AJ-3202i

Armyjet Manual for new printer installation

Warning

This manual is only suitable for Armyjet printers. If you install other non-Armyjet printers and face problems, Armyjet will not take responsibility. Armyjet owns the full copyright of this manual.

Armyjet will update its printers each year. So there may have some differences from the real printers.

1 Notes about installation

1.1 Installation environment

• Be sure that there is enough space

• Good environment: Temperature within 20-30℃, moisture within 40-60％

• Far away from sunshine, strong light and fire

• No dust.

1.2 Cautions

• Armyjet Power cable can only be used on Armyjet printers. Original power cable is more stable.

• The printer should be connected to outlet with earth wires.

• Power should meet local requirements.

• Don’t use damaged wires

• Earth wire should be installed correctly.

1.3 Cautions in operation

• After power on, don’t touch head and head cable

• If you need to move printer or replace any parts like head or head cable, please power it off first.

• Clean or do maintenance on the printer, please power off the printer first.

• Never pour off waste ink into natural waters or something like it.

• Once you open the ink bottle, please use it as soon as possible. It’s bad for printing quality after you open the ink bottle for a long time and don’t use it.

• Don’t knock or shake the ink bottle, it will spill out ink.

• Keep the printer clean. Dust or liquid will cause electric leakage.

• Don’t use high pressure air rifle to clean the printer.

1.4 Personnel Security Guide

• Keep the ink out the reach of Children.

• Never drink ink. If you happen to swallow some ink, please see the doctor as soon as possible.

• If some ink spills out on your skin, please clean with lots of water and some soap immediately.

• If ink happens to enter your eyes, please clean it with clean water.

• Add or replace ink or something others related to ink, please wear glove, surgical mask, and protective eye shields.

Part list



Item	Part name	Quantity	Standard
①	Power cable	1	
②	USB cable	1	
③	Photoprint DX version	1	
④	Ink dampers	2	
⑤	Pedestal Screw M5X12	36	
	Printhead Screw M3x6	10	
⑥	Head cable	8	
⑦	USB flash disk	1	
⑧	Inductor	1	

2.Printer installation

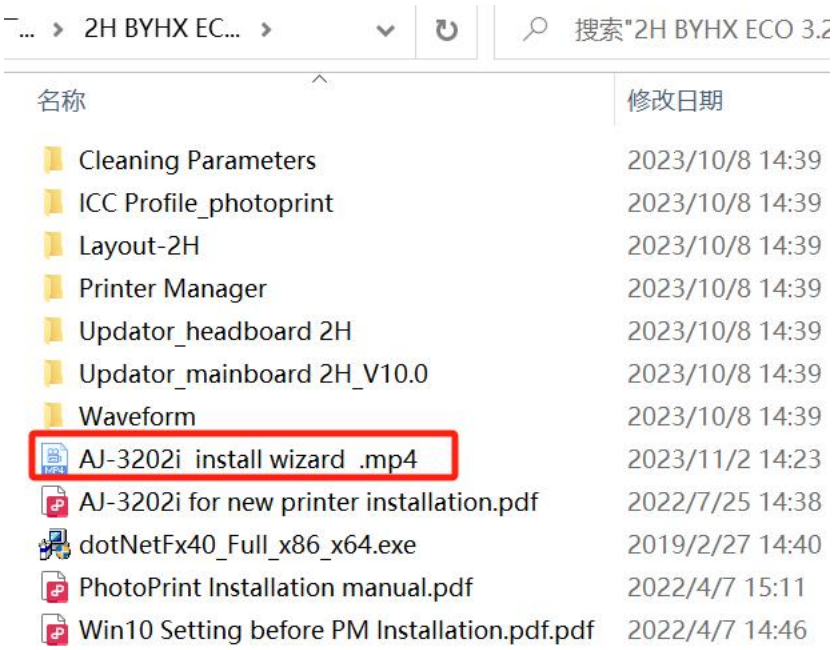


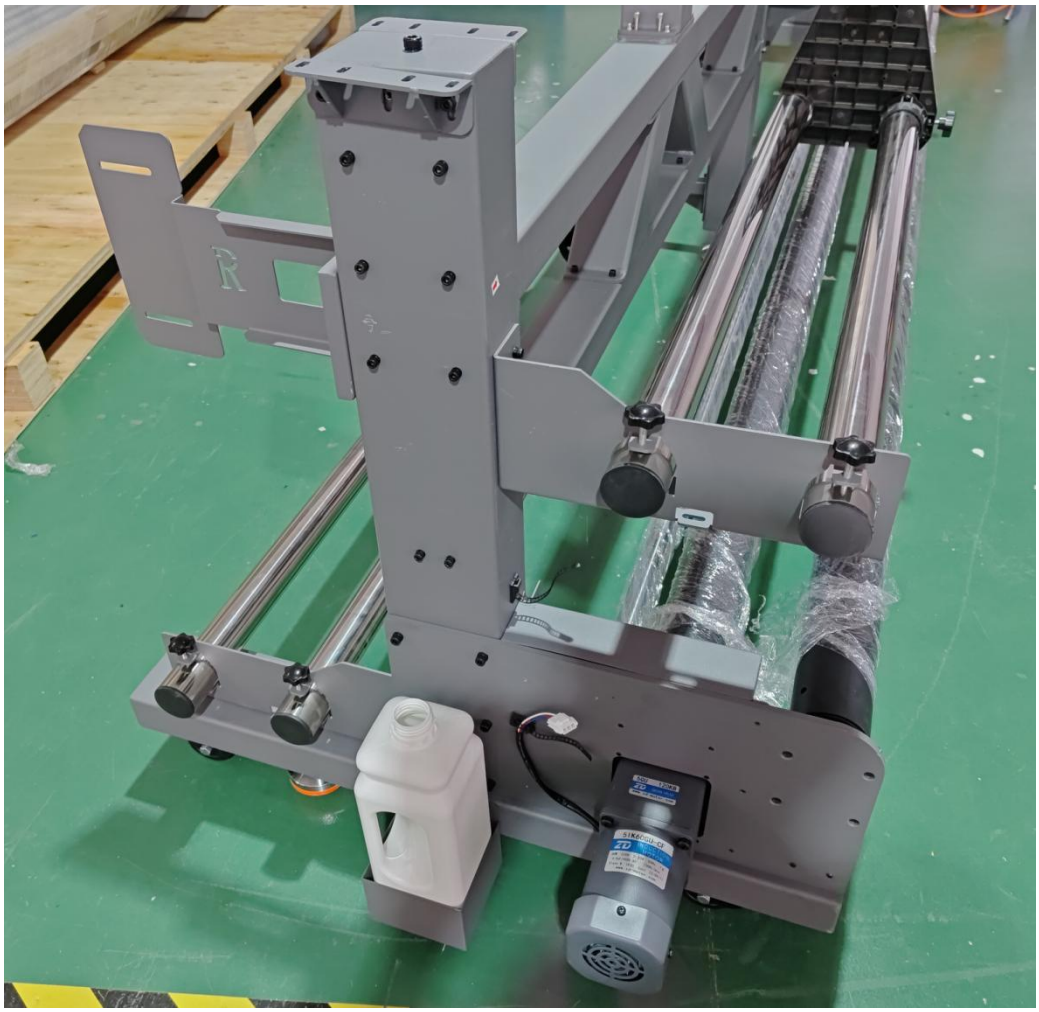
Front



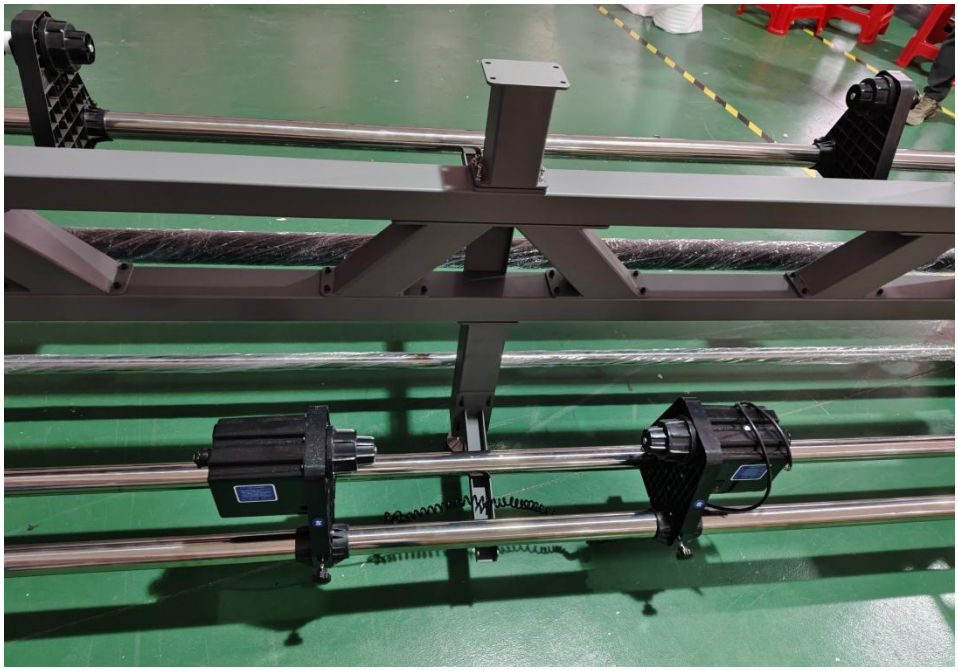
Back

(1)Pedestal Installation(AJ-3202i　install wizard　.mp4）



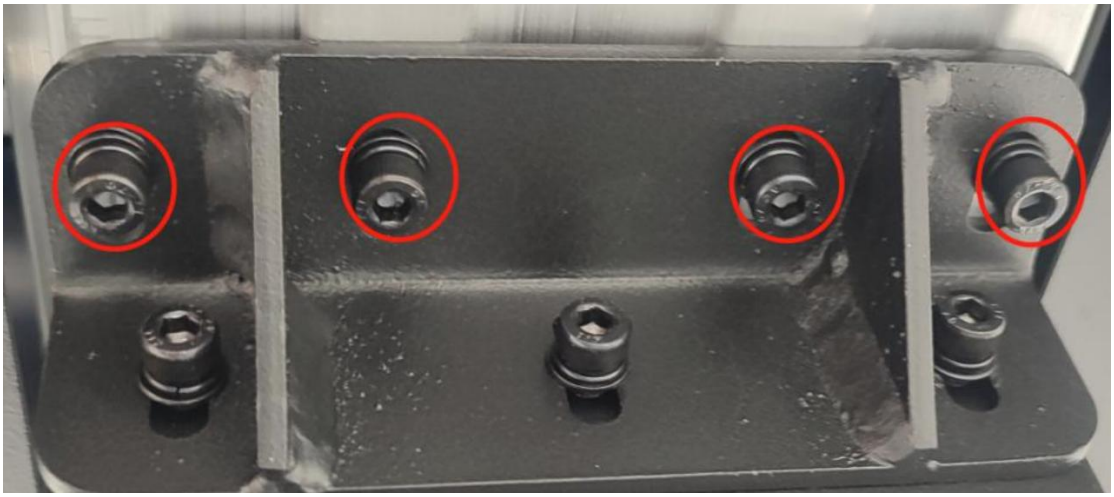








Put the printer body on the pedestal, pay attention the four screws we marked, using these screws(M5X12) to fasten the printer



(2)Ink supply system installation





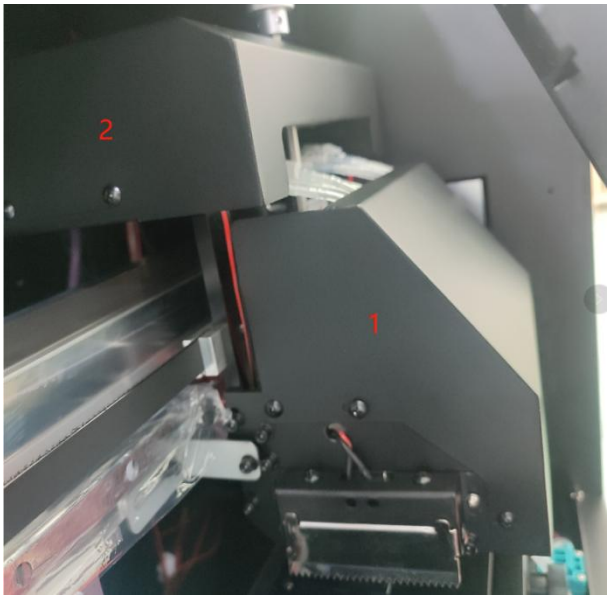
3. How to install printhead

(1) Before installing printhead

① After initialization, screen will show like below. And then test all functions from the panel and then power off the printer.

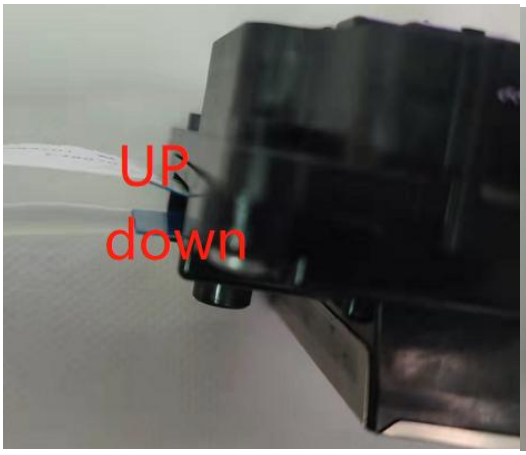


②Remove the carriage cover and head board cover

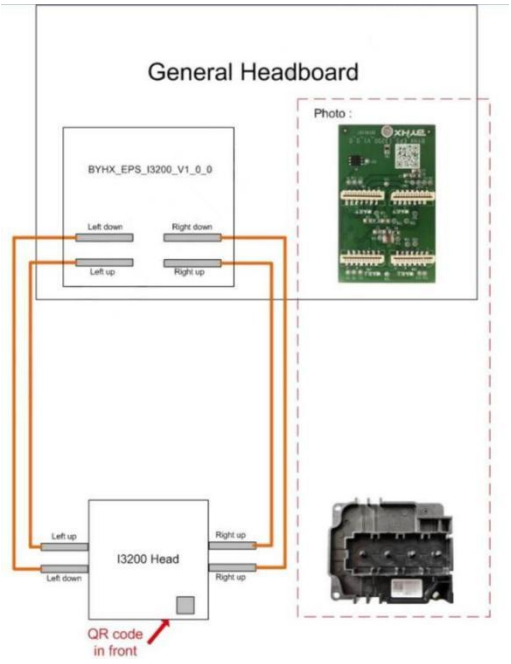


（2） Install Printhead

① Connect head cable like the image below.



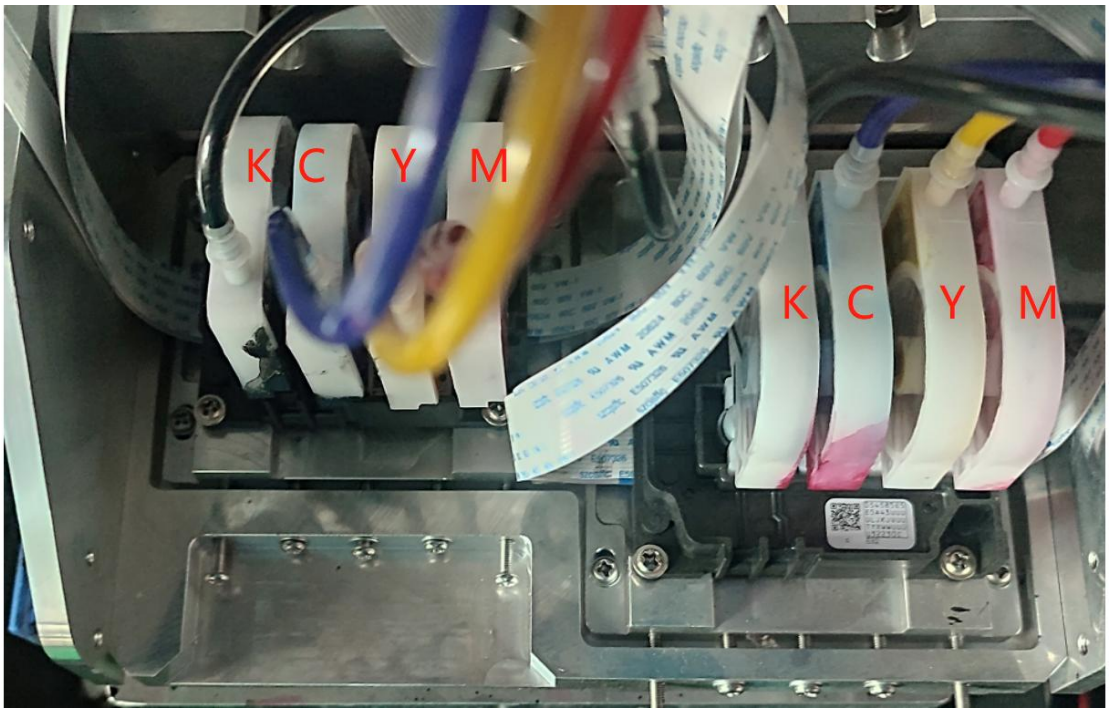




Connect head cable carefully, or it will burn your head or head board.

②.Install head on head plate like below.

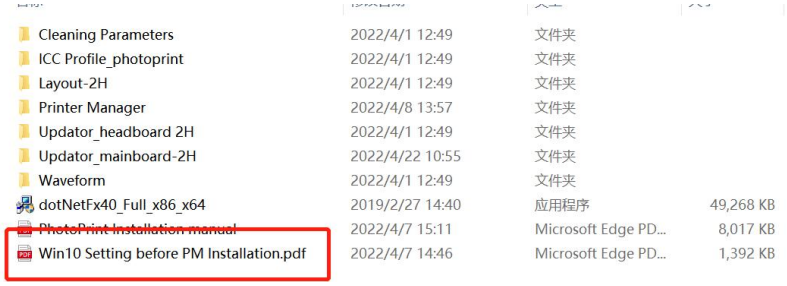
③.After power on, loading ink. Load ink from ink pump and press cancel. After cleaning, choose weak cleaning to make sure that all nozzles can print.



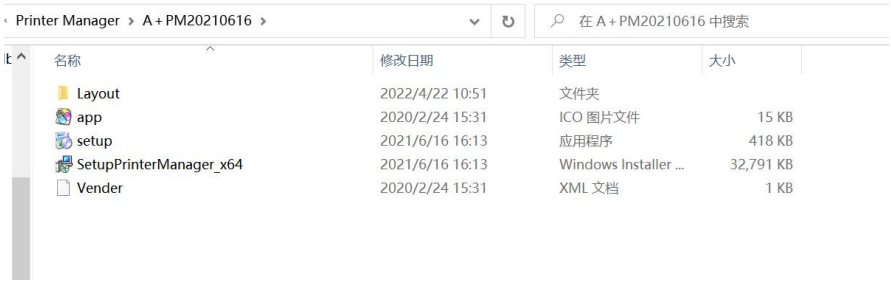
4. How to install printer manager

PM

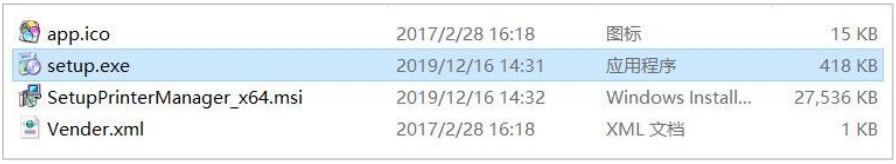
Note: Before you install Printer Manger, you need to ***forbid digital signature*** if you use Windows 10. Or you can’ t install printer manager. About how to forbid digital signature on your Windows 10, please read ***Win10 Setting before PM Installation.pdf***.



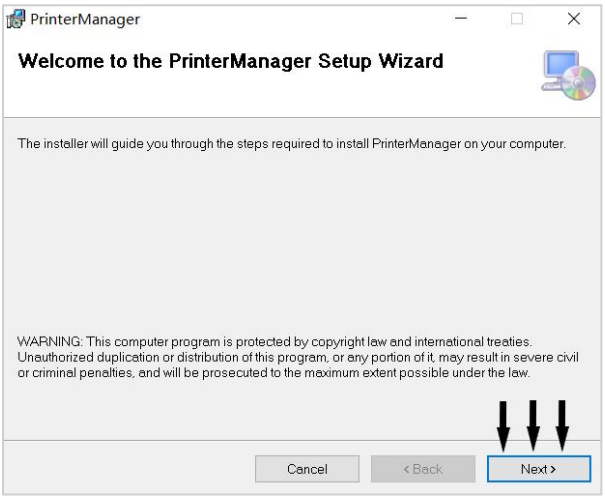
（1）Open ***A+PM20210616*** file where printer manager locates.



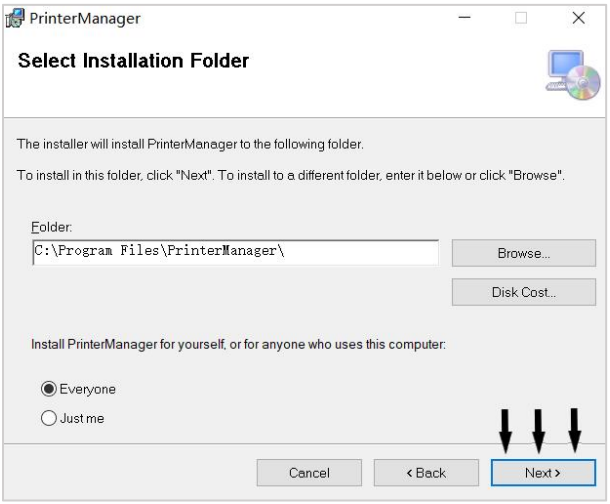
（2）Click ***setup.exe*** to install Printer Manager.



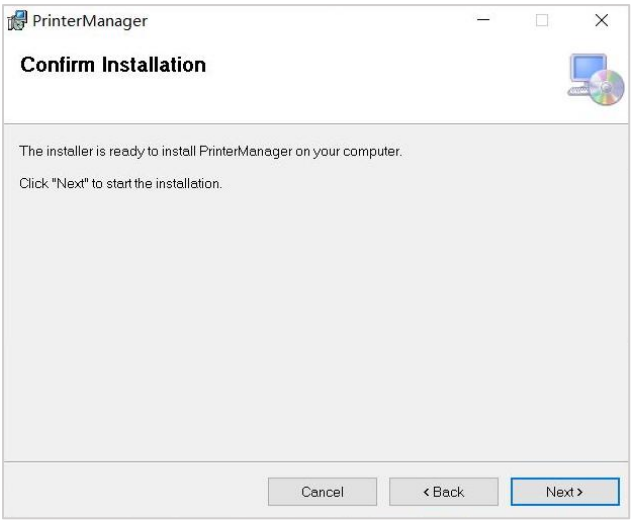
（3）When you see the following image, then click ***Next***.



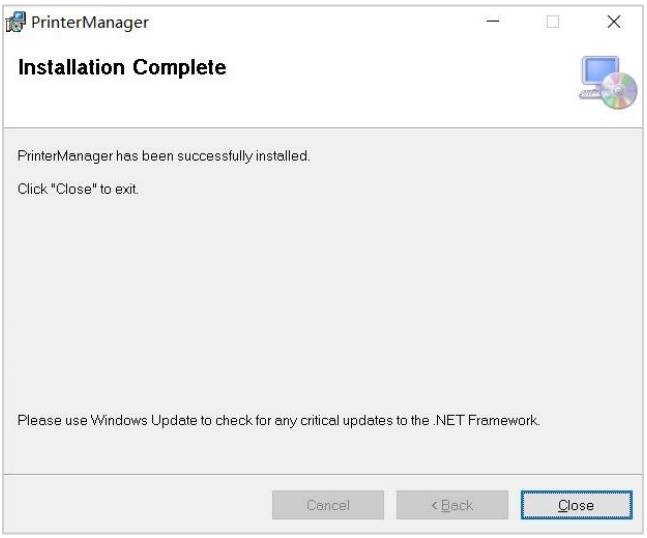
（4）When you the following, click ***Browse*** to choose where you want to install printer manager. And then click ***Next***.



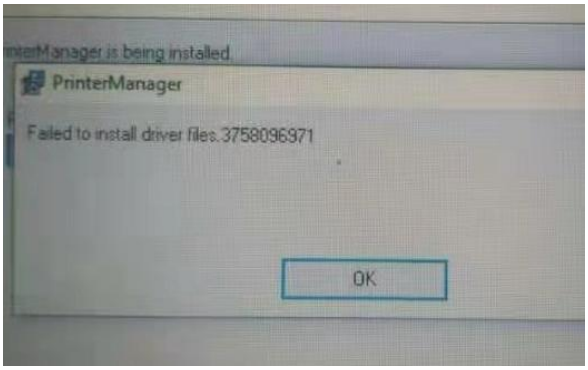
(5) When you see the following, click ***Next*** to continue.

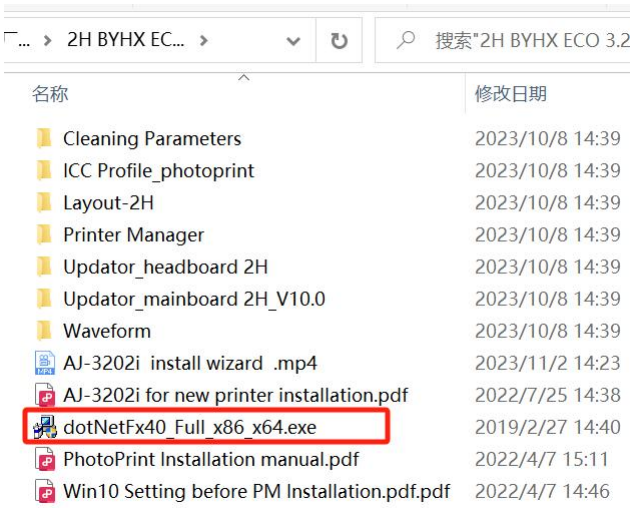


(6) After installation complete, click ***Close***.



During the installation, if you see the following, it means that you need to install computer environment ***dotNetFx40_Full_x86_x64***.



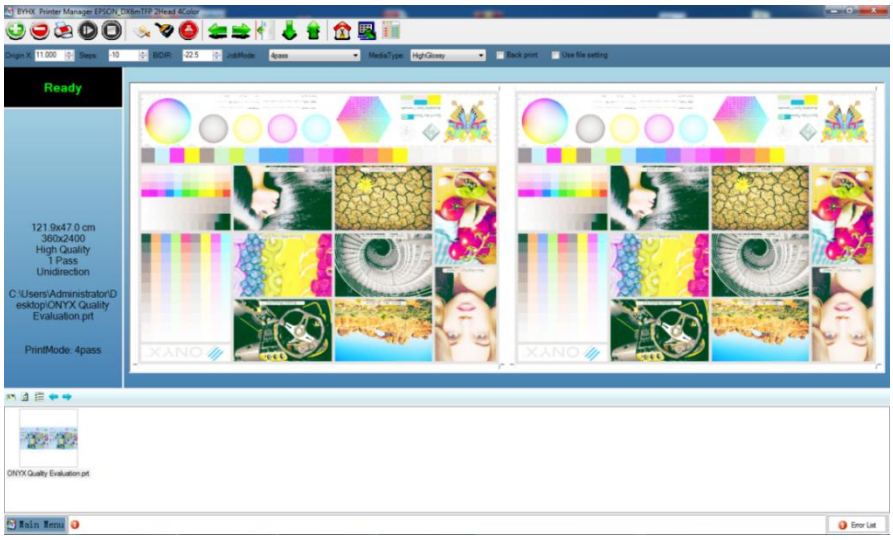


5. How to Use Printer Manager

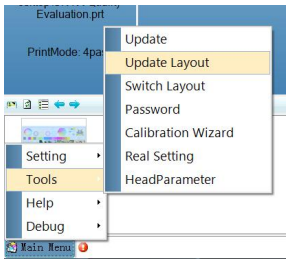
（1） Click the following icon

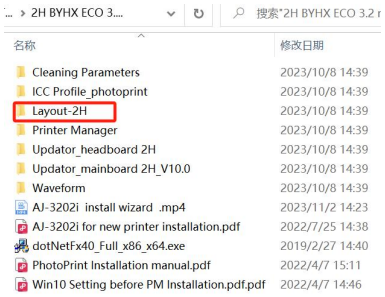


（2）After you enter main menu, then we need to set the printer.

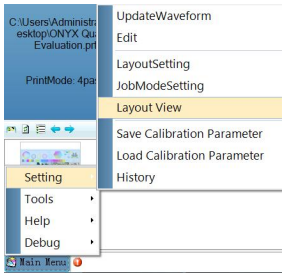


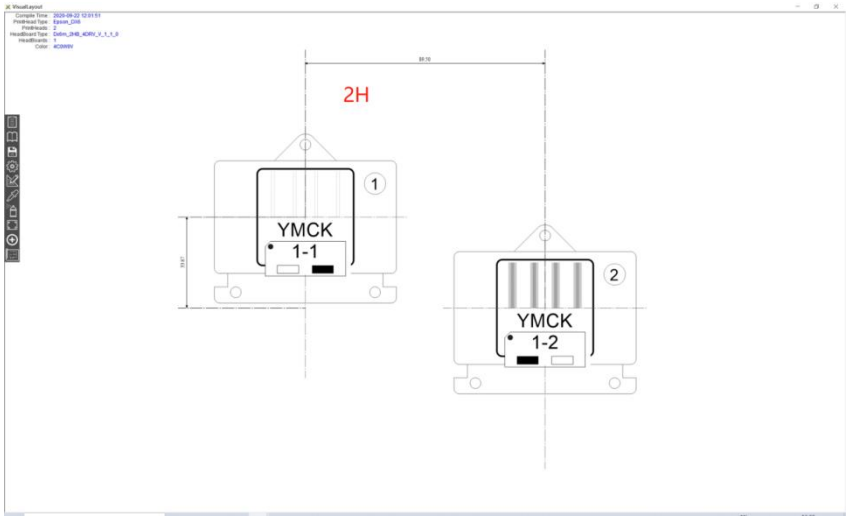
①Update head layout like the below. If your printer is single head, then choose Layout-1H. If It’ s double heads, then choose Layout-2H.



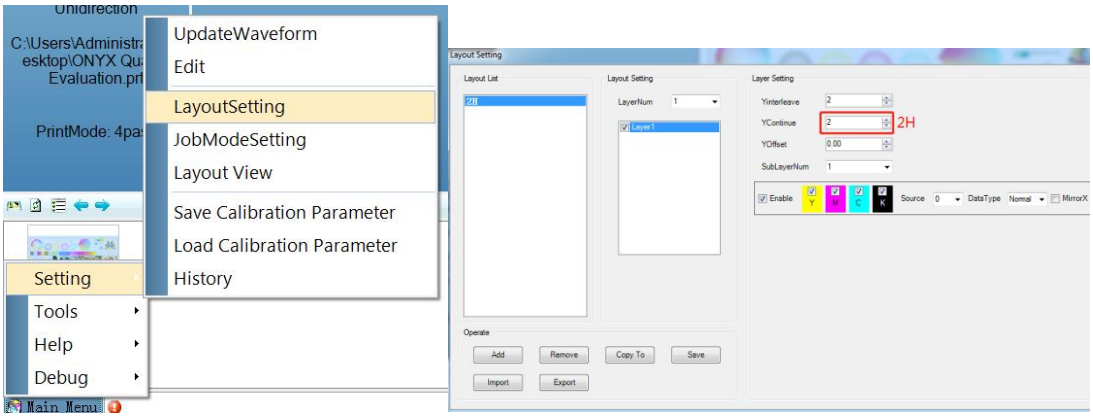


② After you update layout, please click layout view to check if you update the right one.

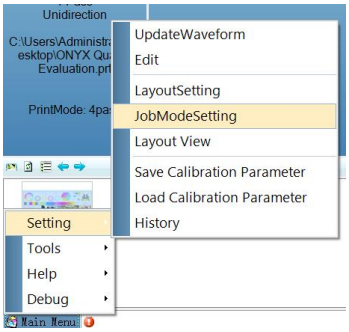


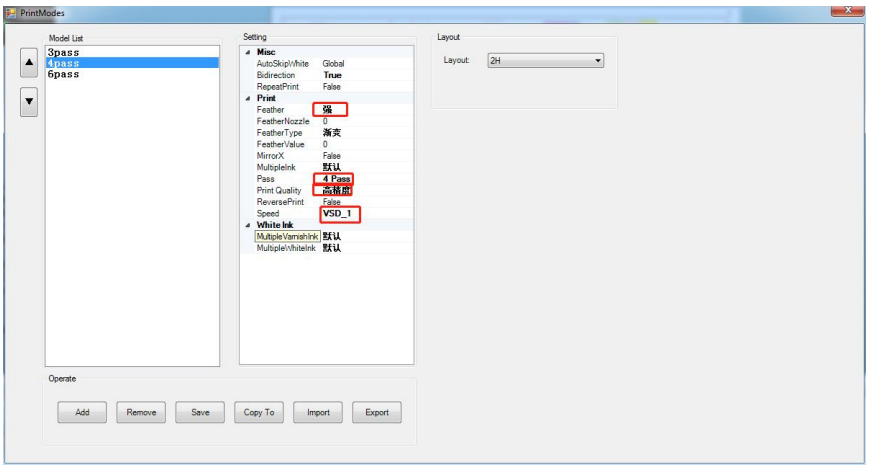


③ Layout setting



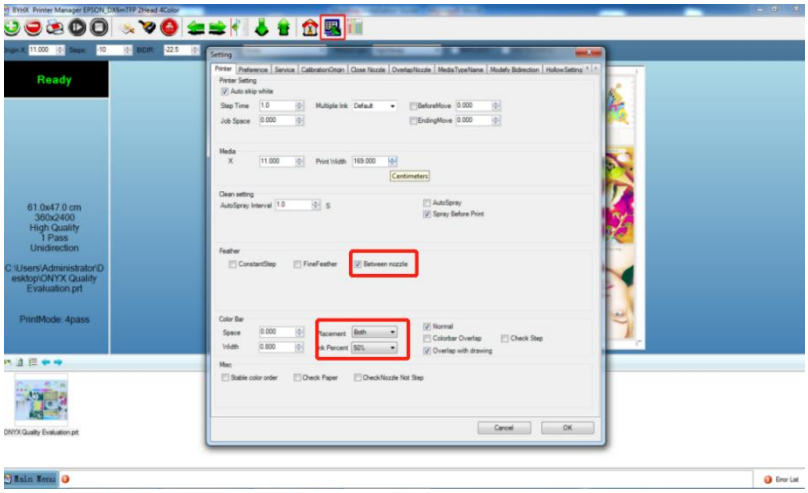
④ JobModeSetting



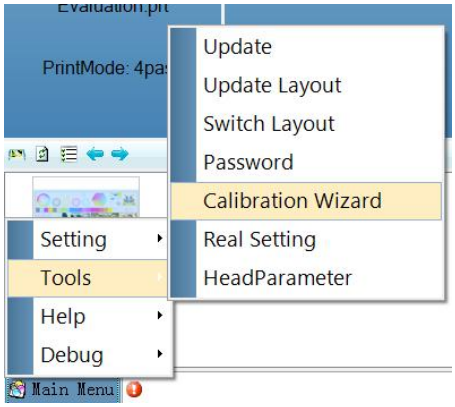


Recommend to use VSD1, strong feather, printer quality(High Precision)

⑤ Edit

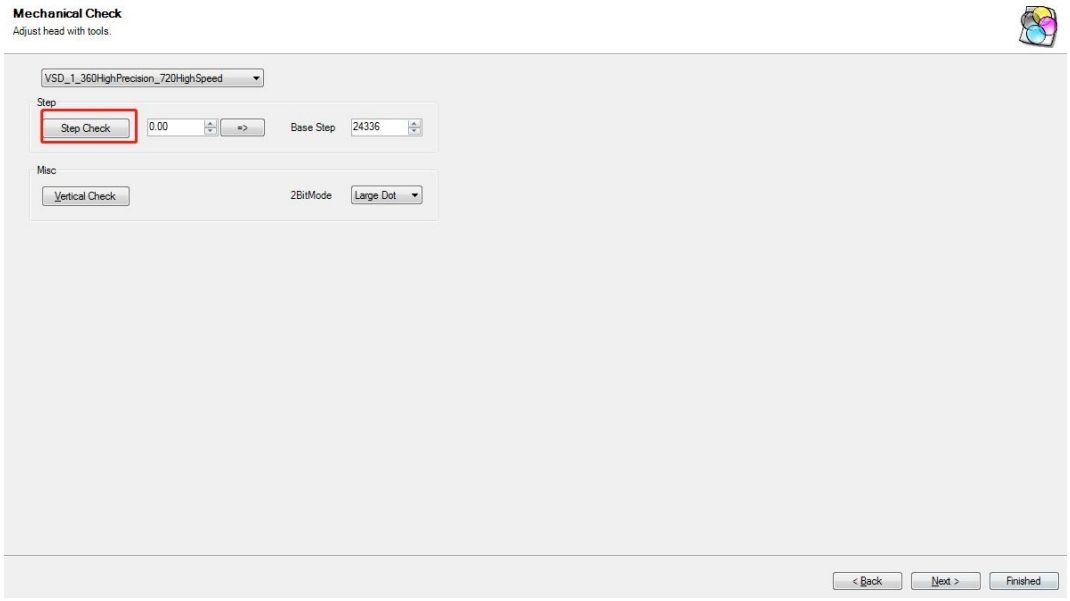


(2) How to do Calibration



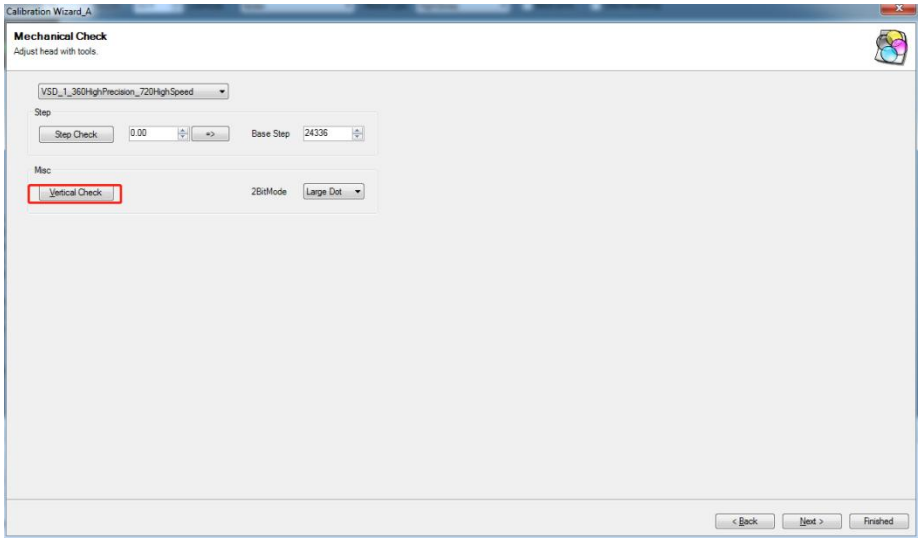
Calibration mode: Vsd 1 360 precision_720 high speed

① Step Check　Enter value according to the real Calibration image. After you click step check, the printer will print a calibration image.



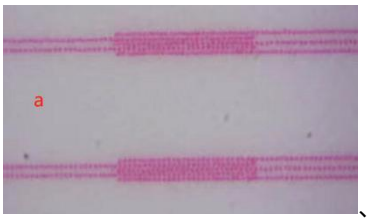


② Vertical check　Also vertical calibration, it’ s to adjust head angle so that printhead is aligned with the printing platform vertically. Usually, you need to adjust screws on the head plate.



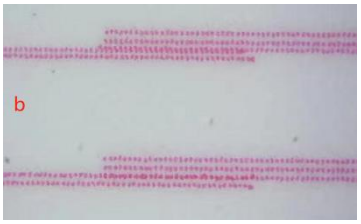


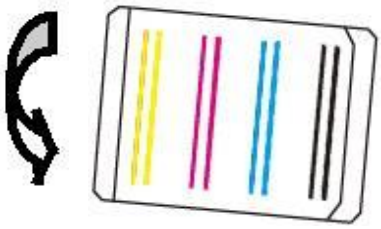
Recommend to use 80-100 magnifier to look at the right channel.





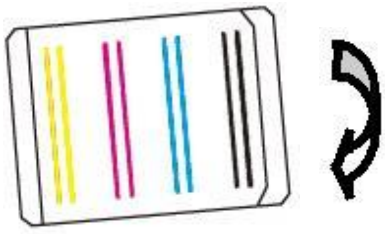
When it likes the above, then it means your vertical check is perfect.



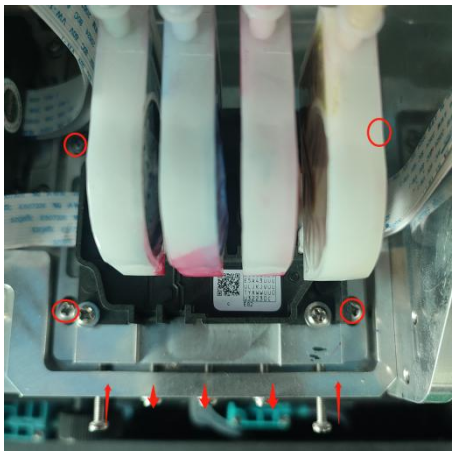


When condition **b** appears, it means that head lens to the right, then please adjust the screw as the arrow.

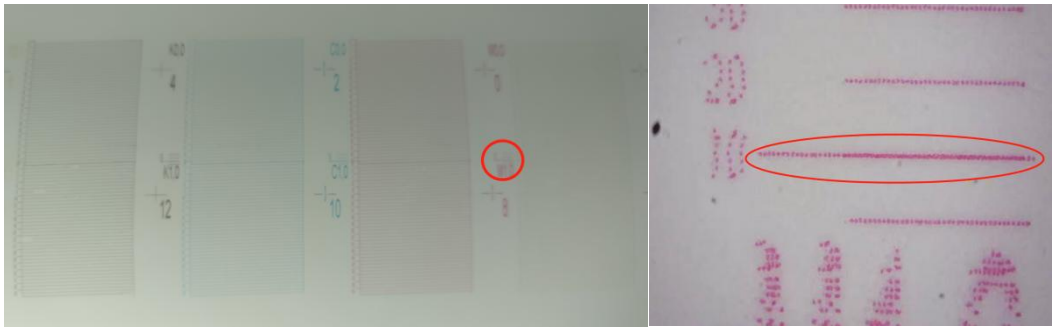




When condition **c** appears, it means that head lens to the left, then please adjust the screw as the arrow.



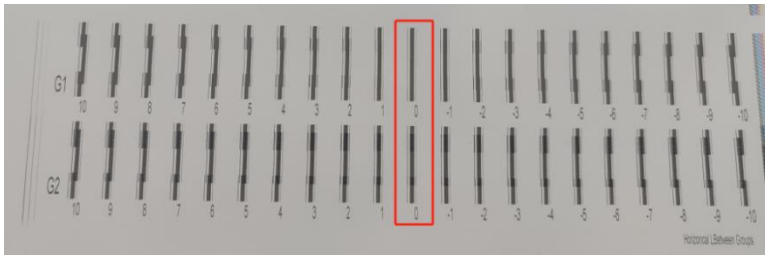
When you use printer manager to print nozzle check, adjust the second head so that the head gap is perfectly at 10.



③ Group gap left

Print calibration image and enter the proper value to offset, make sure “0” is aligned perfectly.

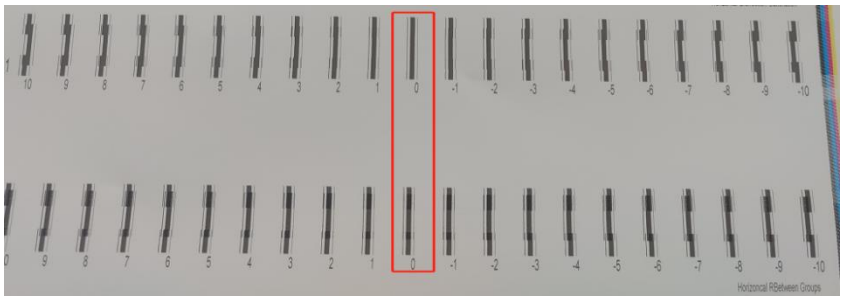




④ Group gap Right

Print calibration image and enter the proper value to offset, make sure “0” is aligned perfectly.

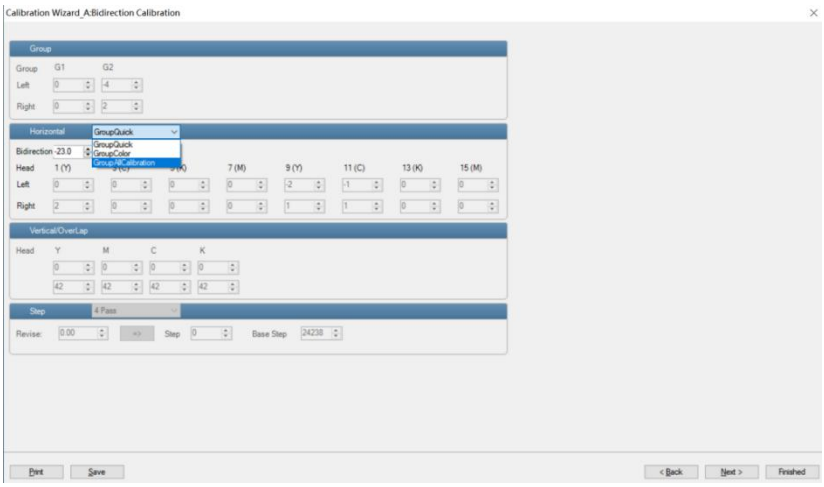


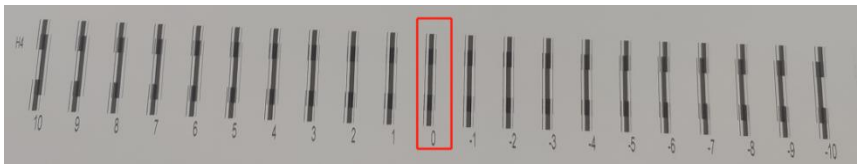


⑤ Horizontal calibration

（1）Bidirectional Calibration, Choose Group all Calibration

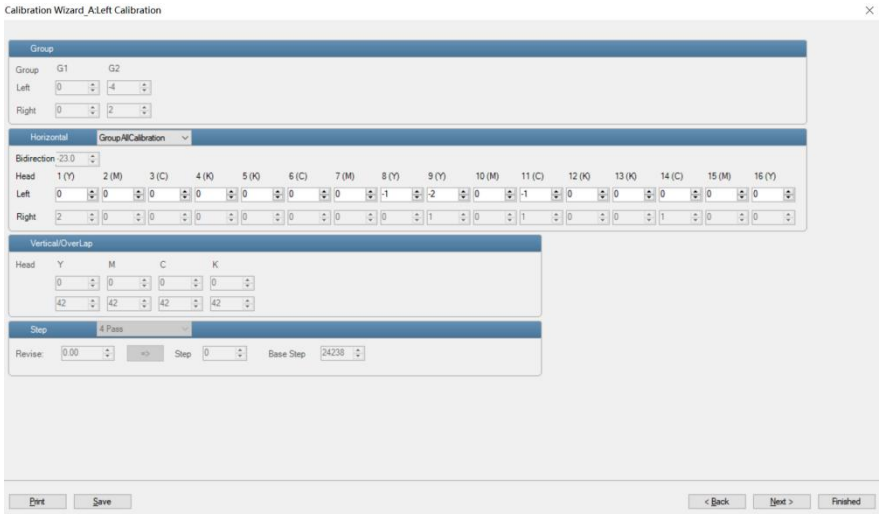
Print calibration image and enter the proper value to offset, make sure “0” is aligned perfectly.

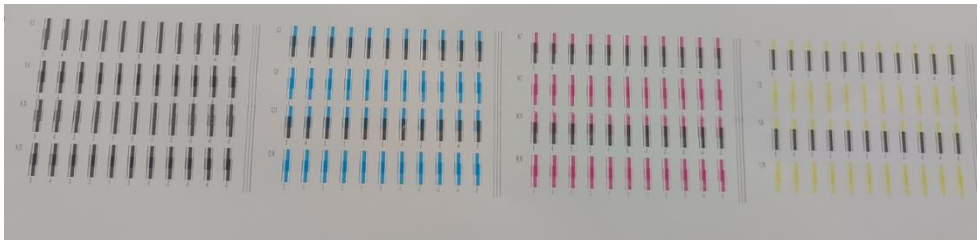




（2）Left alignment　　Right Alignment

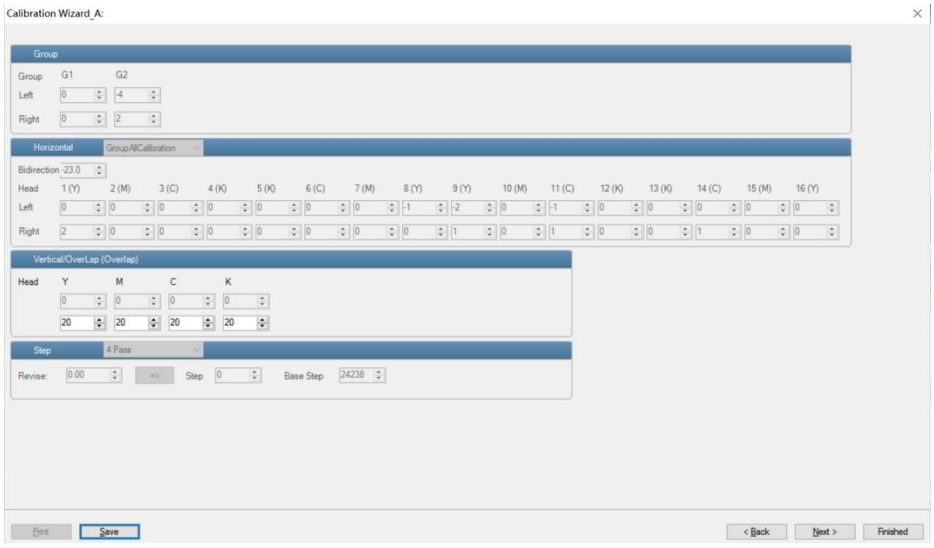
Print calibration image and enter the proper value to offset, make sure “0” is aligned perfectly.

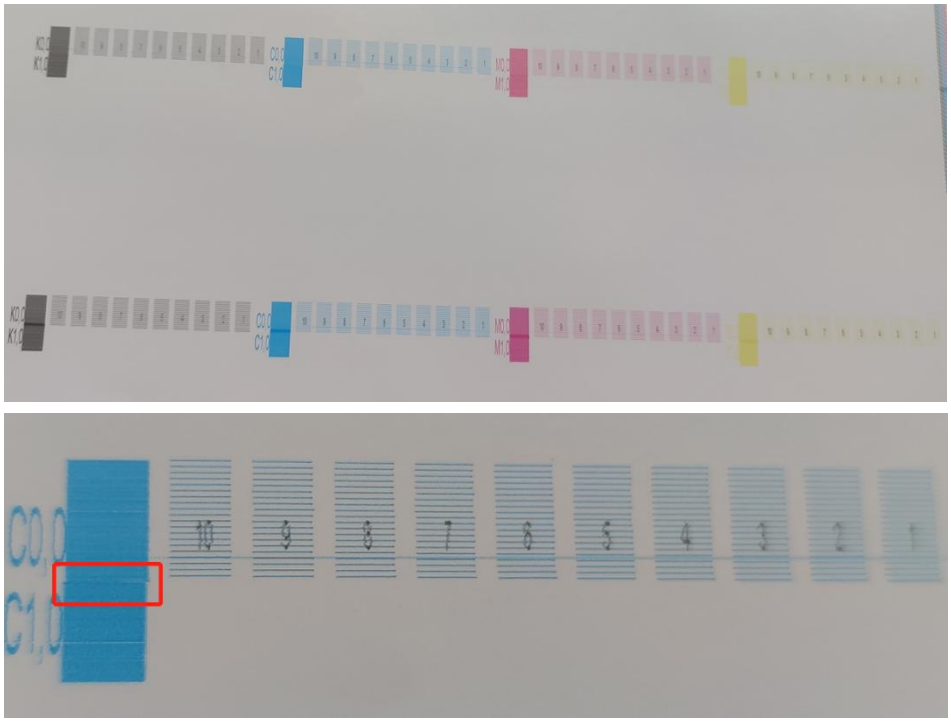




（6） Overlap

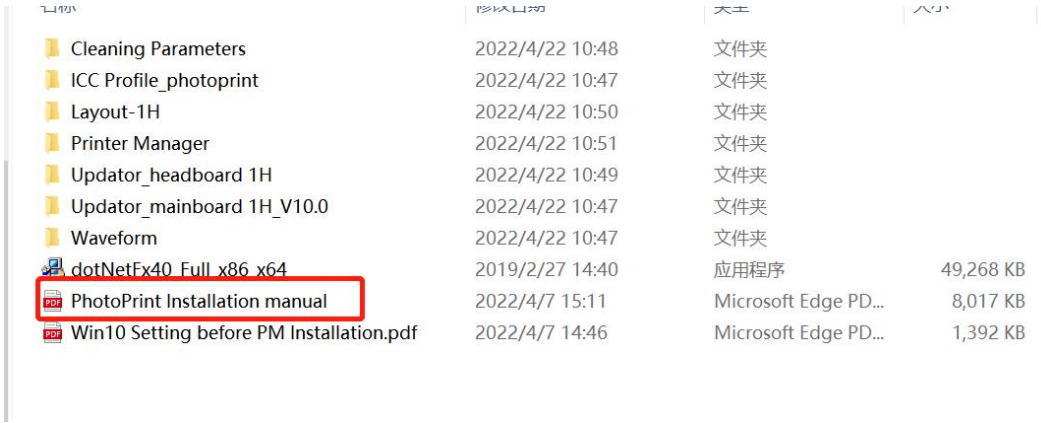
Enter 20, print calibration image. Adjust values according to calibration image. Make sure that two heads are matched perfectly.





6.How to Install Photoprint

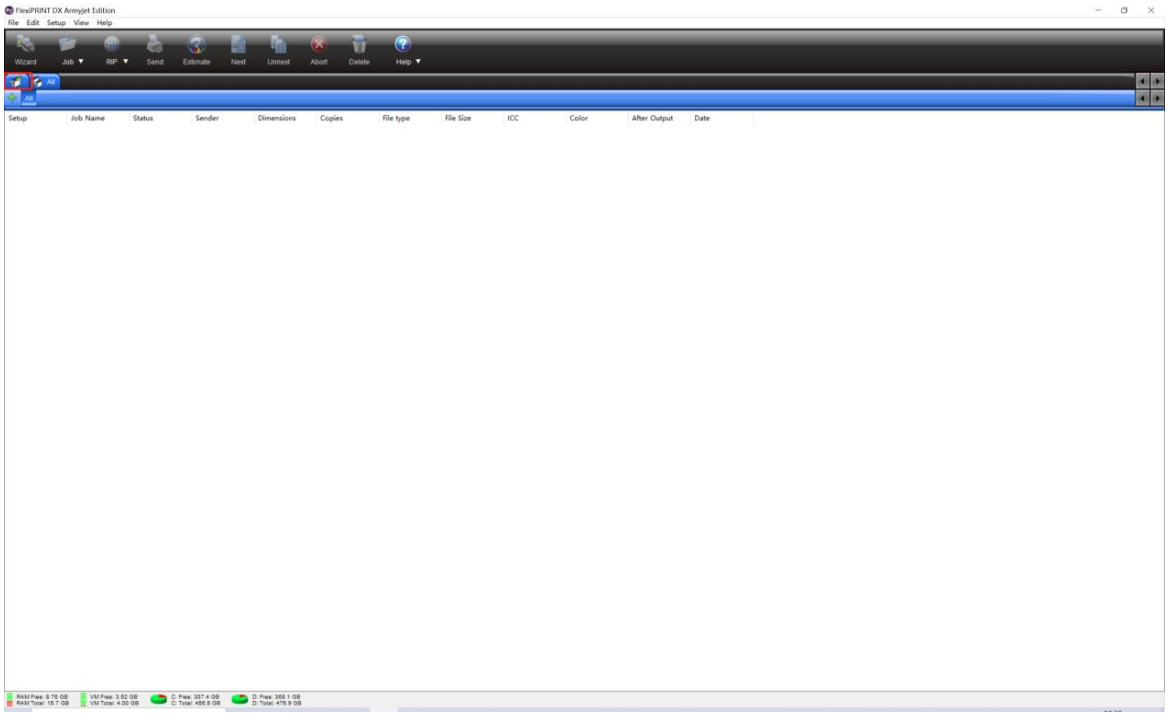
"PhotoPrint Installation manual" About how to install in details, please take a look at PhotoPrint Installation manual.

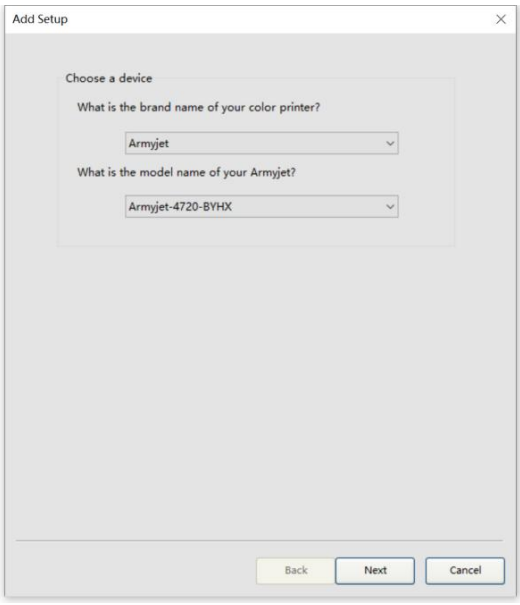


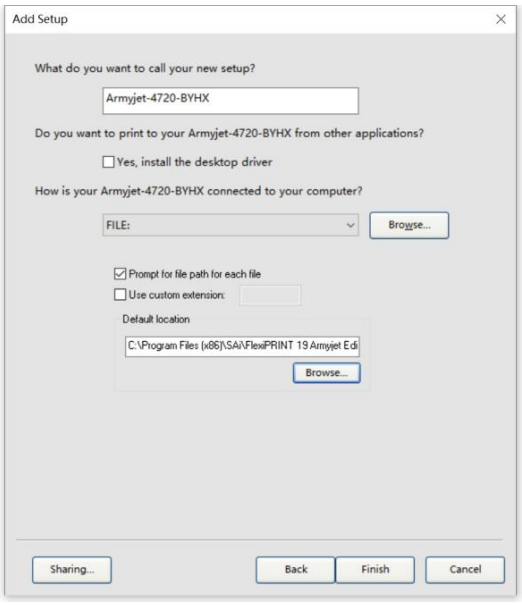
(1) Click this Icon to open photoprint software.



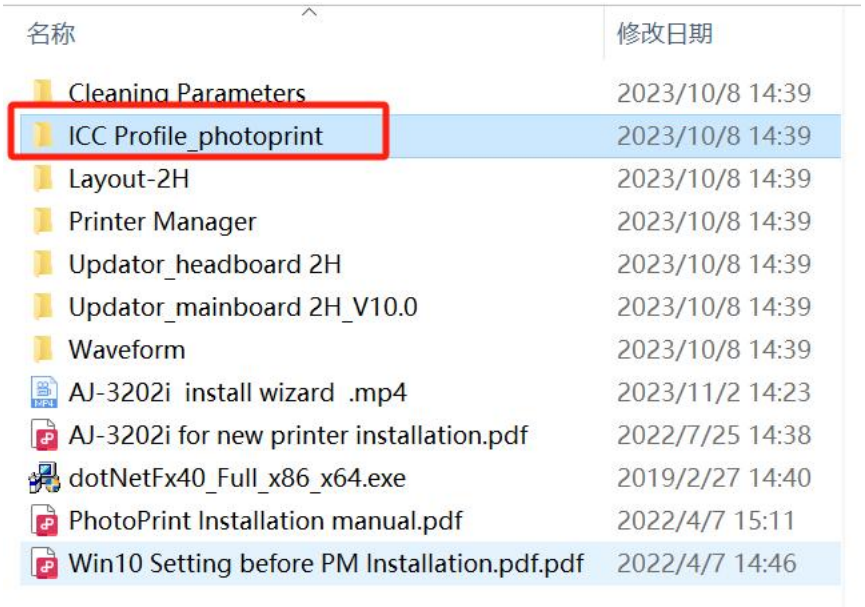
(2) Add printer. Do as below.







(3) Open the ***ICC Profile_photoprint***

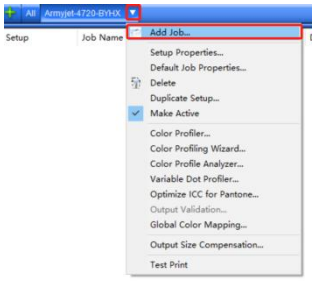


（4） Copy all the files as below.

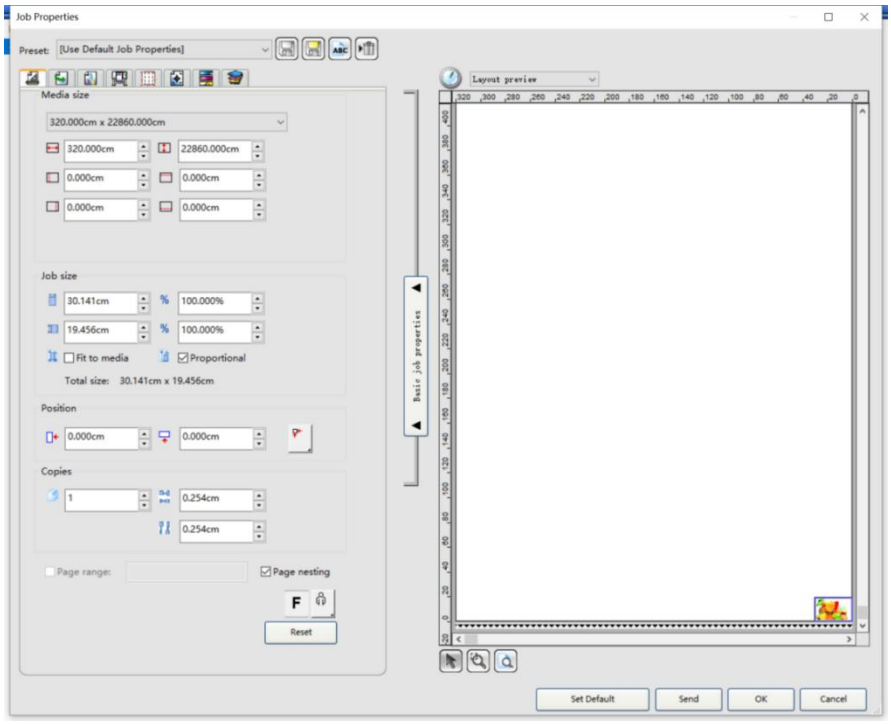
（5） Open the file where you install photoprint and find ICC profile→BYHX-4720, and the paste them here.



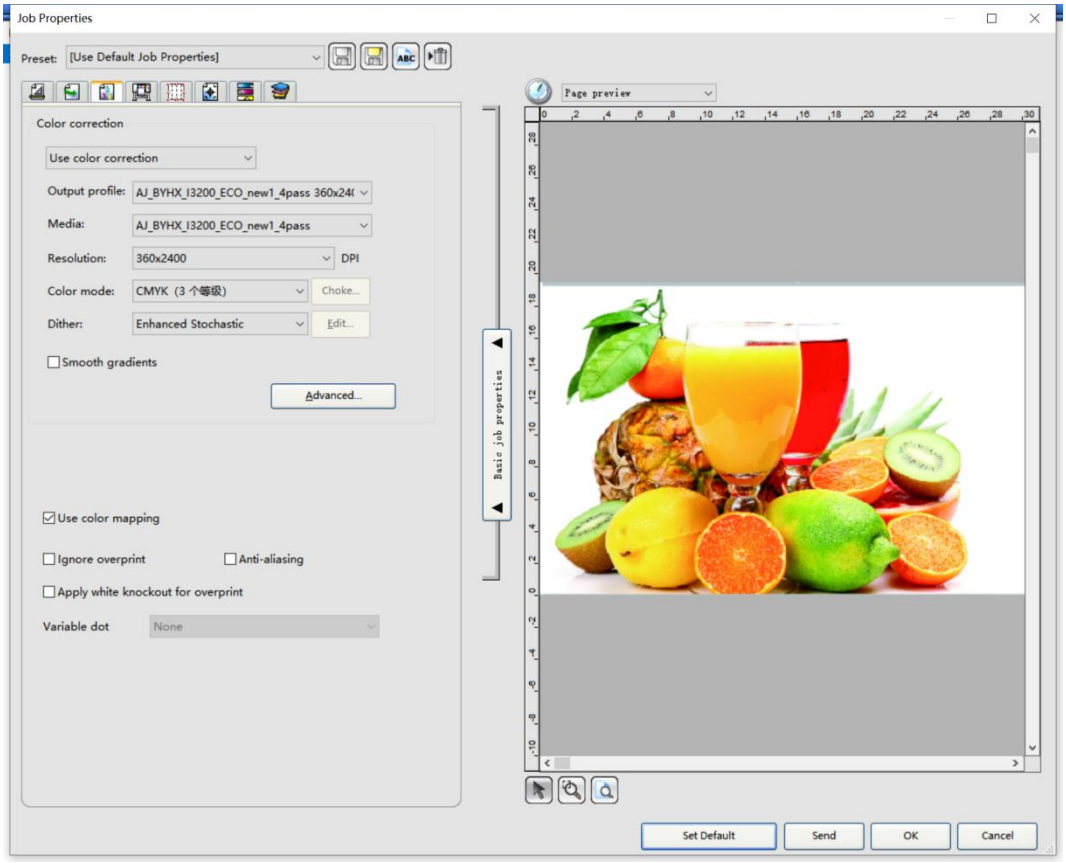
（6） Add Job



Edit the image

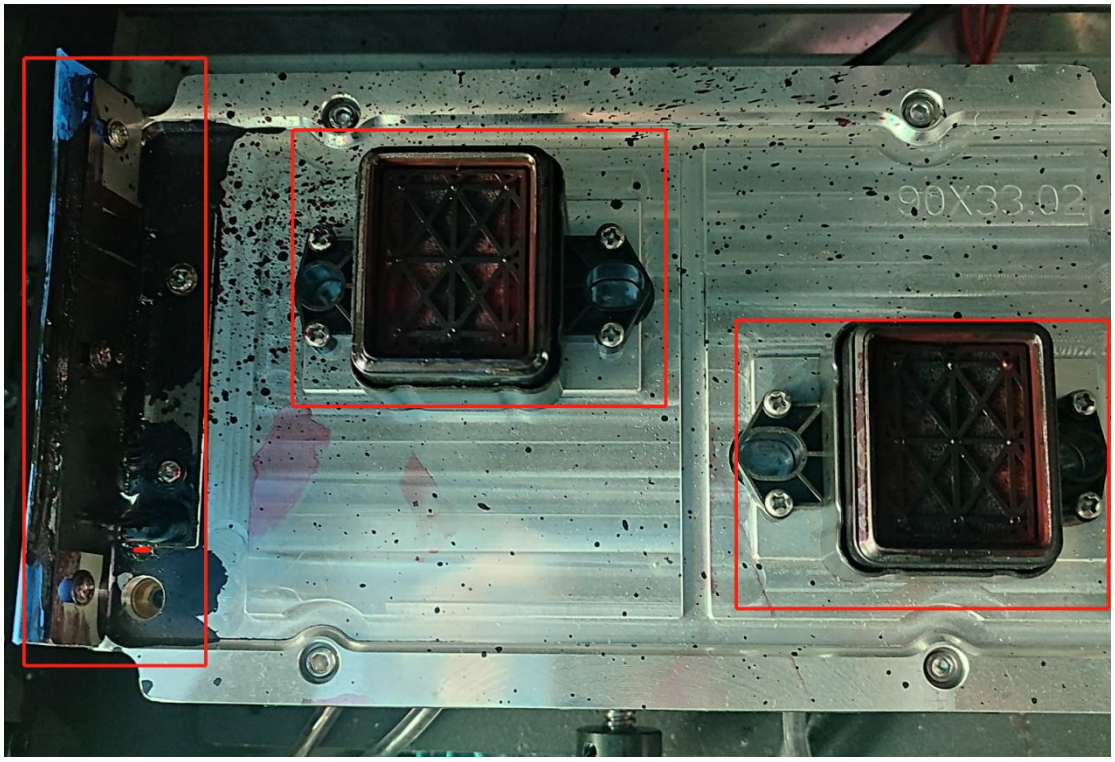


Choose output profile and then click Send.

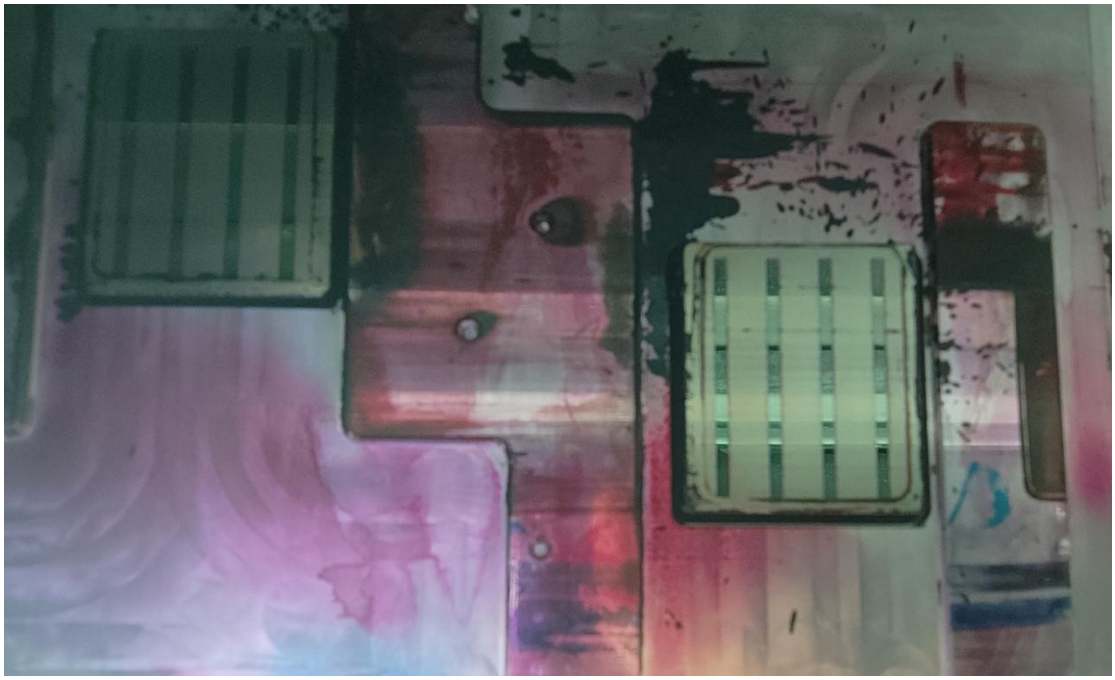


6.How to maintain.

（1） Regularly clean wiper and ink cap



（2）Regularly clean head plate



（3） Power on printer, clean head each day. Check nozzle state.

（4）Long time no use, printhead is easy to be blocked. You can pour some cleaning liquid to the ink cap, moving head back to ink cap.

（5）When your printer has any error report, take photos and power off printer, move head back to ink cap. Ask technicians to help you.