Gigabit network cards usually have the following characteristics: Gigabit, GBE, 10/100/1000M, RTL8169.

100Mbps network card contains the following characters: Fast Ethernet, 10/100, FE.

Enter the computer's device manager to check the network adapter.

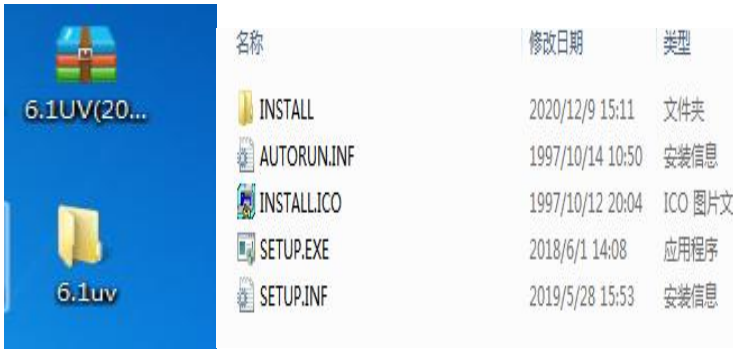
The control software version must match the board version. After installing both the control software and RIP software according to the instructions in the installation package, you can configure the IP settings for networking. Here are the steps to follow: Open the software → Network and Internet setting → Communication set → TCP communication → Enter the local host IP: 192.168.127.11 → Control Panel → Network and Internet → Network connections → Right-click on 'Properties' → TCP/IPv4 → Click on 'Properties' → Check 'Use the following IP address' and modify the IP address to 192.168.127.11. (About this, we have a tutorial introduction document we sent to you)



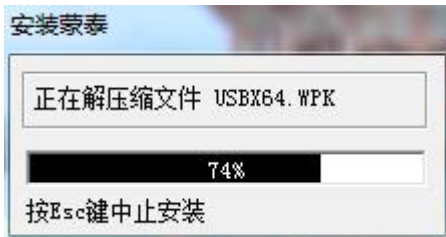
7.4 RIP software installation

The DTF printer mainly uses RIP software, which includes Maintop, PrintFactory, Photoprint(Flexi). This chapter will use Maintop as an example to introduce the installation method of RIP software.

1. Extract the installation package and locate the installation file



2. Set the installation path and wait until the installation is complete.



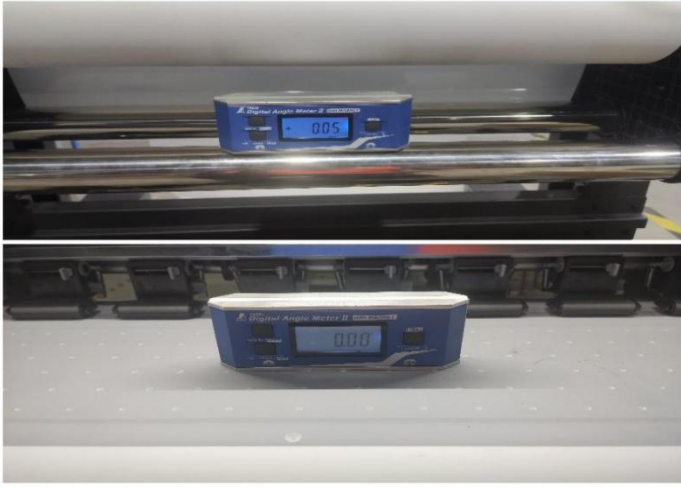
3. Finish the installation and create a desktop shortcut.



8. Printer Installation and Pre-print Debugging

8.1 Horizontal Calibration

Fix the foot cup and use a level to align the steel pipe. The calibration of the printing platform should have an error value within ± 0.1 to prevent material deviation. Please refer to the picture for details.



8.2 Ink Tank Connection

1. Install and tighten the screws on the ink tank, then put the ink tank in order, connect the ink tube to the corresponding color ink tank, and insert a clip in the middle of the ink tube (The clips can be used for the printer after disconnecting the power, the clip clamps the ink tube to prevent ink from flowing and leaking).
2. The white ink tank has two connection ports. The ink tube on the white circulation pump is inserted into the top outlet of the white ink tank. The other ink tubes should be connected to the under outlet of the corresponding ink tank. There are color labels on the ink tubes, which should be connect to the corresponding colors.
3. When connecting, remember to put on the ink tube clips. Like the picture shows.

Note: No adding ink when the ink tube and damper are not connected.

Remember to clip the ink tubes.



8.3 Print Head Installation position and cable connection

Take out the print head and its cover , use a syringe insert into the four ink holes above the print head respectively. Gently flush out the moisturizer inside the print head. Gently wipe the surface of the print head with a dust free cloth, install back the print head cover. Connect the print head cable, and stick the connection between the cable and the print head with special waterproof tape. Gently align the print head with the holes and screw it, the screws

are just tight enough.

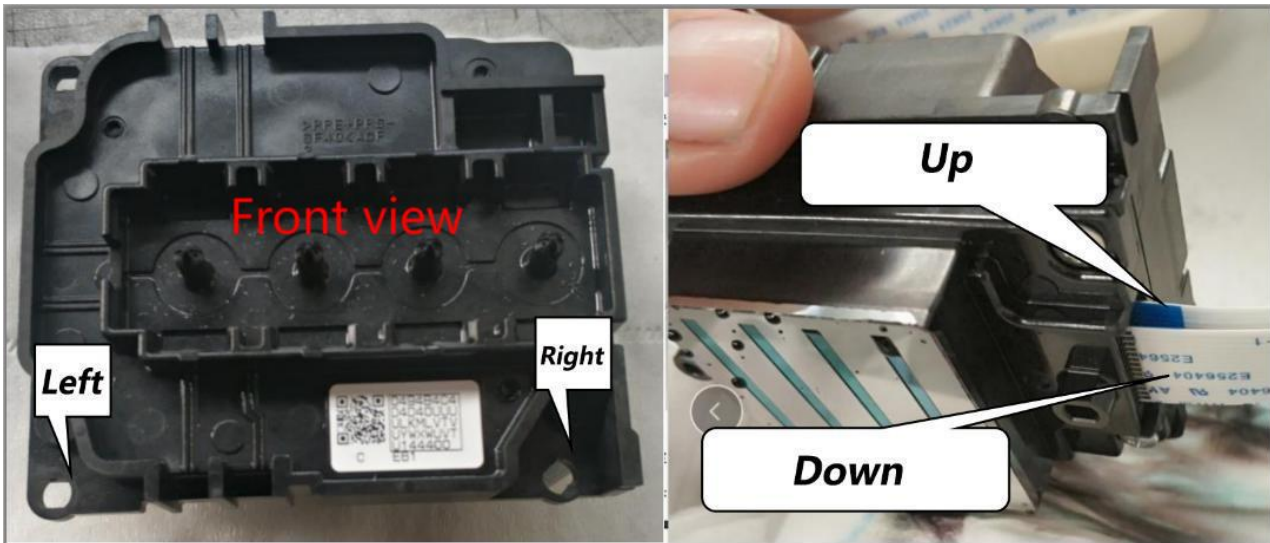
NOTICED:

- ① You can't use a large syringe, use a 2.5ml small syringe to lightly flush out the moisturizer. Cleaning the print head also use a 2.5ml small syringe.
- ② The cables should be aligned and inserted with appropriate force. Don't use excessive force or insert it crookedly, and make sure it is not inserted in the wrong orientation.
- ③ When connecting the cables, pay attention to whether the metal part of the cable is bent or broken.
- ④ DO NOT scratch the surface of the print head to prevent damage to the print head; Note that the bottom of the print head should not be touched (Red circle mark is the bottom of the print head), because the bottom of the print head is very fragile.



- ⑤ The screws on the print head should be properly tightened, and DO NOT tighten too much to prevent damage to the screw holes and damage to the print head.

1. Installation of the cables, the print head should be connect with 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 cables!)



2. Install the print head

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

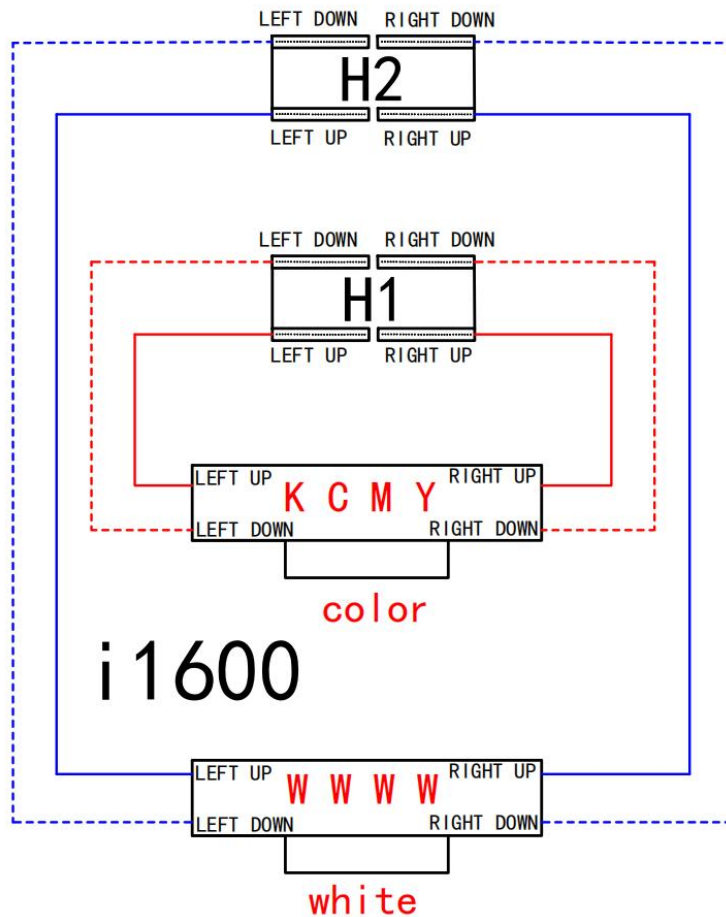


Schematic diagram

The order of cable connections corresponds to the markings on the cable headboard and the print head.

(Note: When plugging or unplugging the print head cable, do not turn on the printer. Please remember that reversing the cable of the print head is not allowed as it will damage the print head!)

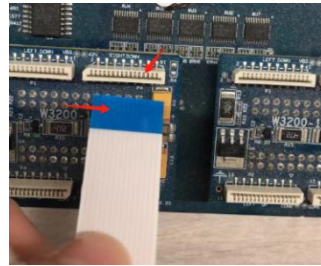
I1600 print head



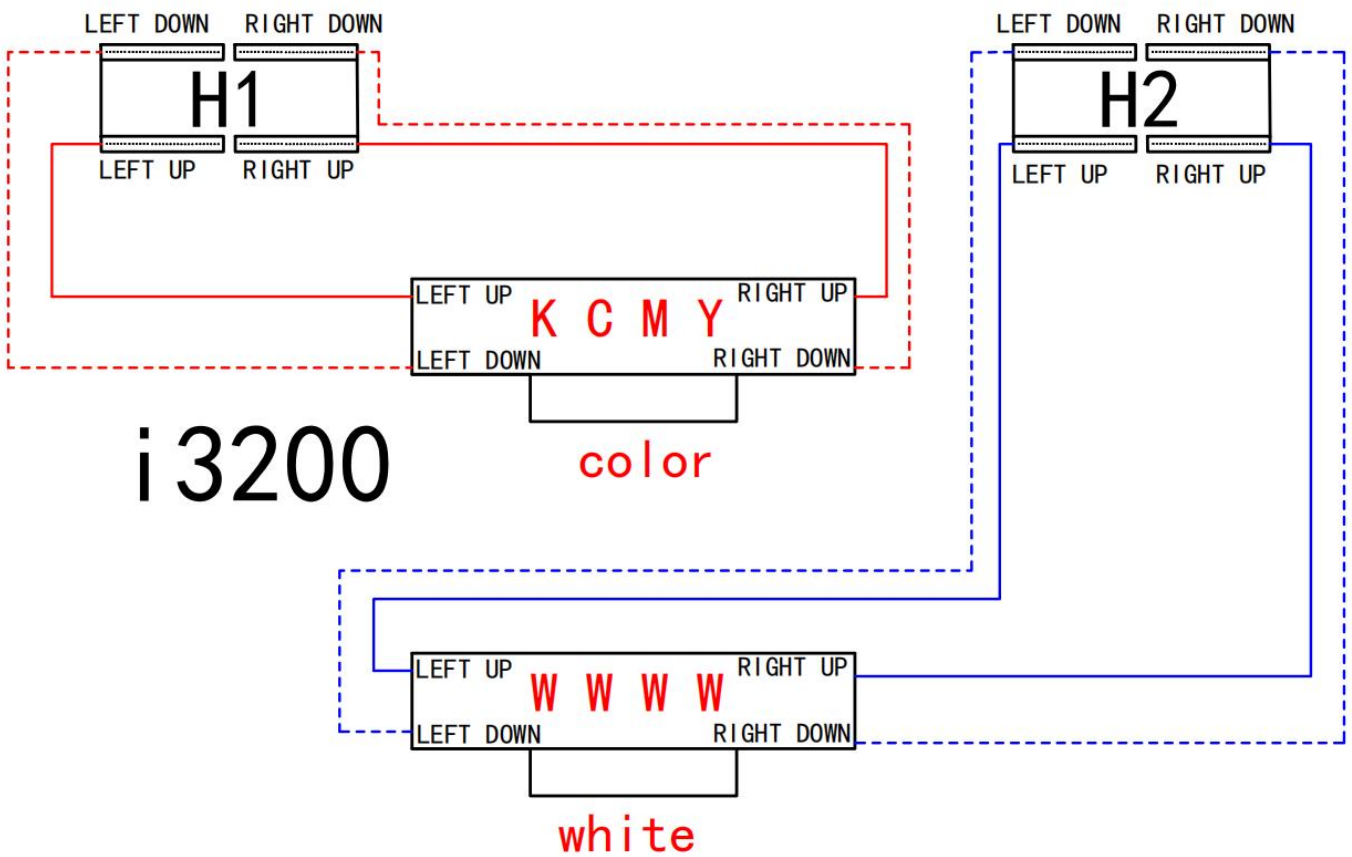
I3200 Print head



Correct(metal part to metal part)



Incorrect



After confirming the print head's cables are connected correctly, (You need to take photos or record video to our technicians for checking so that you can turn the printer on! .

8.4 Damper Installation

Take out the damper. Install the color print head's dampers in the order of KCMY (black, cyan, magenta, and yellow); There is no specific order for the white ink dampers; After adding ink to the cartridge, use a syringe to remove any air bubbles and ensure that the ink flows smoothly into the damper and tube. Align and place well the dampers into the print head, and install it with appropriate force.

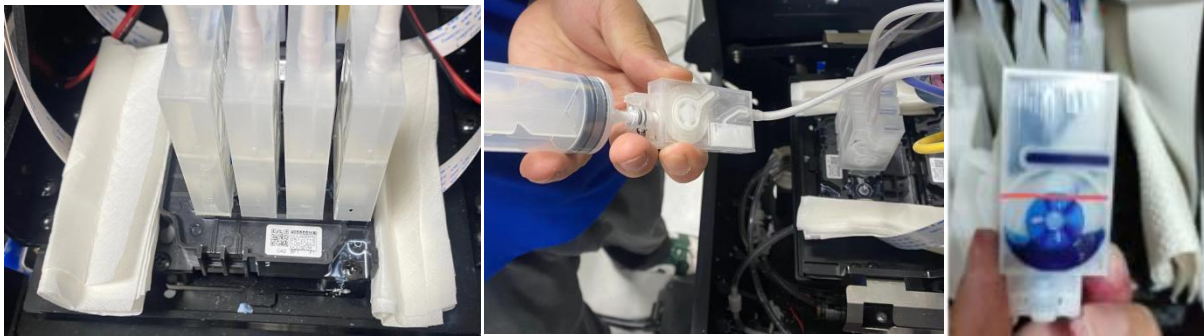
① **Shake evenly the ink bottle before pouring to prevent the ink sedimentation. Pour the ink into the corresponding ink cartridge.**

② **You can only hold the dampers on the sides because the middle of the dampers is very fragile.**

③ **When the dampers are installed and removed, it is best to put dust-free cloth or tissue on the both side of the print head to prevent ink from leakage, which will damage the print head and boards.**

④ **Turn the damper upside down and use a syringe holds against damper firmly to suck the ink out ; the ink in the damper should reach the position of the red line , and then put it back to the original position.**

⑤ **The damper should be installed in place to prevent ink leakage**



9. Power-on inspection

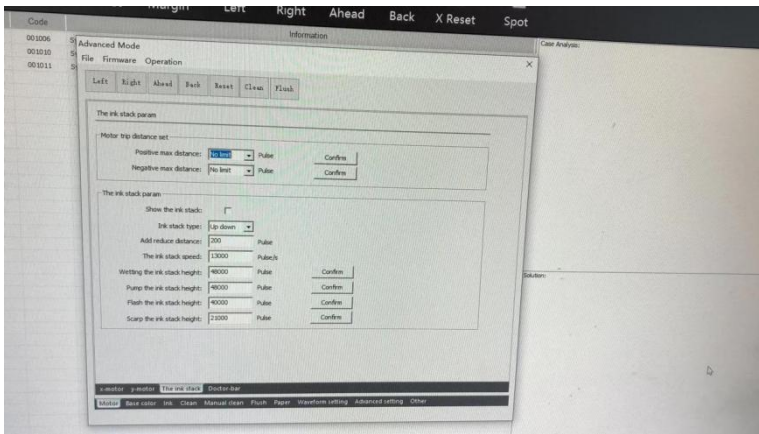
There is a wire with yellow and green color on the right corner of the printer, which should be connected the earth wire well. Besides the power supply cord, it is necessary to plug in the earth wire as well. If your printer does not connect to the earth wire, the boards and print heads will be damaged, If this is the reason for the damage to the boards and print heads, the printer's boards and print heads will not be covered under warranty.

Ensure a one-to-one connection between the print head, decoder, and head board. First, connect the decoder to the head board, and then connect the print head to the decoder. Place your hand on the Emergency Stop. Turn on the printer and observe for any abnormal situations, such as the LED18 on the head board flashing red light or the decoder not lighting up. If any of these issues occur, press the Emergency Stop button within 2 seconds to stop the printer. Then, check if the cables are connected in reverse or misaligned, and inspect if the metal part of the print head is bent or broken.

10. Debug Before Printing

10.1 Confirm ink stack and cleaning parameters

Open the software → Advanced Mode → Manufacturer mode → Enter password 111111 → Ink stack capping should be aligned well with the print head; Confirm the pumping height (moisturizing height is consistent with pumping height), The ink stack should be lowered 1mm where it fits into the print head; Confirm the position of the flash spray height, ink stack and print head place well; Confirm that the wiper is 0.2mm higher than the print head; Turn off the printer, then you manually push the carriage in a slow speed, observe whether the print head scratch on the film press clip, next adjust the height of the carriage, 0.2mm higher than the printing platform, observe whether the cables are pulled, need to sort out the cables.



10.2 Print Nozzle Test & Confirm the status of Print Head

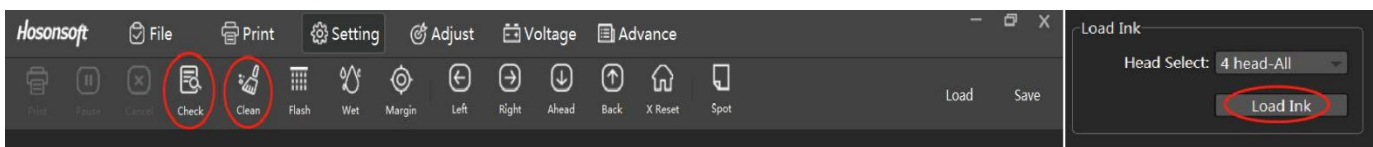
1. Print Nozzle Test

Connect the machine to the power supply and enter the printing software interface. (Note: the ink stack should be closed to the print head after the machine self-check is completed).

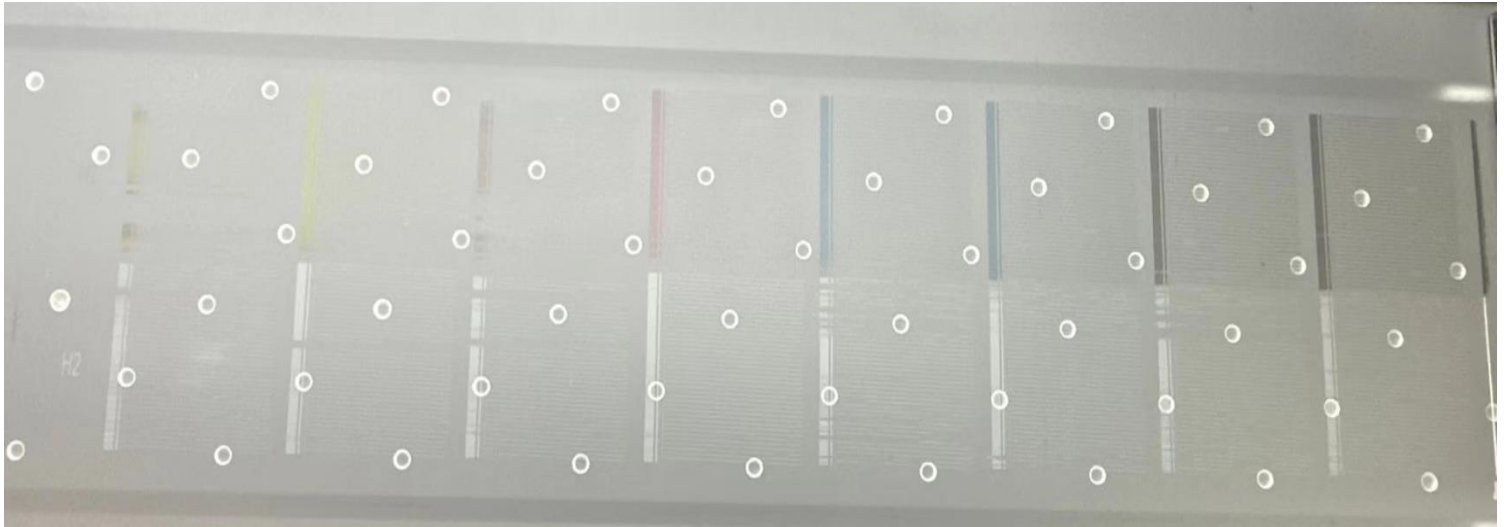
Load ink for 12 seconds and confirm that ink is flowing out of the waste ink tube, then stay still for 1-2 minutes, and then click the clean icon **“WEAK CLEAN”**. After the cleaning is complete, confirm that the platform is free of obstacles, then print a nozzle test. Then you observe the ink out of the print head, if there is no ink or ink missing on the test strip, **“WEAK CLEAN”** again. **If there is no improvement after cleaning for 2-3 times, Needs to contact our technicians.**

If the ink performance is not good, the print head should be cleaned well, and then print again (Once printing, you need to make a nozzle test firstly as mentioned above)

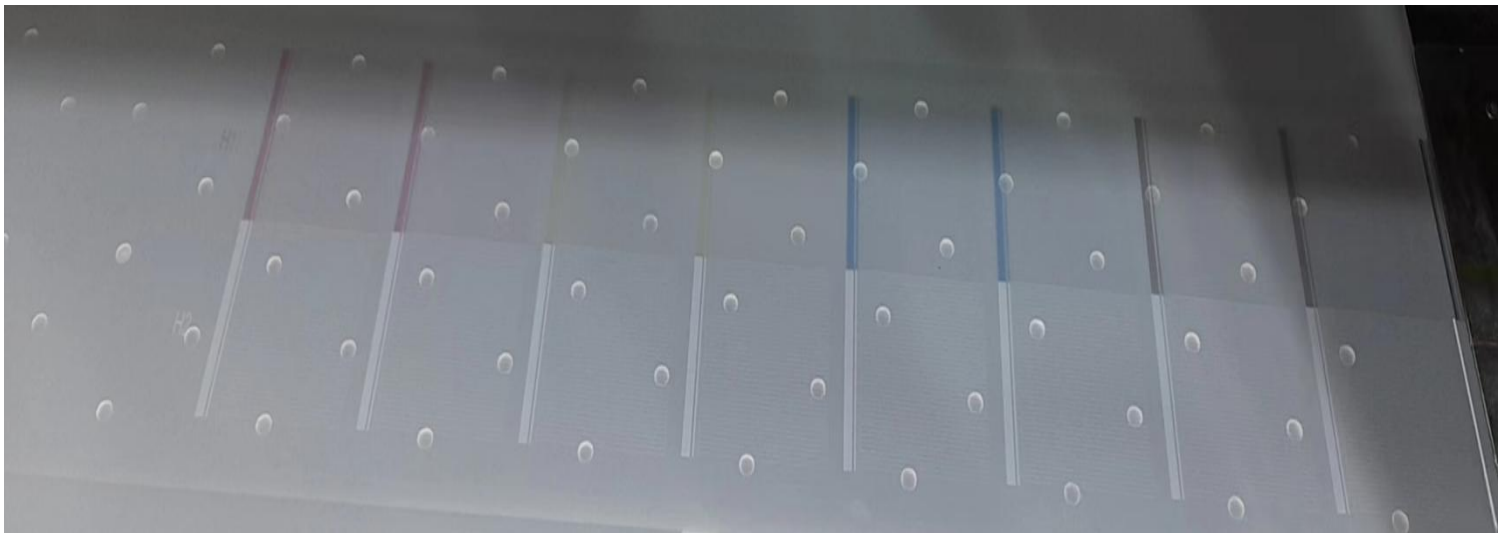
IF DON'T KNOW HOW TO CLEAN, please contact our technicians.



I3200 nozzle test strip

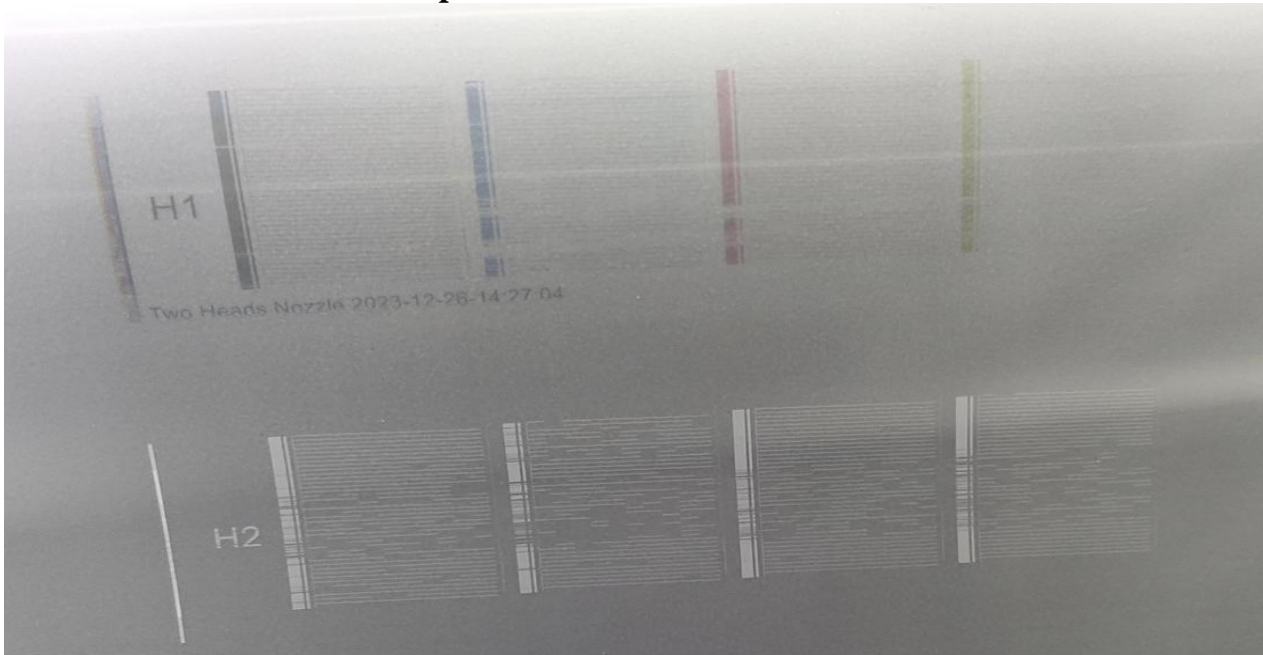


Test Strip with problem (ink not come out 100%, and all color not show in single line)

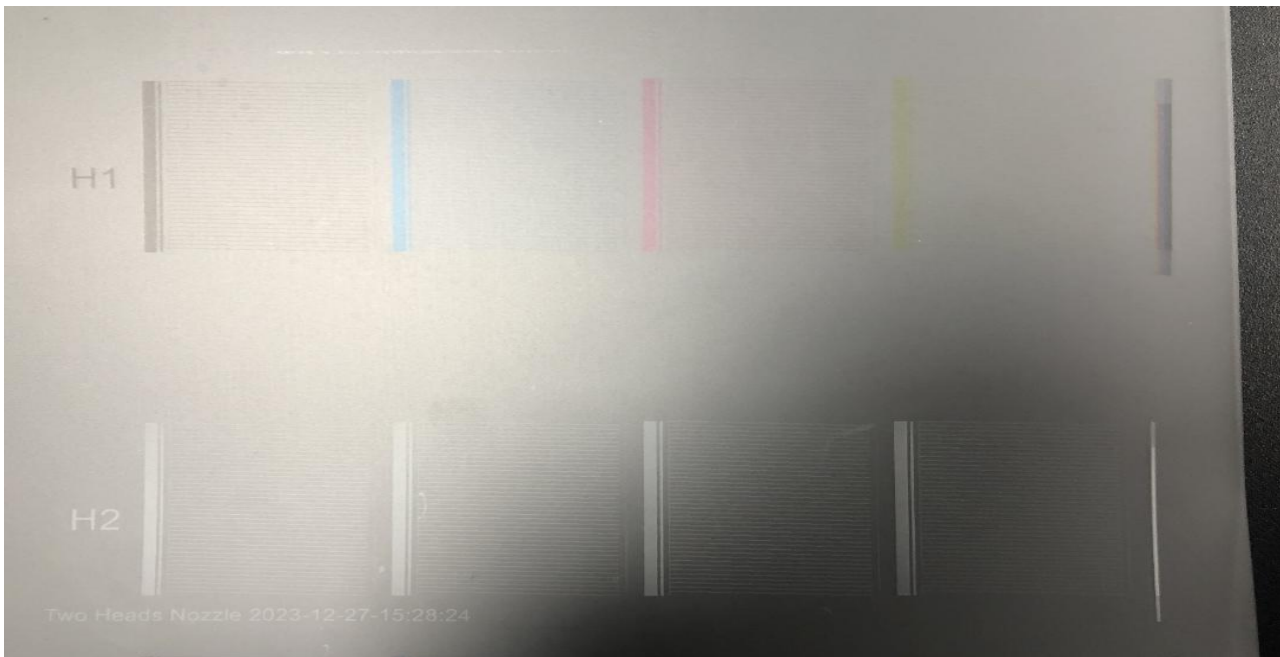


Normal Test Strip (all ink come out 100% and all color show in single line)

I1600 nozzle test strip



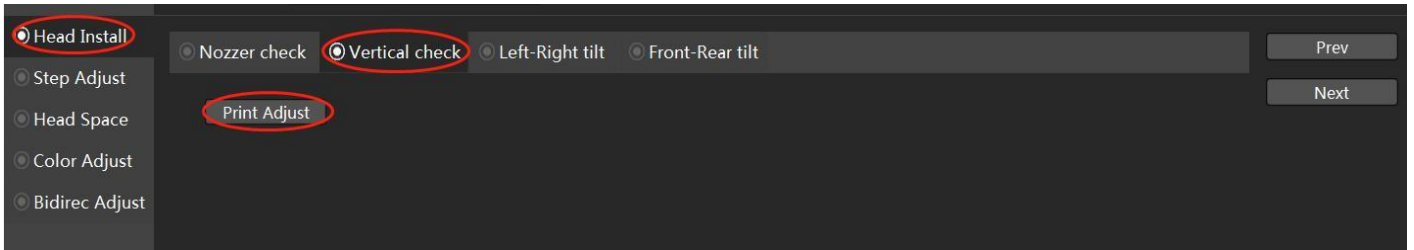
Test Strip with problem (ink not come out 100%, and all color not show in single line)



Normal Test Strip (all ink come out 100% and all color show in single line)

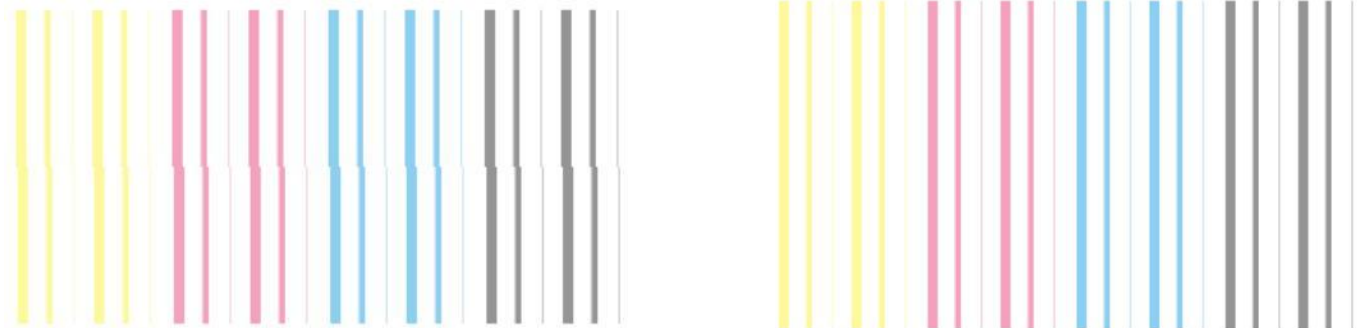
11. Alignment & Calibration

11.1 Vertical Alignment Of the Print Head



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.

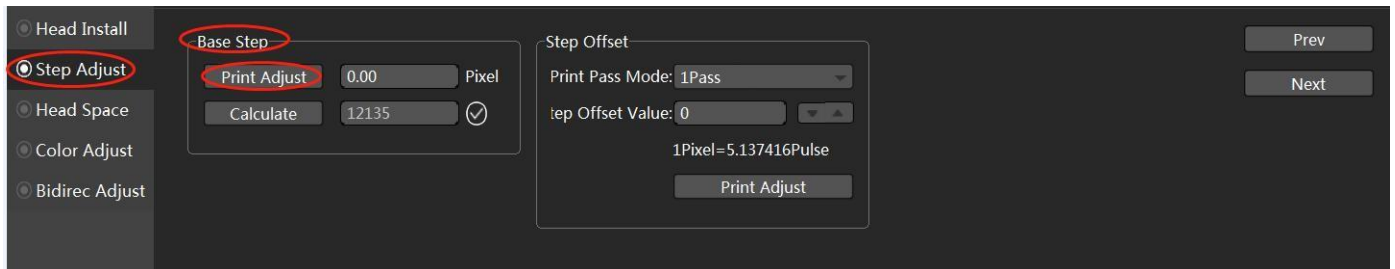
If there is a deviation, loosen the fixing screw of the print head and adjust the position of the print head. You can "push the print head up to the left". Then Print Adjust again, reach to form a line.



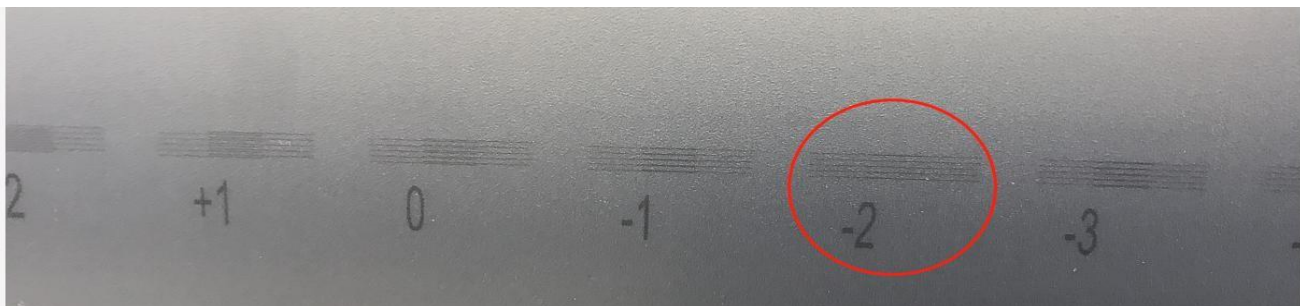
Enter the software option " Adjust" interface and align the print head vertically "Print Adjust".

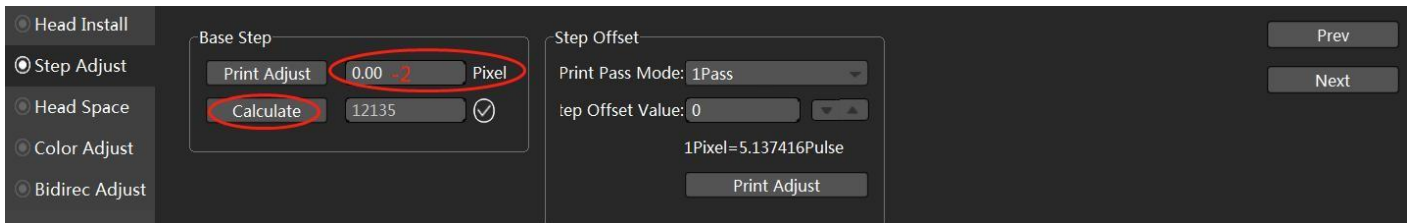
11.2 Step calibration

Step calibration, Print Adjust.

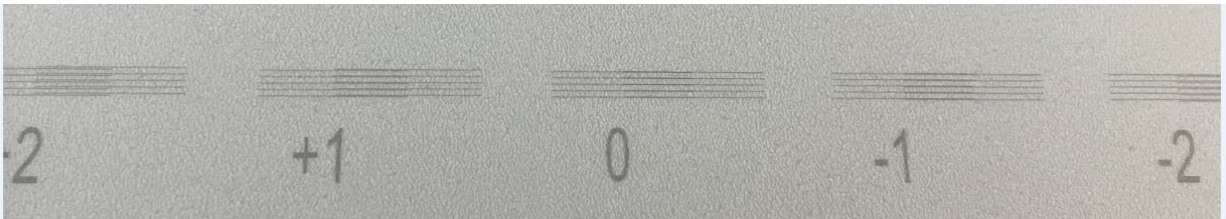


The calibration chart is at the value -2, and the lines completely overlap



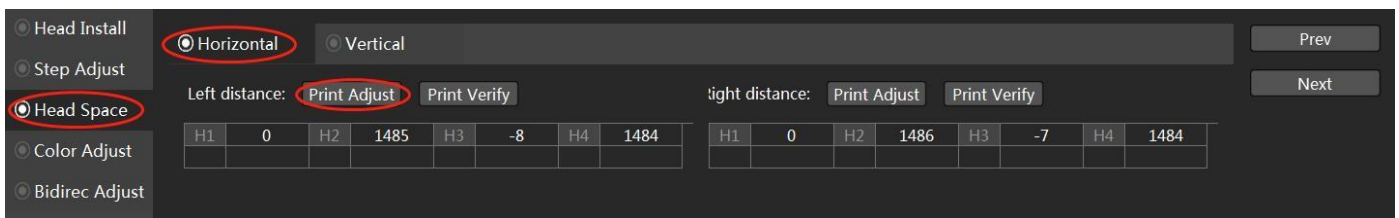


So enter the value -2 in the corresponding input box, and then click Calculate. Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.

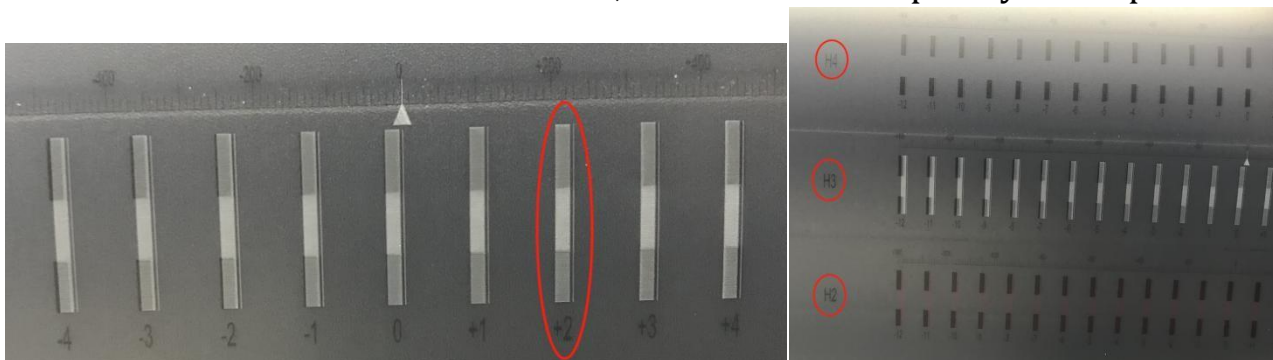


11.3 Calibration of nozzle horizontal space

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



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

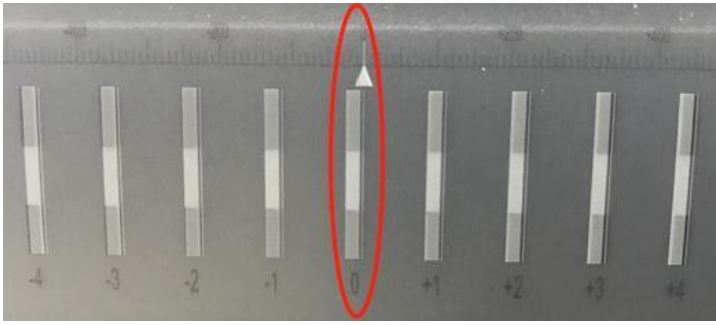


In the corresponding print head, increase or decrease the corresponding value in the input box of the corresponding printing direction.



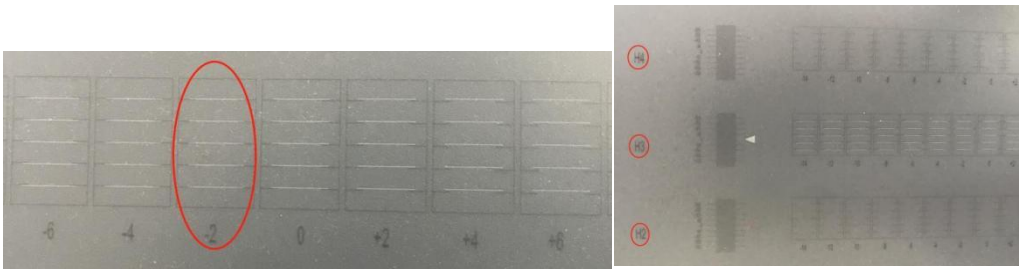
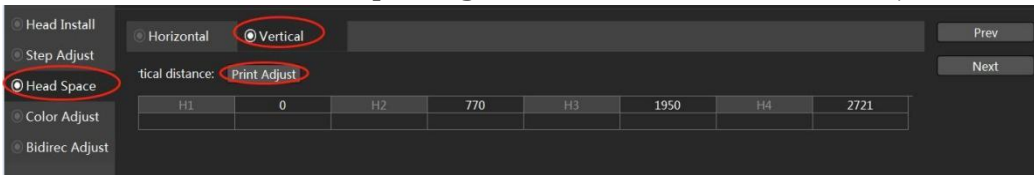
Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.

Then calibrate the direction to the right, the steps are the same as above.



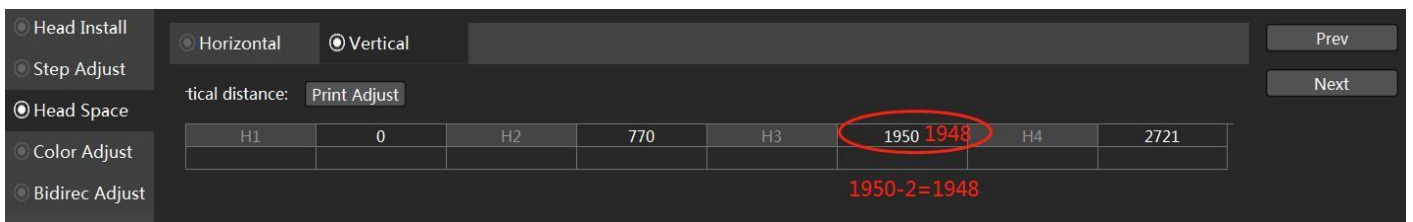
11.4 Nozzle vertical space calibration

Calibration of vertical spacing between nozzles. Print Adjust.

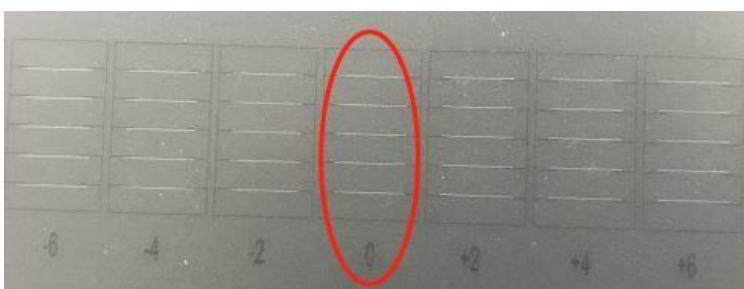


The calibration chart is at the value -2, and the lines completely overlap.

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

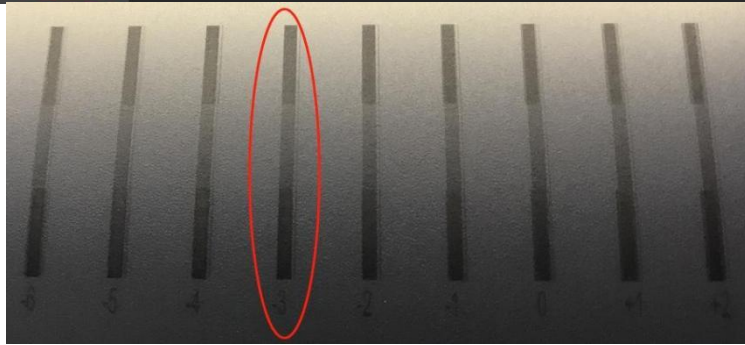
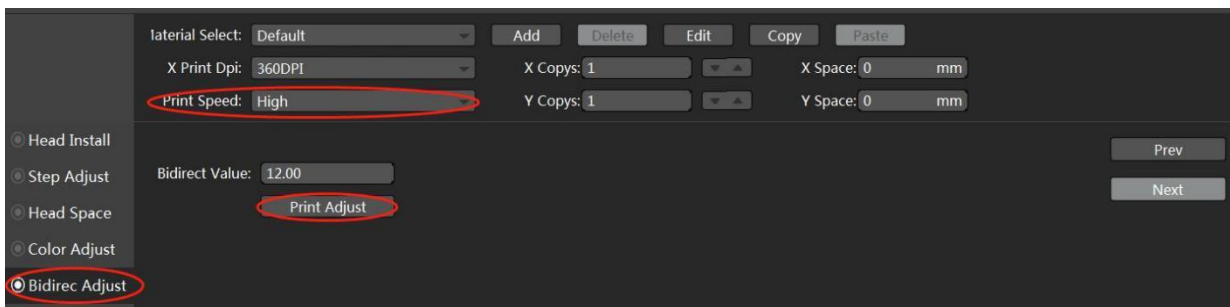


Print Adjust again and confirm that the line at the value 0 is the most uniform. Need to click the "Save" button in the upper right corner.



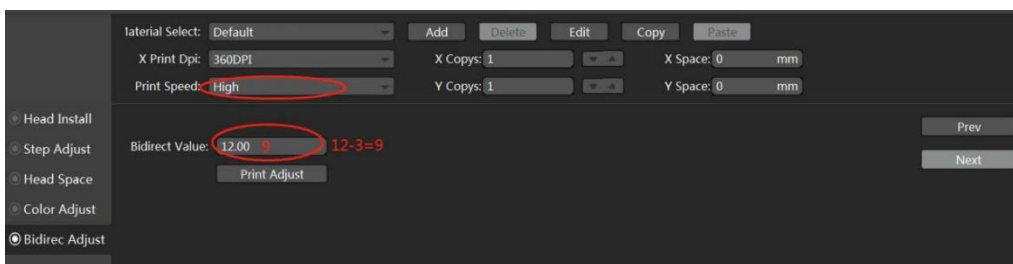
11.5 Bidirectional printing calibration

Finally, perform bidirectional printing calibration, Print Adjust.



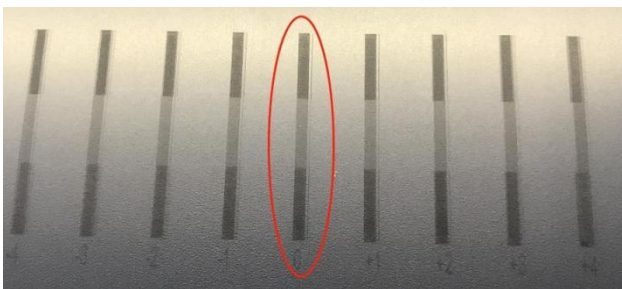
The calibration chart is at the value -3, and the lines completely overlap.

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 to calibrate the two-way printing values and save them separately.

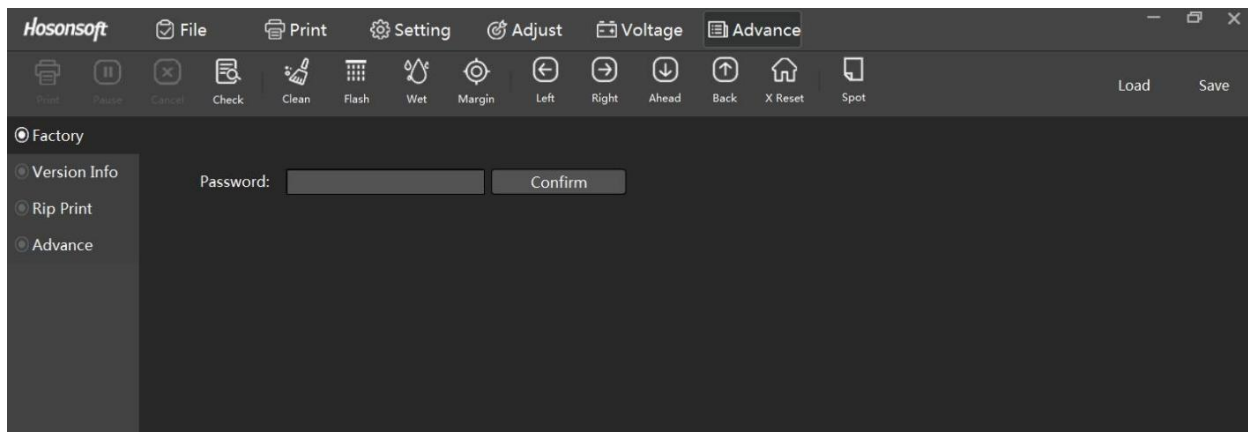


Background factory settings

Password:

Generally model:111111

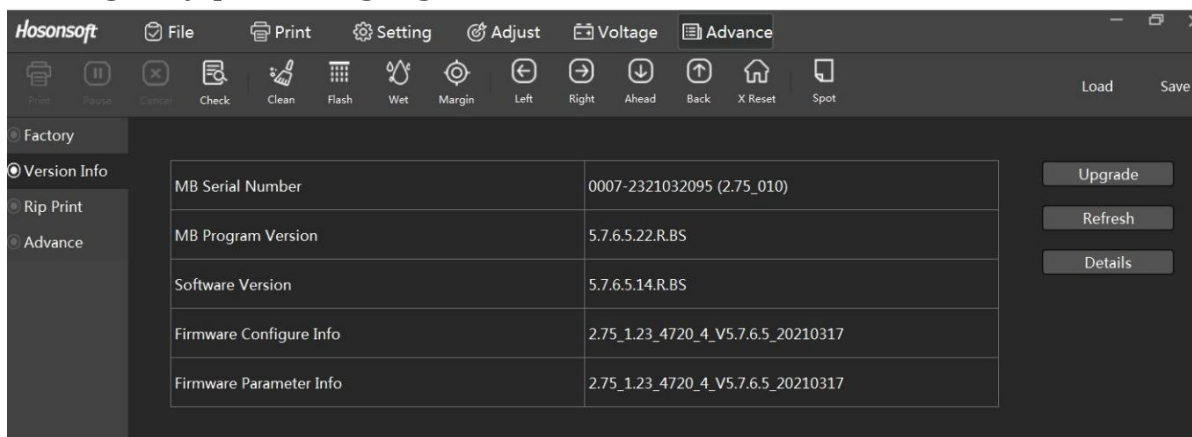
Factory model: Ctrl+F12 into factory model,then enter password:222222



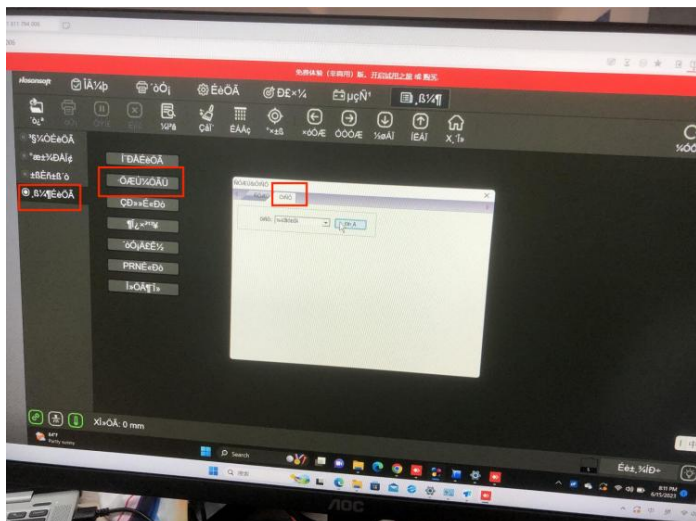
Version information

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

Change key panel language



Select advance-encryption-language.as shown below



12. Precautions & Maintenance

Precautions for printing equipment

In order to ensure the good operation and extend the lifespan of the printer, it is essential to ensure that the printer is operated in an environment that strictly conforms to the standards. The following requirements are needed for the machine environment:

- (1) The printing room's temperature must be between 20°C - 35°C (68°F - 95°F), humidity ranges from 35% to 70%RH
- (2) The machine must be equipped with a voltage regulator or UPS (voltage fluctuation range should not exceed $\pm 5V$), which should be connected to the earth wire.

Maintenance of The Printer(According to our maintenance manual)

- (1) Check the status of the print head when starting up and shutting down the machine.
- (2) Close the software before shutting down and check whether the carriage is reset well.
- (3) Follow the maintenance manual we sent to perform daily maintenance on the printer.
- (4) Keep a distance of 10cm between the printer and the powder shaker.
- (5) Do not touch the heated printer platform.

Regarding holiday maintenance for the printer:

I believe that friends who use printers will be concerned about how to maintain the machine during holidays and ensure that the equipment can function properly after the holidays.

Check whether the print head is normal, print the nozzle test strip, if there is ink missing(The ink came out that is not good, the nozzle test is not complete), it is need to Weak Clean first to ensure that the nozzle test is complete.

Check the print head to ensure it is in good condition, and then follow these steps:

Method Without Moisturizer: (Simple operation, but there is a certain risk of print head clogging if the machine is not used for a long time)

- (1) The print head should be soaked in pure water, if you do not know how to soak, please contact us for the video.
- (2) The print head must be sealed and moisturized.It means that the print head must be aligned and closed with the ink pad to seal and moisturize the print head. Otherwise, the print head will be clogged.
- (3) Use ink tube clips to clamp all ink tubes.
- (4) Tighten all ink cartridge cover.
- (5) Clean up the waste ink.
- (6) Seal the hot melt powder and printing film to prevent moisture.

(7) DO NOT let your printer and shaker with dust, please take good measures to prevent dust from the machine.

Method With Moisturizer: (Complicated operation, but it can reduce the risk of print head clogging if the machine is not used for a long time)

(1) Pour the remaining ink into a clean and empty cartridge to prevent ink precipitation.

Advice: It is best to use up the ink in the ink tank on the printer in advance..

(2) Clean the ink tubes and dampers. Firstly, take out the damper, use a syringe to draw out the ink in the dampers and ink tubes, then rinse the ink cartridges and ink tubes with pure water/distilled water. (And we will send the video to you, for showing how to clean, just watch the front part)!!

(3) Use a syringe with small hose to flush the print head with pure water. Make sure there is no ink inside the print head. Then use a syringe with sleeve hose to slowly inject the moisturizer into each channel of the print head. The force should not be too strong. (During the operation, place tissue or dust-free cloth on both sides of the print head to prevent liquid from flowing into contact with the head and cables, because it will burn the heads)

(4) Tighten all ink cartridge cover.

(5) Clean up the waste ink.

(6) Seal the hot melt powder and printing film to prevent moisture.

(8) DO NOT let your printer and shaker with dust, please take good measures to prevent dust from the machine.

Reminder:

If the machine encounters any malfunctions, please contact a technician for assistance with repairs. Incorrect operation may cause significant damage to the printer.