

FOR UV4060/6090

USER MANUAL



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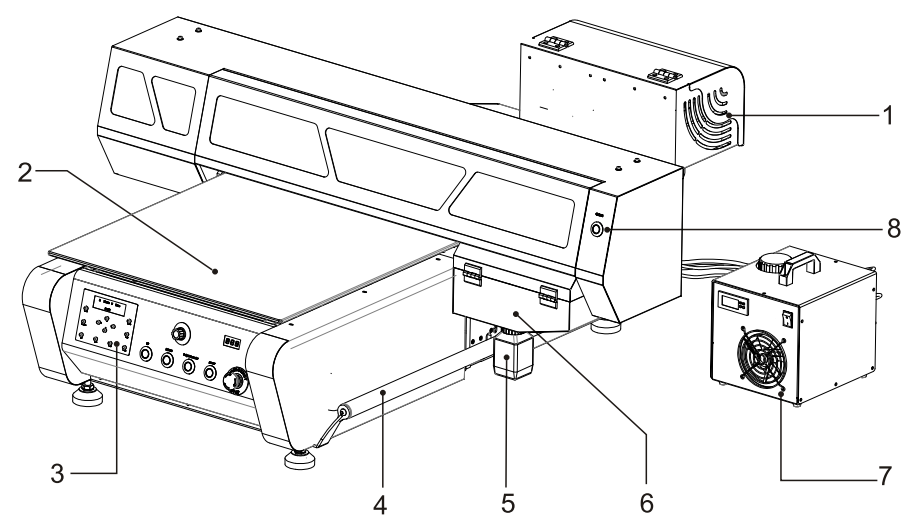
1.Warning

1. The machine can not be used by children or handicapped people. If must use it, please use it under supervision.
2. Please try to fix the problems when operate this machine.
3. Please follow the instructions to use the machine. Use the accessories and inks from the original manufacturer.
4. Ensure the power voltage matches the power cord and the machine nameplate voltage.
5. Only indoor using, recommended setting an air conditioning in the room, in order to get a steady working temperature and humidity.
6. Make sure the red fixture member for transportation has been removed before using the machine.
7. Never to use the machine under flames, friable material and dust environment.
8. No sundries around this printer.
9. Never use this printer in wet environment.
10. Never use the machine under extremely hot (above 40 °C) or cold (below 10 °C) environment.
11. If the cables are damaged, please stop using this printer and contact Vanye for support.
12. Never using any damaged cables.
13. Please power off before cleaning or maintaining.
14. Use this machine under local law policy.
15. Before sending printing task, make sure printer head not touch any objects. The automatic height detection is not suitable for transparent materials.
16. When the printer is printing, please close the machine cover or equipped with anti-UV glasses.
17. To move the machine only with handle by at least four people, and never move it with other machine part.
18. When adjust the ink dampers, nozzles, ink tubes, ink bottles, cap top and other components may come into contact with the ink, please wear the protective gloves.
19. The machine should be placed on good table which is with 2cm or more thickness.
20. Do not recommend to use this UV LED all the time with high load printing. And it is recommended to use 30%-40% for hard material printing, while 20-30% for soft material. Please follow the maintenance form to use this machine.
21. If your ink is not from Vanye, no warranty for the printer any more.
22. If the printer is not in using, you can turn off the power on front switch, but do not power off the rear switch. Leave the rear switch on to make the stirring system working all the time.

*Please read the user manual carefully before using, and always keep the user manual.

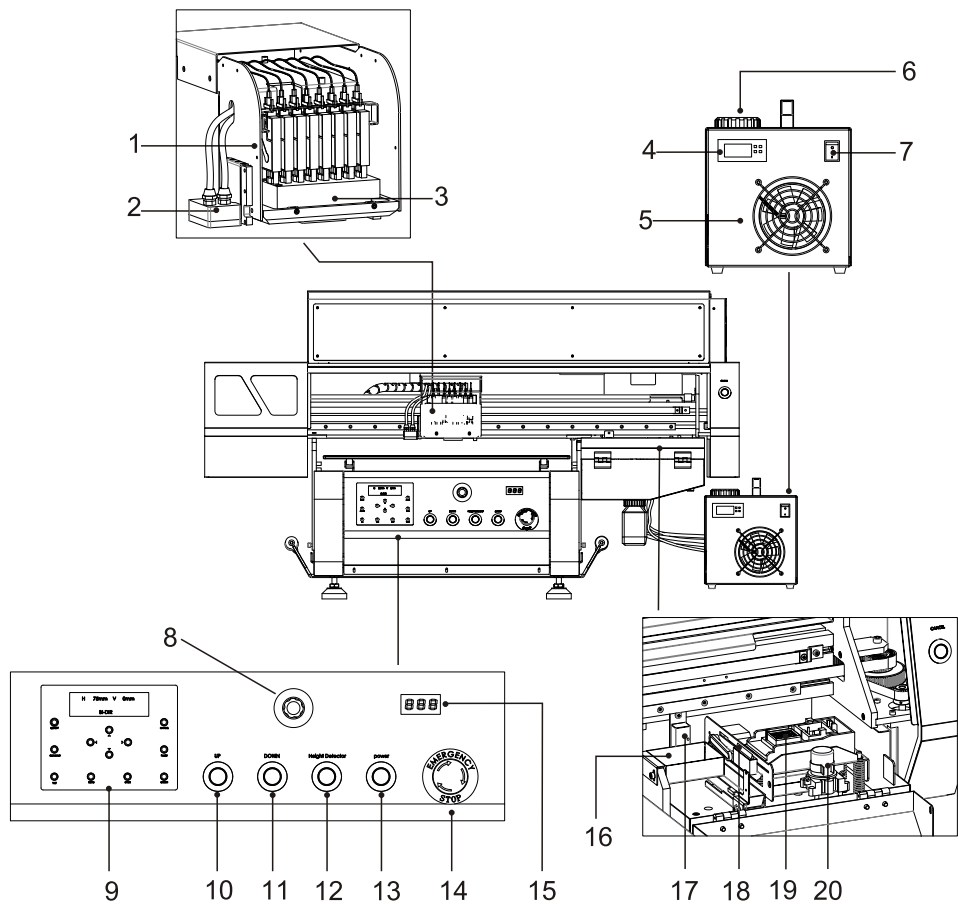
2.Instruction

2.1 Structure and Function



- 1.Ink Tank
- 2.Aluminium Platform
- 3.Control panel
- 4.Handle
- 5.Waste Ink Bottle
- 6.Printer Head Cleaning System
- 7.Watercooling for UV LED
- 8.Manual Cleaning Button

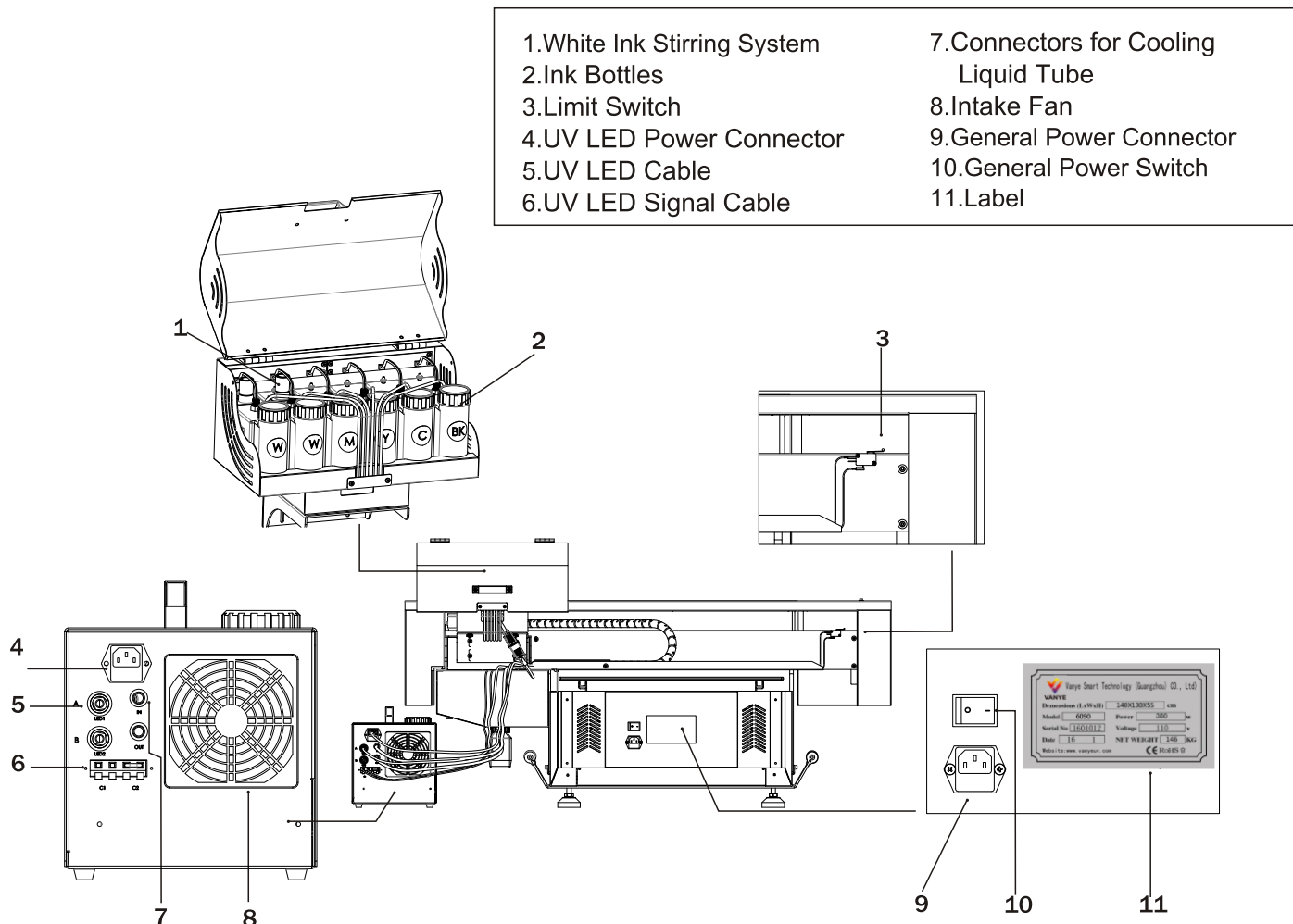
2.2 Front Structure Figure



- 1.Dampers
- 2.UV Led
- 3.Printer Head
- 4.Temperature Display
- 5.Exhausting Fan
- 6.Inlet for Water Case
- 7.Power Switch
- 8.UV LED Adjusting Knob
- 9.Control Panel
- 10.Up
- 11.Down
- 12.Height Detector
- 13.Power
- 14.Emergency Stop
- 15.Height Display
- 16.Waste ink Box
- 17.Height Sensor
- 18.Wiper
- 19.Cap Top
- 20.Ink Pump

2.Instruction

2.3 Back Structure

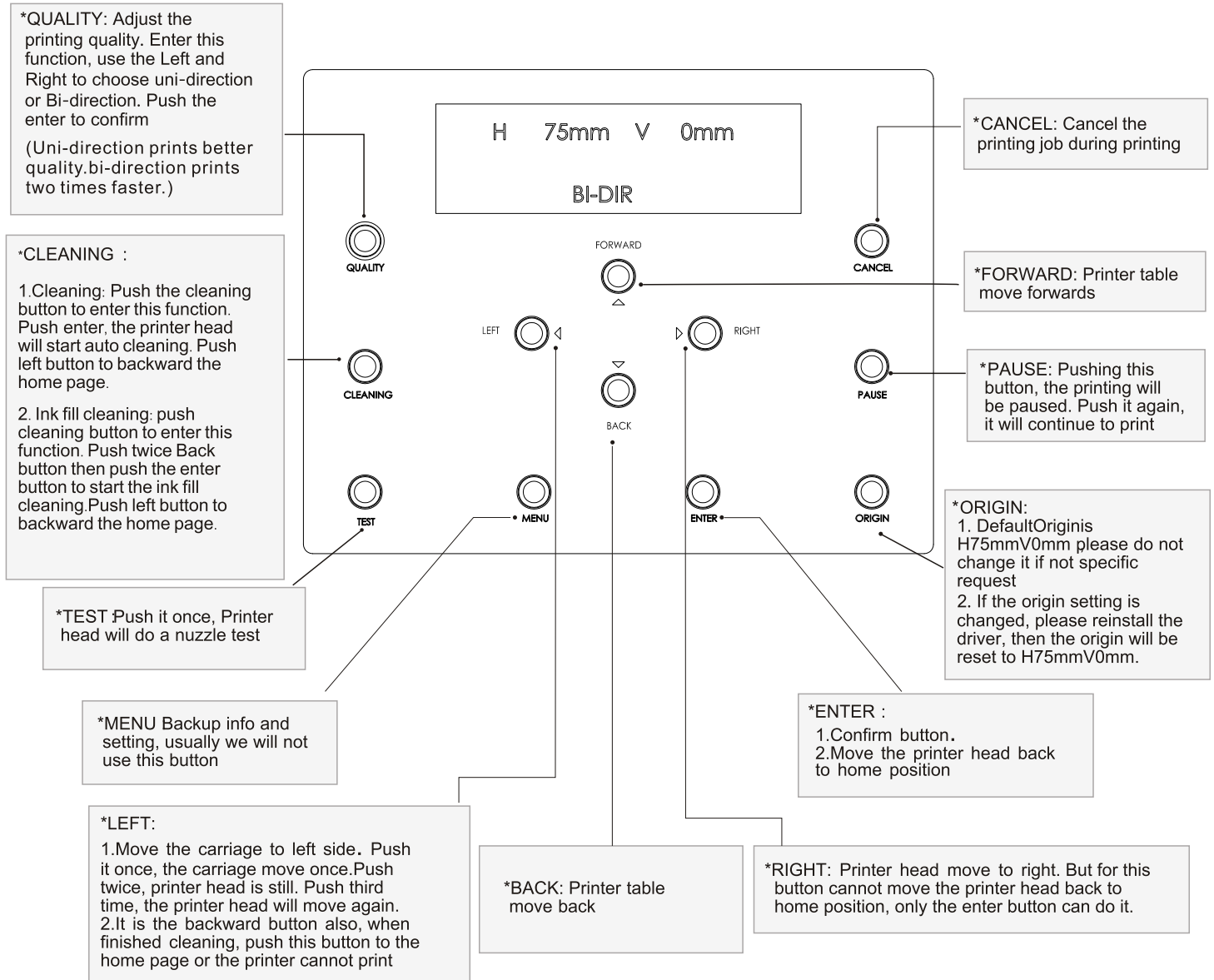


2.4 Technical Data

Model	UV4060 Flatbed Printer	UV6090 Flatbed printer
Printing Size:	23.6"x15.7"(60x40cm)	23.6"x35.4"(60x90cm)
Curing System:	UV LED Water cooling system	UV LED Water cooling system
Max. Height:	5.5"(14cm)	5.5" (14cm)
Power:	50/60HZ 220V(±10%)<2A 110V(±10%)<4A	50/60HZ 220V(±10%)<2A 110V(±10%)<4A
Environment Requirement:	20-28°C (68- 82°F) HR40-60%	20-28°C (68- 82°F) HR40-60%
Printer Head:	Epson DX5 (Nozzles 180x8)/Dx7/XP600	Epson DX5 (Nozzles 180x8)
X/Y/Z-Axis Motor:	X/Y/Z- Servo motor	X/Y/Z- Servo motor
RIP:	Photo Print RIP	Photo Print RIP
Computer Sys.:	Microsoft Windows XP/Win7/win8-64bit	Microsoft Windows XP/Win7/win8-64bit
Ink Color:	K C M Y W W W W	K C M Y W W W W
Joint:	USB2.0/USB3.0	USB2.0/USB3.0
N.W:	233.7lb	321.93lb
Machine Size:	86 * 134 *80cm	125* 170 *80cm

2.Instruction

2.5 Use the Control Panel



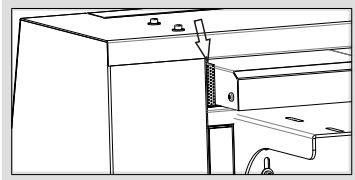
*Control panel is working when printer is online.

*Above are the basic operation, and more information please contact with Vanye.

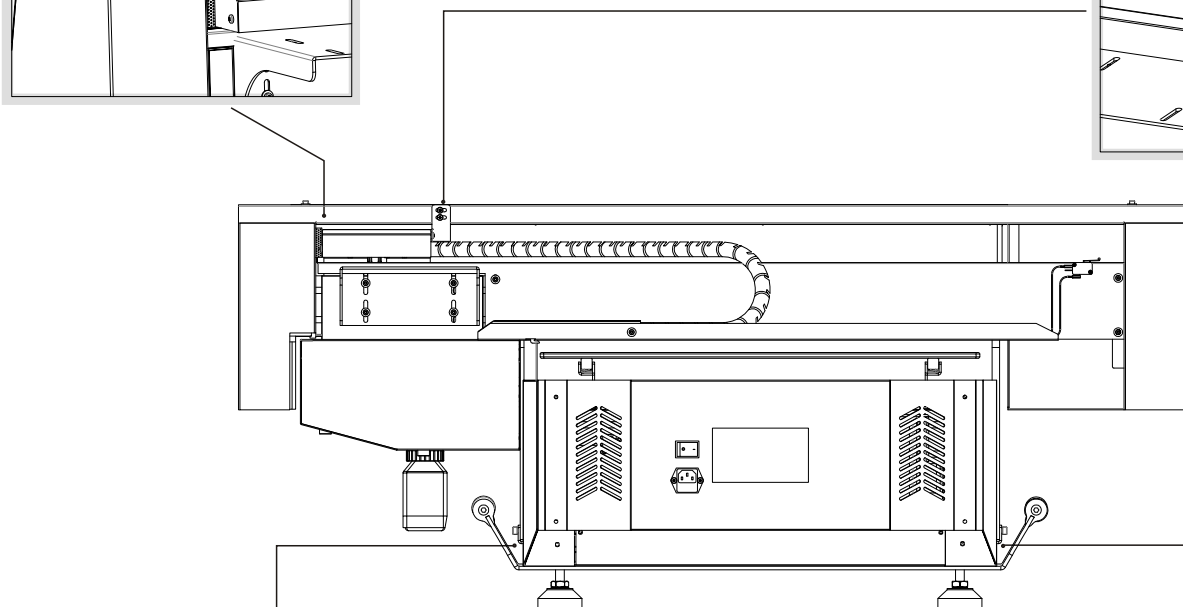
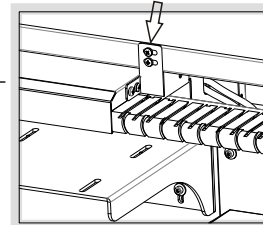
3.INSTALLATION AND OPERATION

3.1 Before Installation

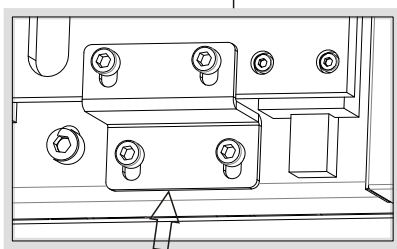
❶ Remove White Foam



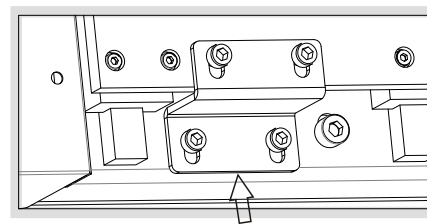
❷ Remove the Red Metal Fixture



❸ Remove the Left Metal Fixture



❹ Remove the Right Metal Fixture

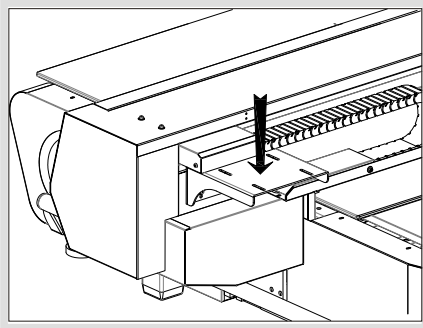


- *Put the machine on the table which is at least 2cm thickness and good stability.
(Desktop instability will cause poor print quality.
- *Clean up the platform to make the surface clean.
- *Remove the corresponding fixed component following the diagram.
- *Printer shall be removed with Handles by 4-5 people.

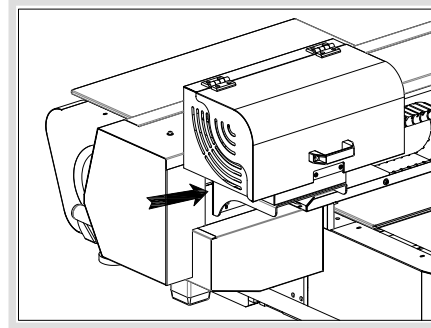
3.INSTALLATION AND OPERATION

3.2 Install the Ink System

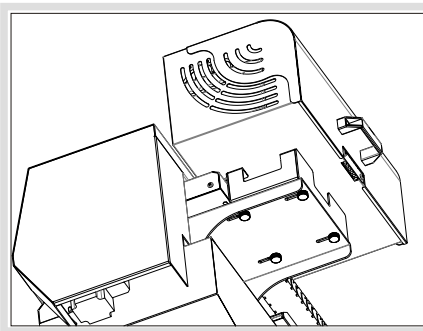
1 Install the Ink Case



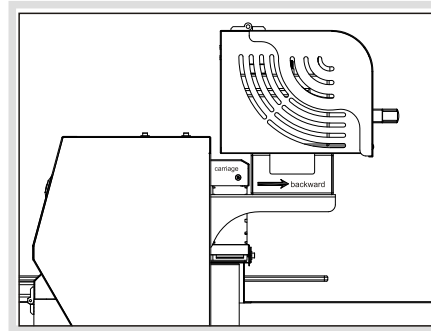
A. Unwrap the cables, and get the screws



B. Place the ink case here

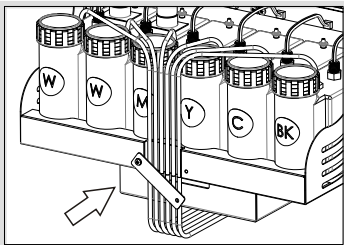


C. Fix the screws of the ink case, please move the case as far as possible from the carriage

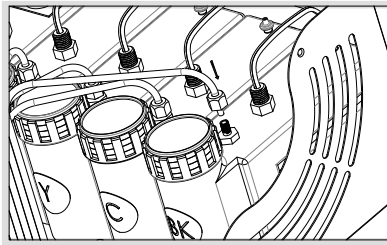


D. Check from side panel, and make sure the case will not block the carriage

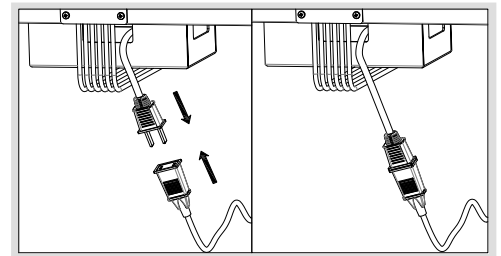
2 Connect the Power Cable



A Fix the cables here

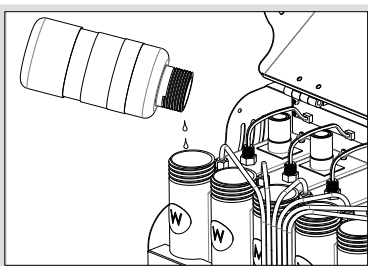


B. Screw up the tube to the ink bottle

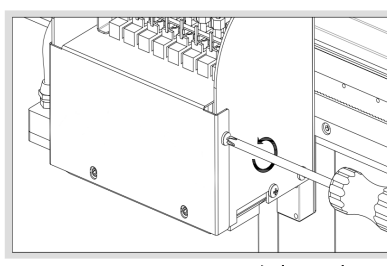


C. Connect the power cable of white ink stirring system

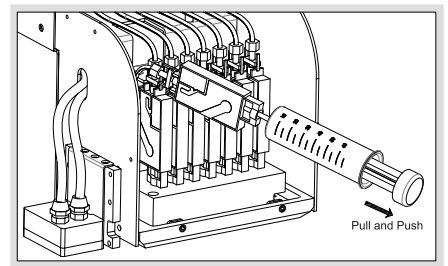
3 Refill the Ink to the Ink Bottle, and Lead it to Dampers:



A. Refill the ink



B. Take off the damper cover

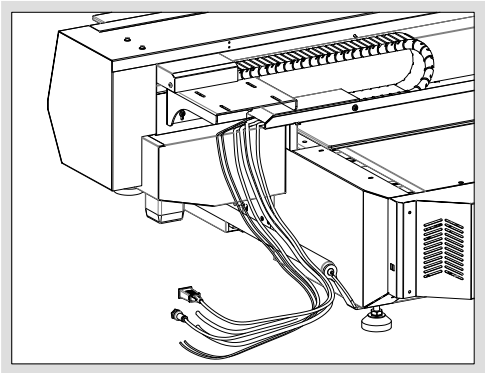


C. Use the syringe to vacuum the ink out from the dampers

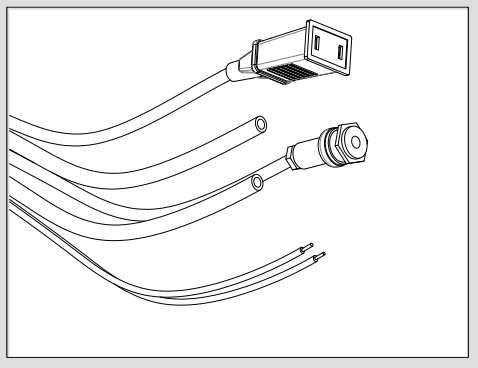
3.INSTALLATION AND OPERATION

3.3 Install the Water Cooling System

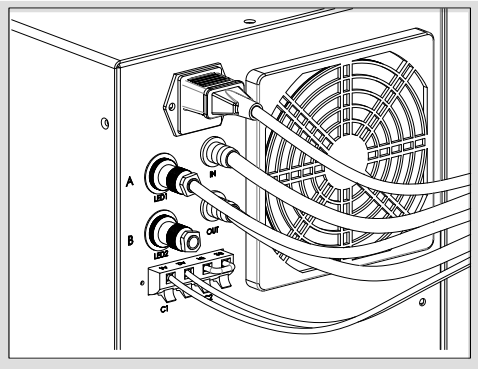
1 Unwrap the Cables



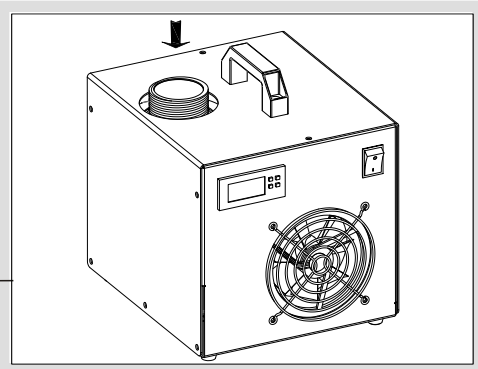
2 Prepare All the Tubes



3 Connect the tubes
Brown cable to A1,
Blue cable to A2



4 Open the Cover,
and Refill with Water



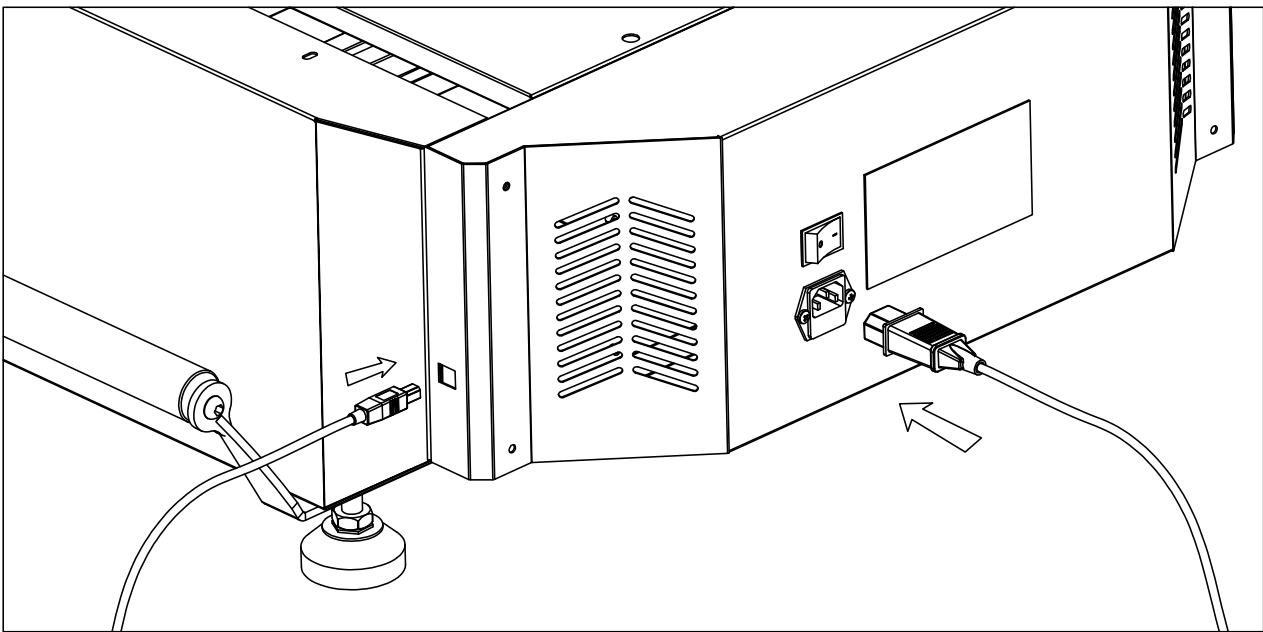
3.INSTALLATION AND OPERATION

3.4 Install the Driver

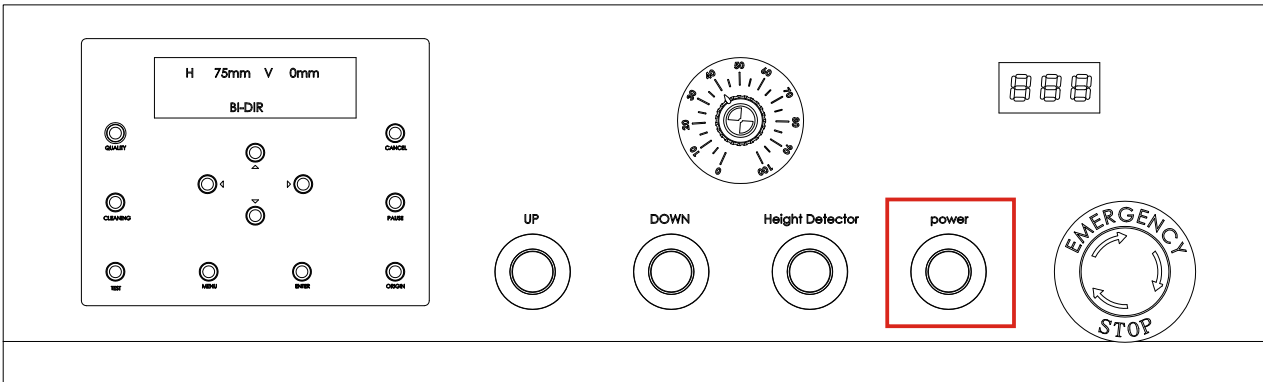
*Before Installation

Notes: Please closed or shut down all the anti-virus software and firewall.
Before installation of the driver, copy UV-4060 or UV-6090udisk files to computer.

Plug the USB cable and general power cable
power on printer, connect the USB cable, please kindly follow the below steps:



General power cable and USB cable



Power on the machine

3.INSTALLATION AND OPERATION

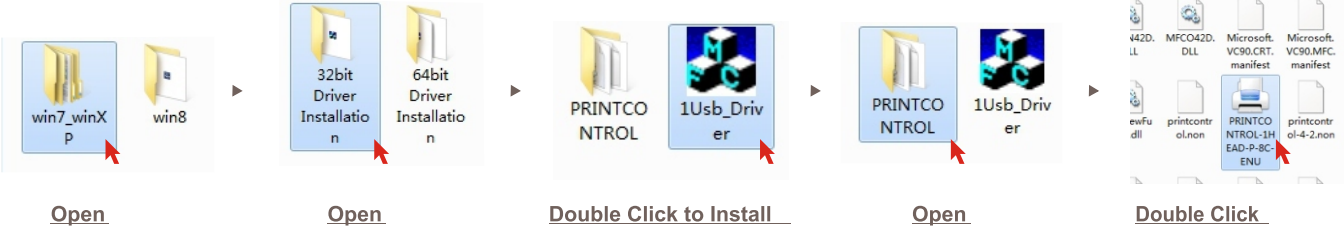
3.4 Install the Driver

*Before Installation

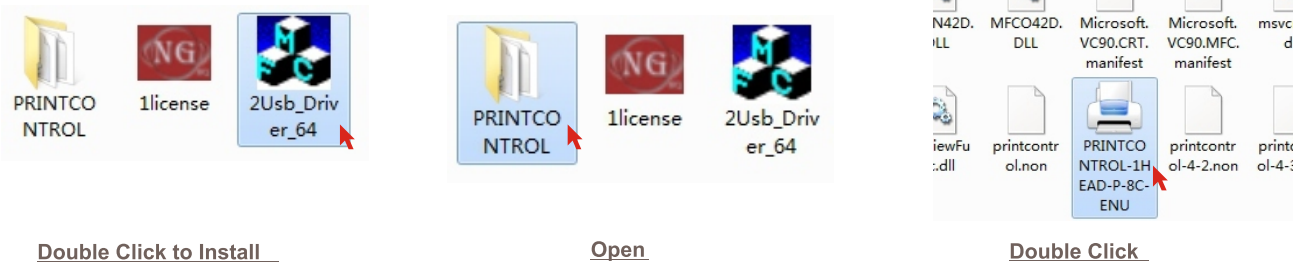
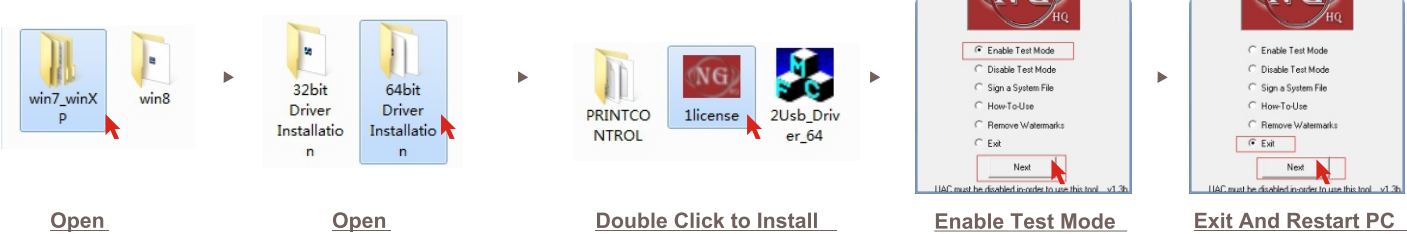
Notes: Please closed or shut down all the anti-virus software.
Before installation of the driver. Then copy UV-4060 or UV-6090udisk files to computer.
Power on printer, connect the USB cable, please kindly follow the below steps:

1 How to Install it

A.FOR WINXP OR WIN7 - 32BIT



B.FOR WIN7-64BIT



C.FOR WIN8

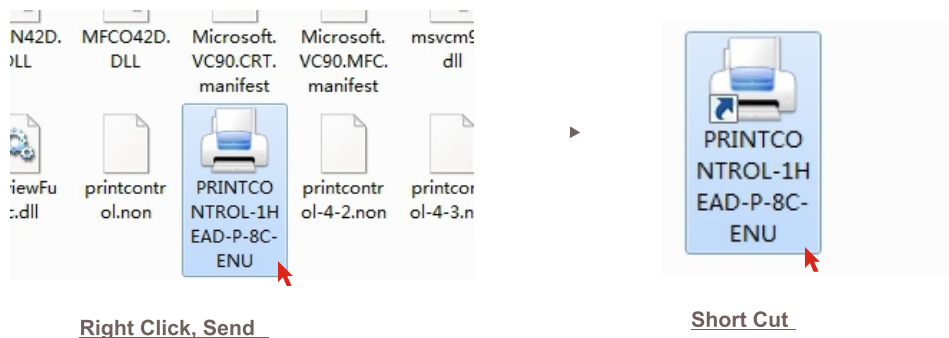


3.INSTALLATION AND OPERATION

3.4 Install the Driver

2 Finished Installation

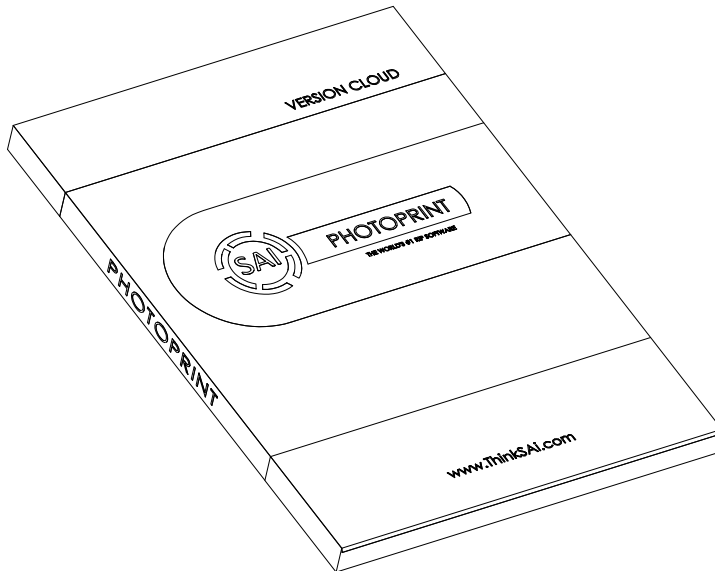
* When finished installation, there will be a driver icon in the right bottom of PC. Right click on the icon, it will pop up a window to show the status: online or offline. When shows online, the printer is connected with computer, and ready for printing. When the icon is gone, please find the installation file, and right click to send the icon shortcut to desktop.



3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

1 Get the Software Package and Activate the Software

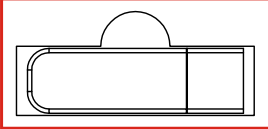
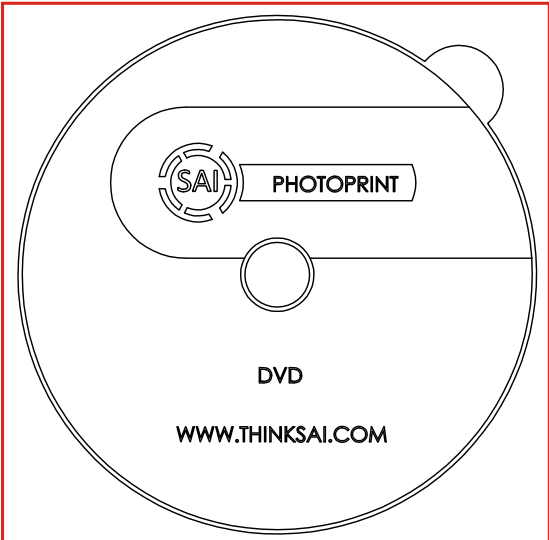


A. Get the software package from the accessory bag

Dongle

Code

Steps

<p>Your new product order has been processed</p> <p>Following password have been generated for User</p> <p>ID#: 123456 Key ID: 234567</p> <p>Product: PhotoPRINT DX Plus 11 ApexJet Cloud Edition Language: English,Portuguese,French,Italian,German, Spanish,Simplified Chinese,Polish,Hebrew/traditional, Chinese,Japanese,Korean,Dutch,Danish,Finnish,Russian</p> <p>Password: JS154ES4R1WESR4WSSER</p> <p>Instructions:</p> <p>Activating Your Product</p> <ol style="list-style-type: none">1, Go to www.saicloud.com in your web browser2, Copy the Activation Code3, Paste the code in the Activation Code field in the SAI Cloud web site and click Activate.4, In the login section, choose whether you are new or returning to the SAI Cloud and follow the instructions. <p>Note: For more information,please check installer DVD</p> <p>www.ThinkSAI.com</p>	<p></p> <p></p> <p>DVD</p> <p>WWW.THINKSAI.COM</p>
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Software Disk

B. Before installation, follow these steps to activate the license of the software.

*Do not plug the dongle in before finishing installing the Photoprint software.

*In the precess of activation, PC need to connect to the Internet.

3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

❑ Installation

After activate the software, please install the software. Insert installation disk. Open the disk. Then install software step by step by following the wizard.

Installation instructions

1).Install photoprint software, open



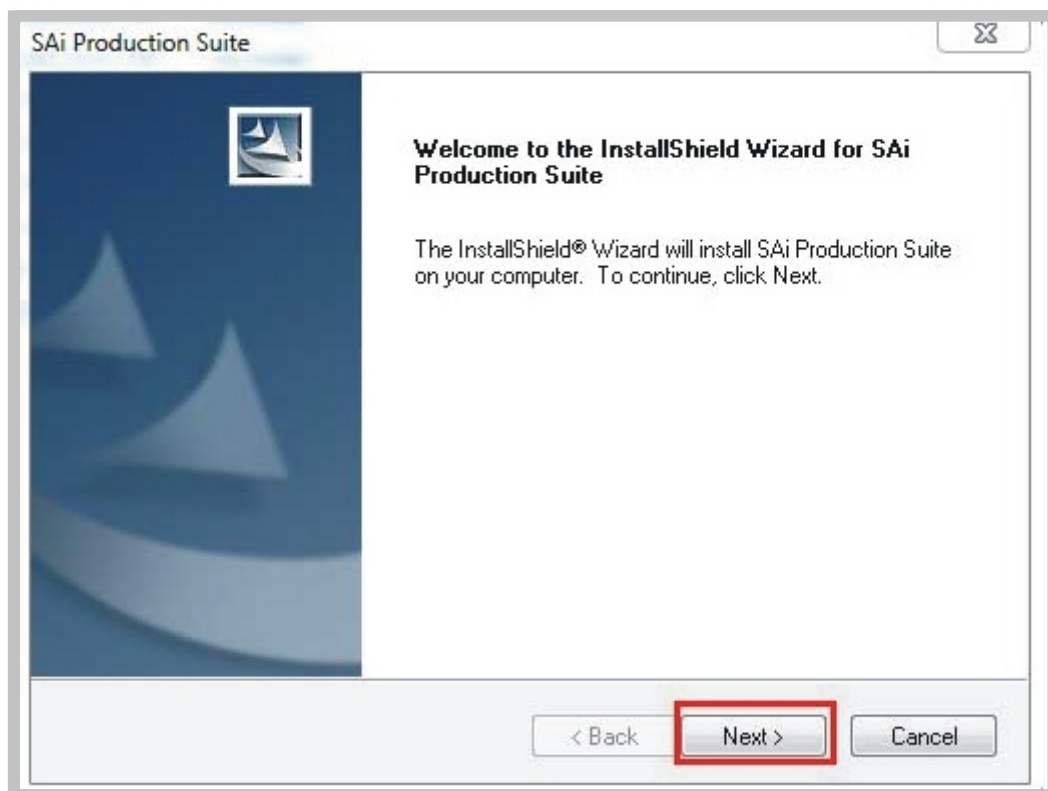
1. Autorun
Autorun Application
SA International

choose language



Click OK to choose language

2).Then, choose next:



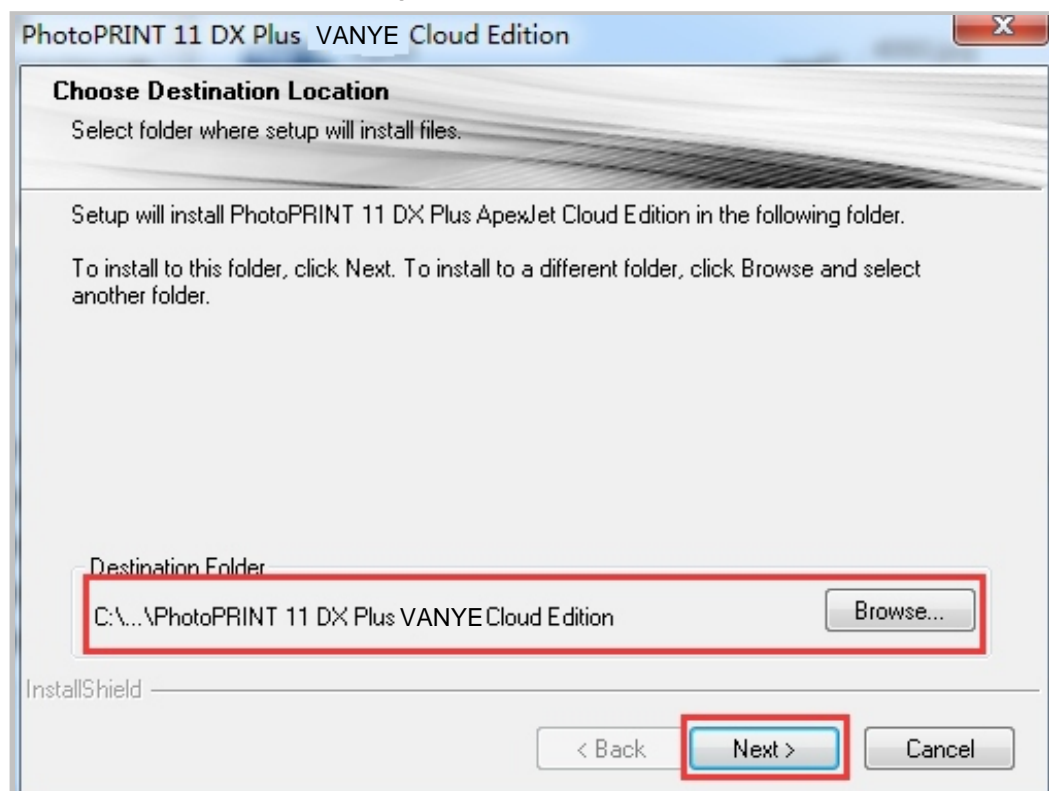
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

3).Choose “I accept the terms of the license agreement” and then choose “Next”



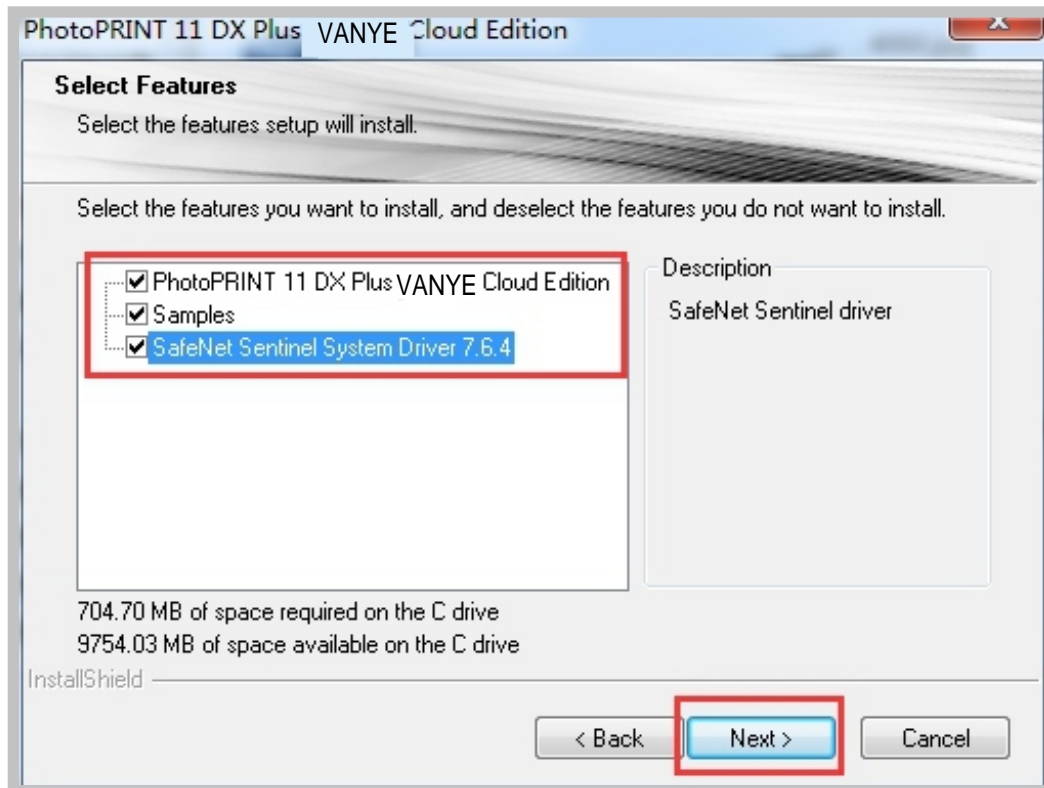
4).Find “Choose Destination Location” dialog box, and choose Destination Folder, then click “Next”



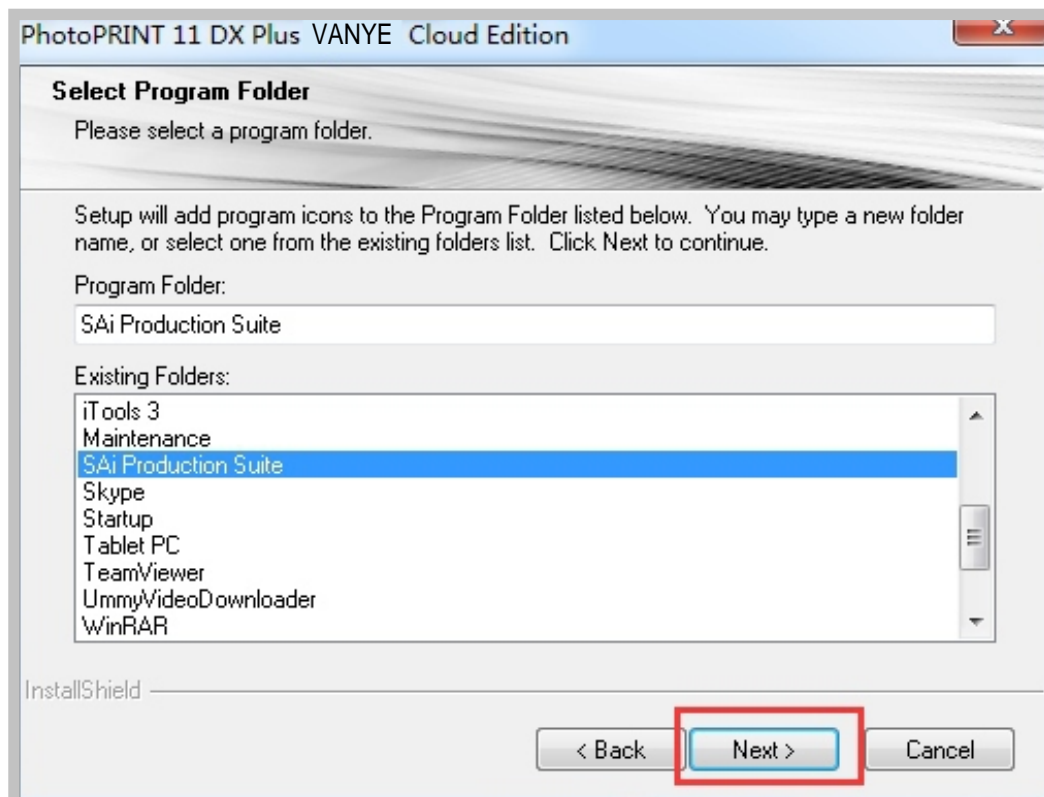
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

- 5). All following options are required. Other options should be chosen also under different requirement. And then click "Next"



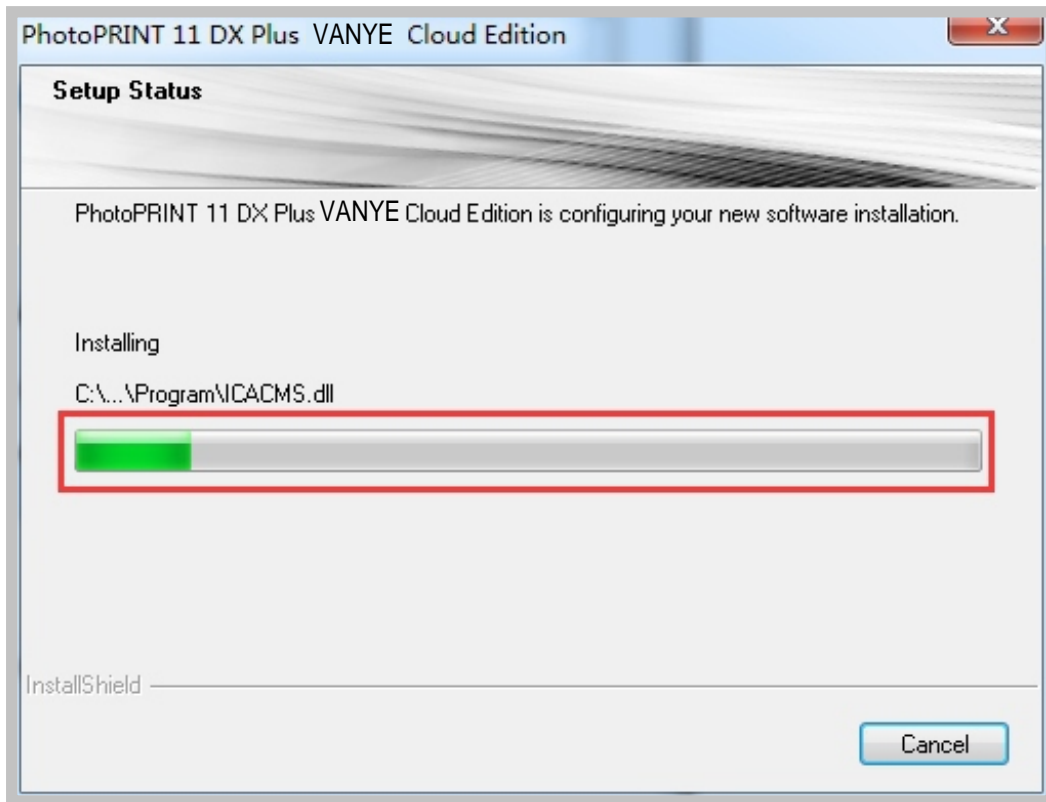
- 6). Keep default options, but don't choose others. And then press "Next".



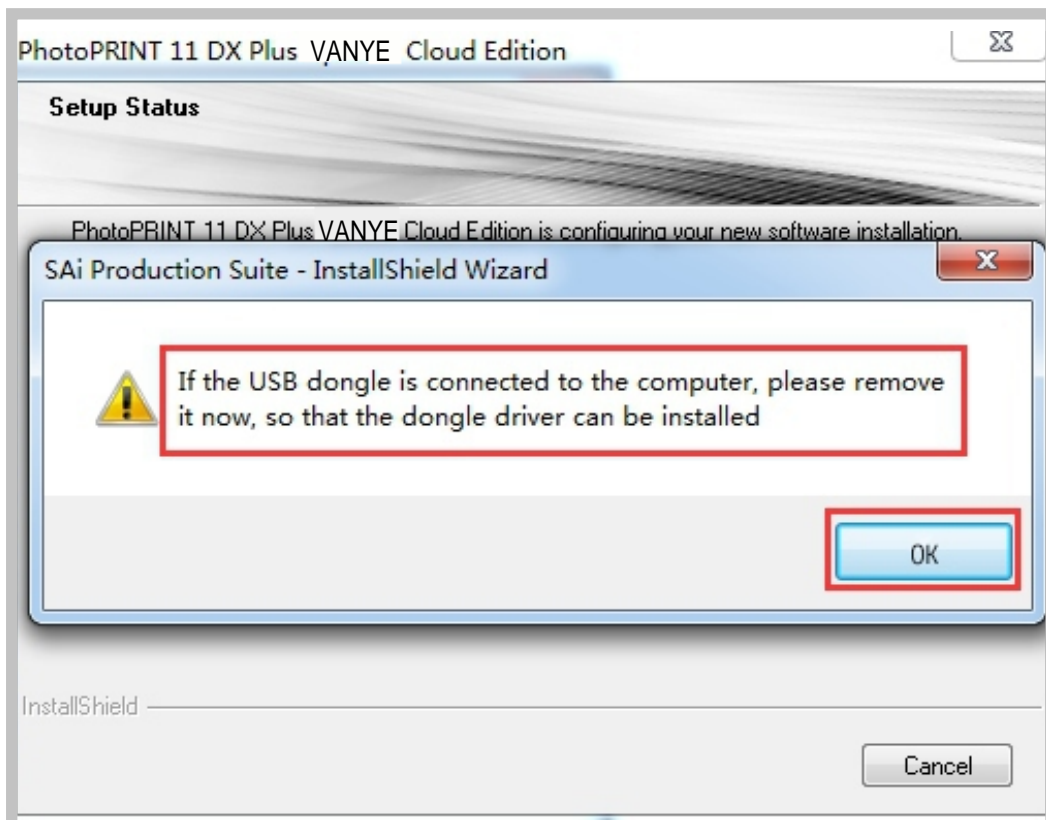
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

7).When the program installation is finished, following progress is shown as below



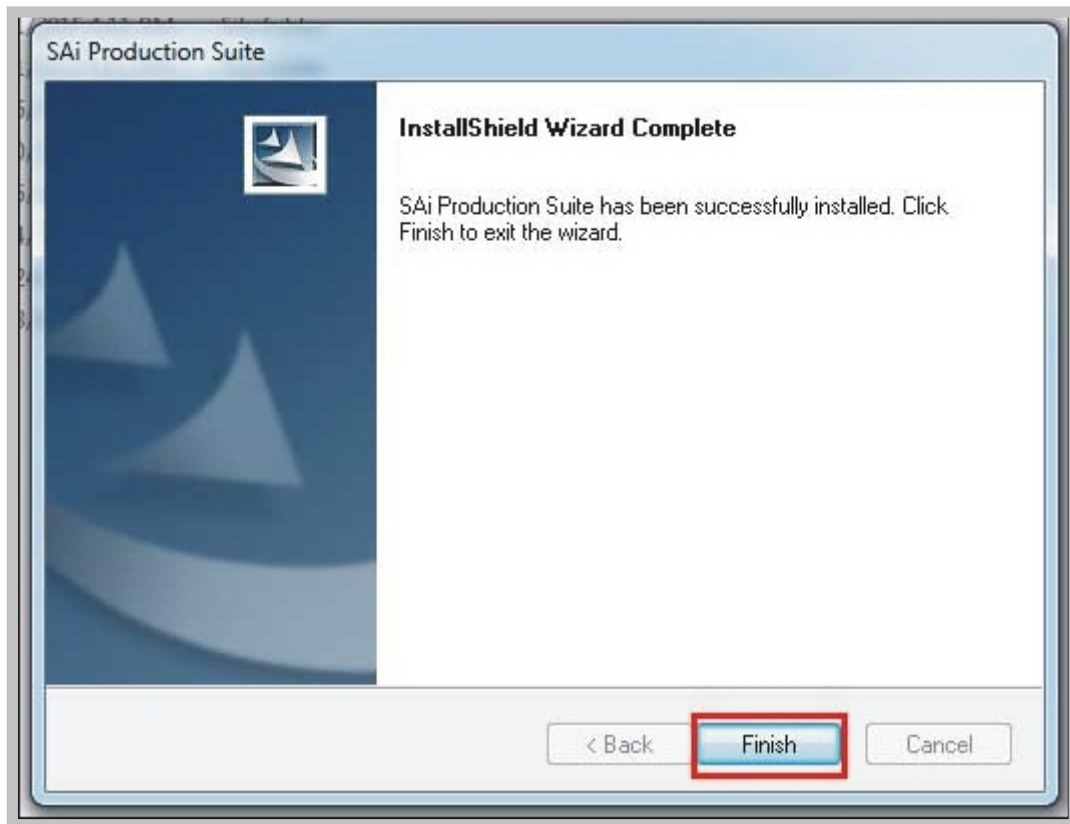
8).In the installation process, confirm that the dongle is not connected and click OK.



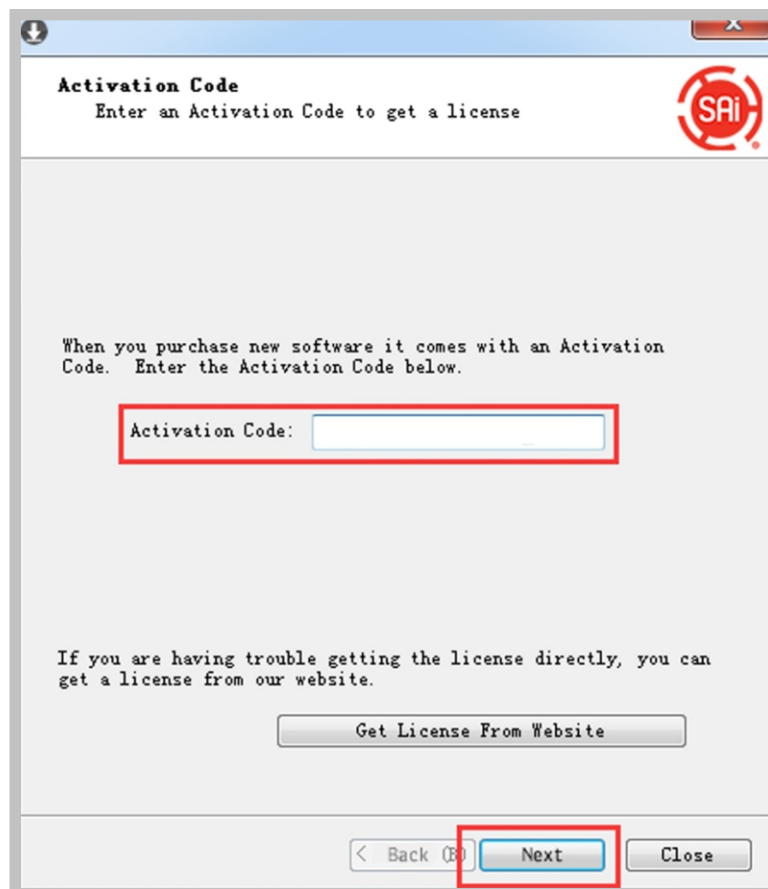
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

9). Click “Finish” as shown in the next dialog box:



10). After Finish, it will pop up as the picture below shows.

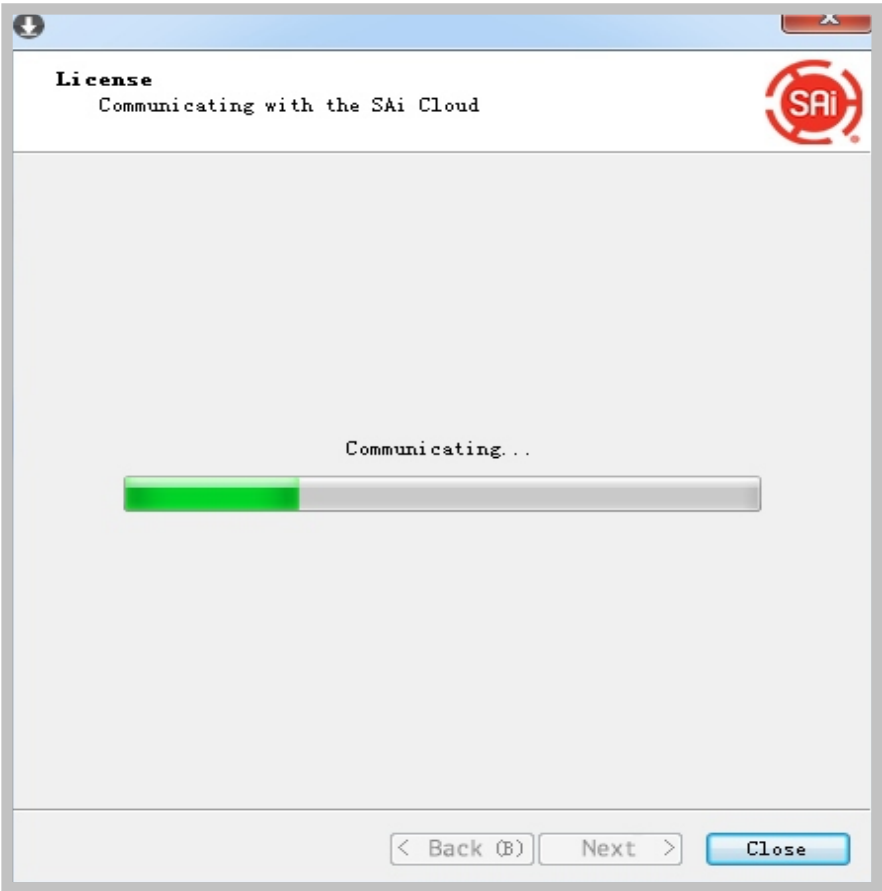
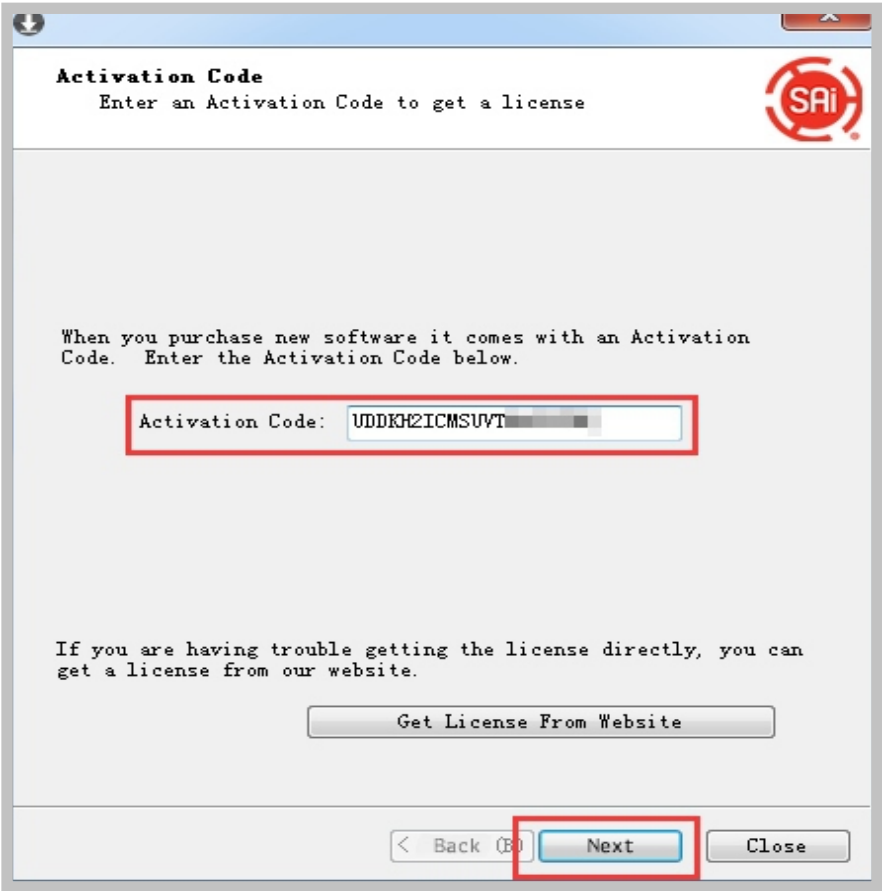


3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

11). Type in the password, then click Next.

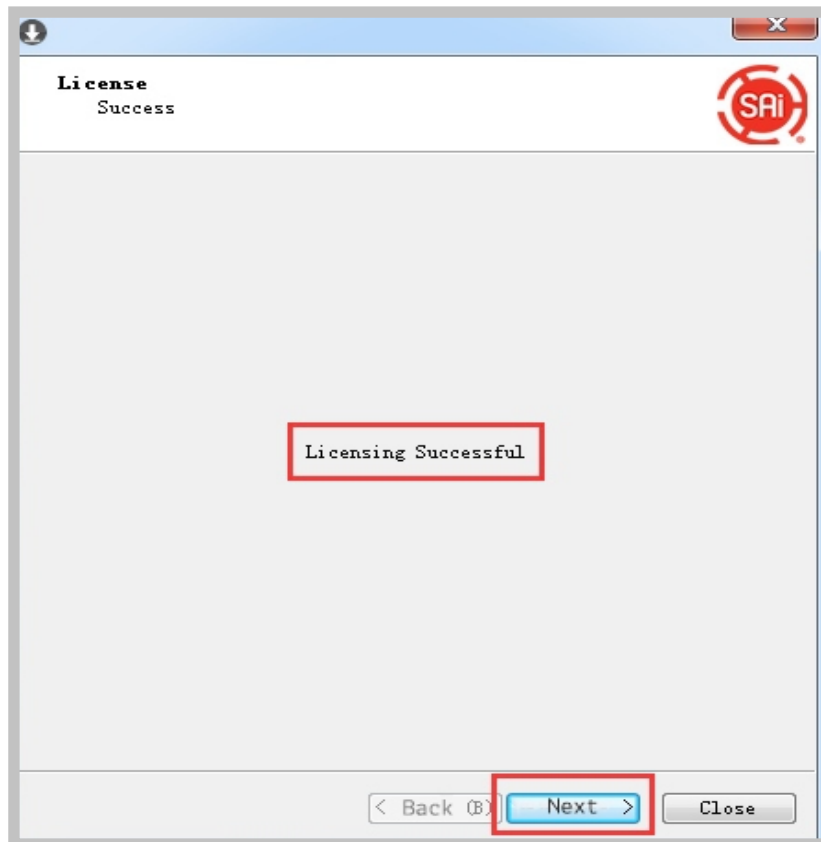
Activation Code
is the password
on the package.



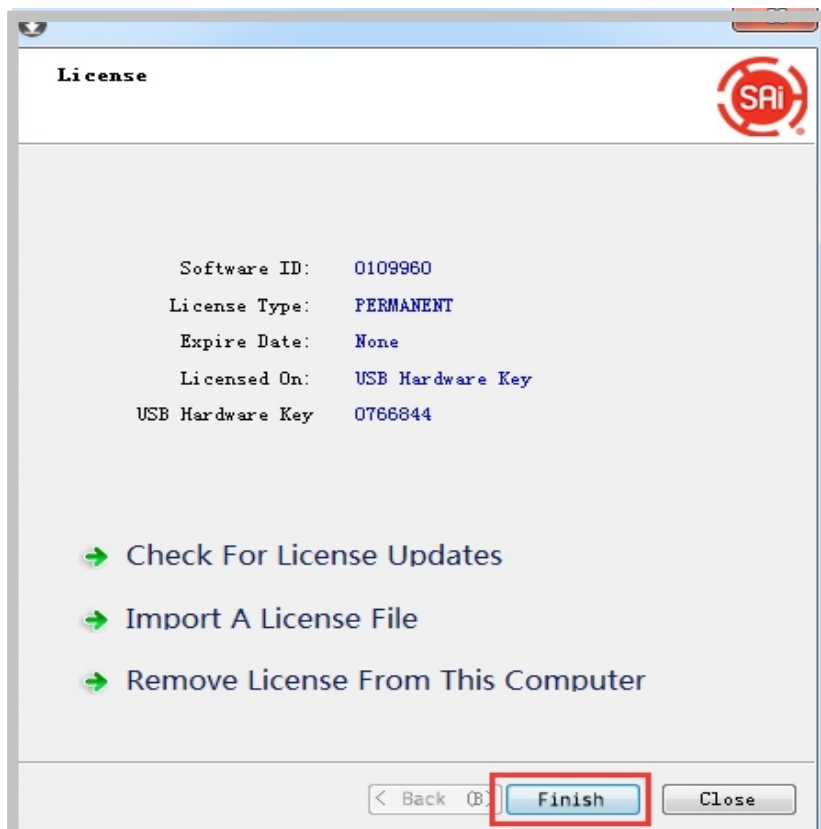
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

12).When licensing successful is shown, click next



13).Software is activated, click finish

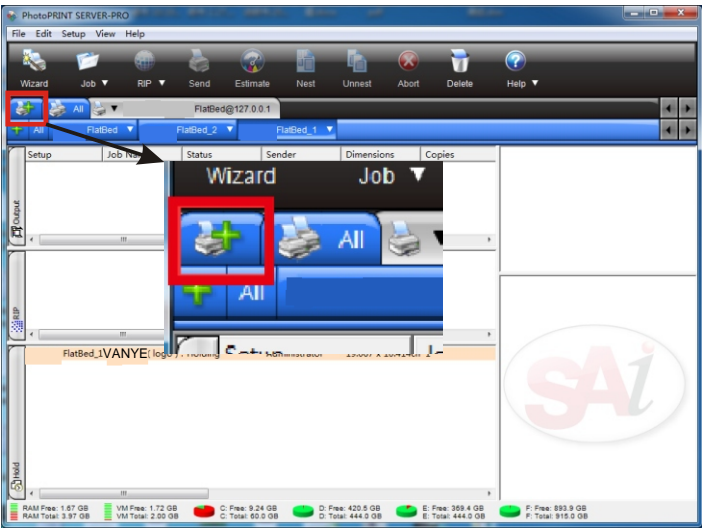


3.INSTALLATION AND OPERATION

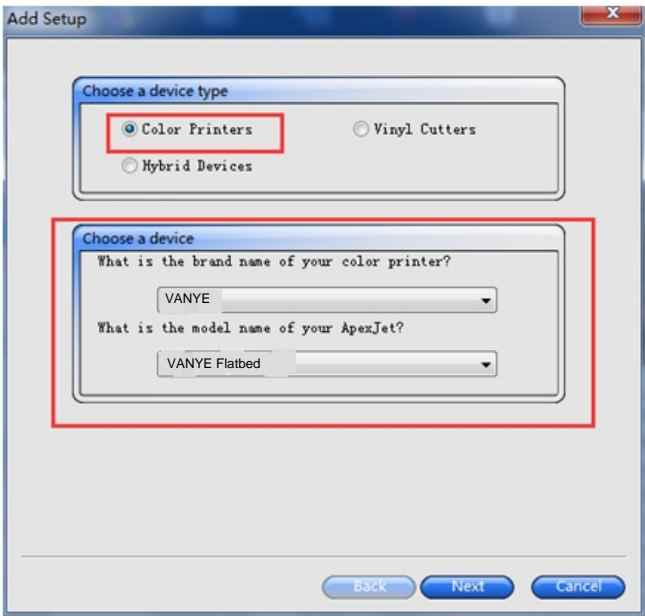
3.5 Install and Operate the Software

3 Printer and port setting

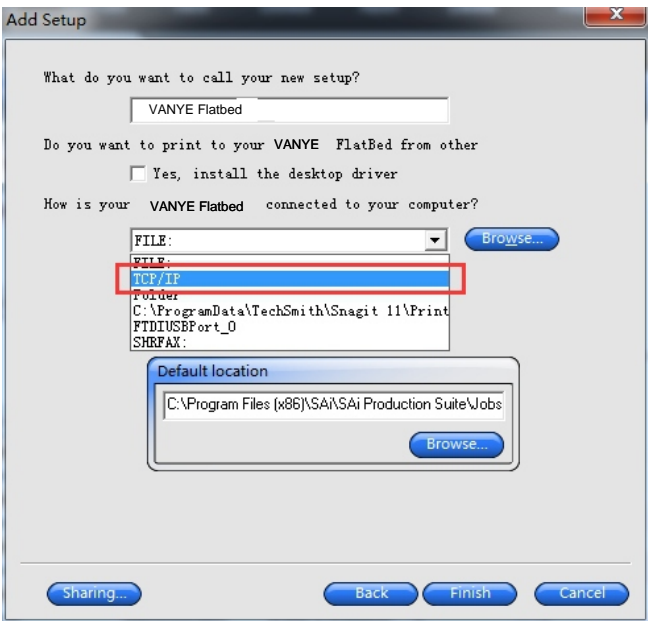
After installation, a shortcut will be generated onto desktop. Double-click photoprint to do some default settings. During usage, keep dongle plugged into computer.



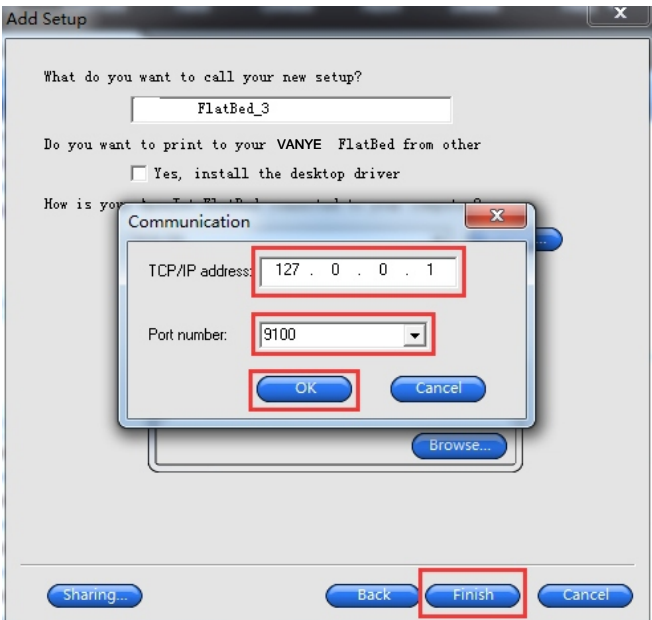
A. If the banner does not pop up, please click the icon as the above picture, then follow all fellow steps .



B. Choose the same option as above pic.



C.Select TCP/IP

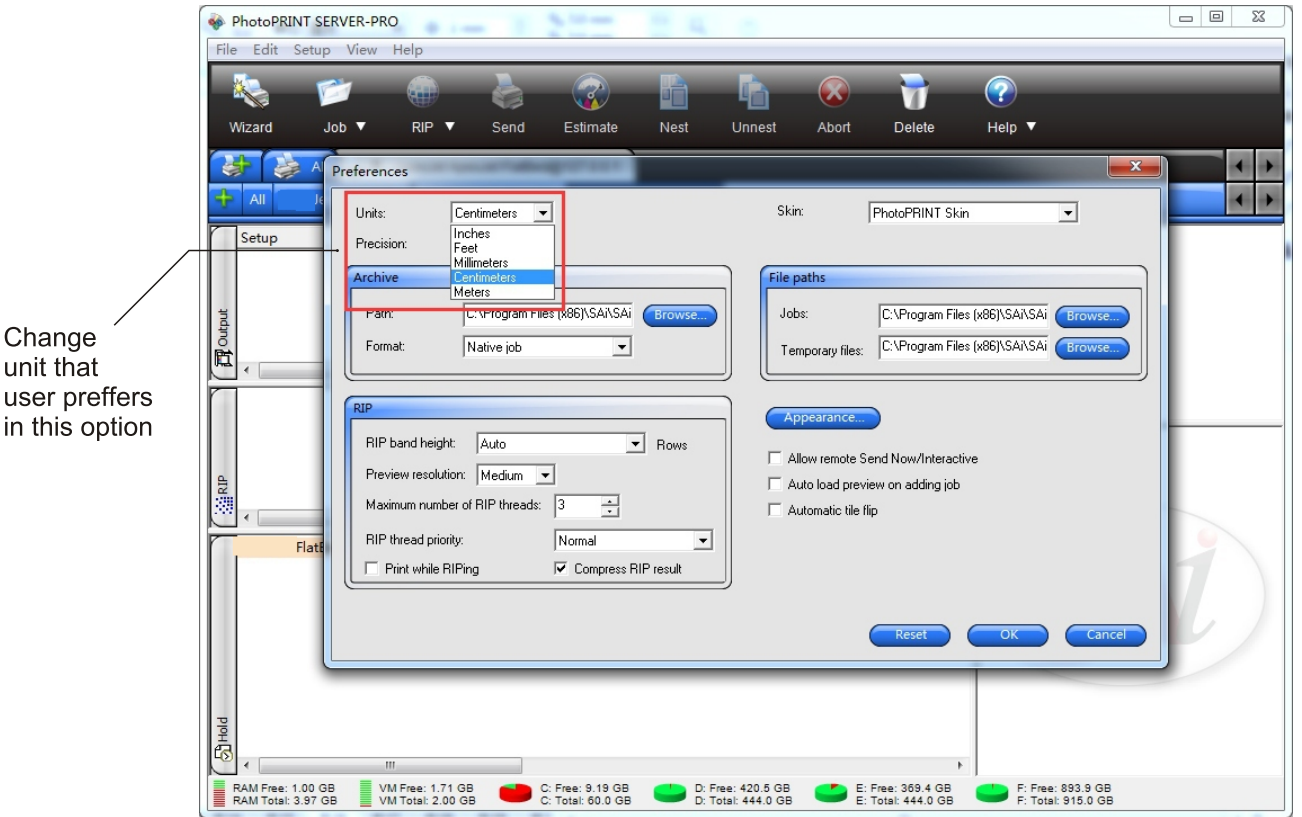
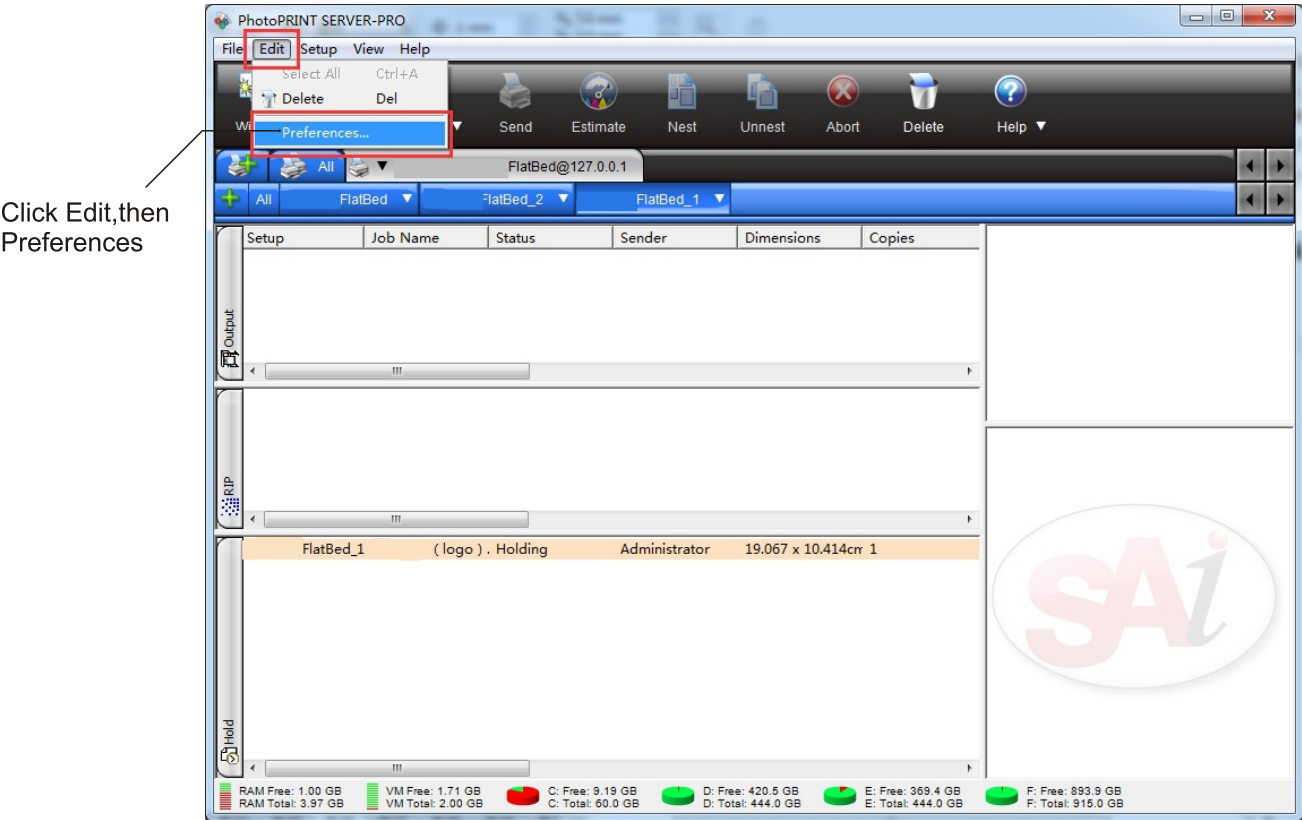


D. Set up the Printer IP and Port, then click OK and Finish.

3.INSTALLATION AND OPERATION

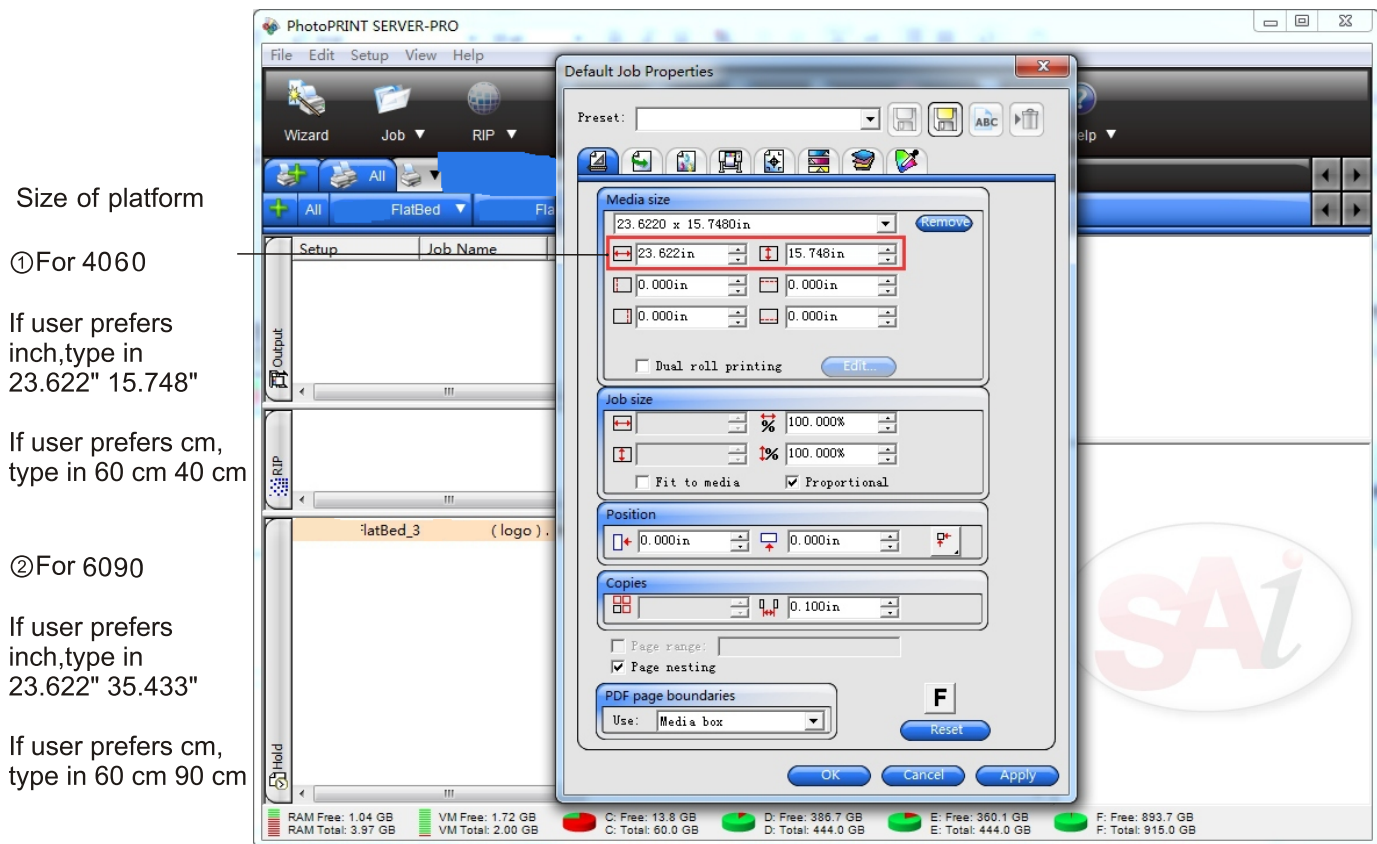
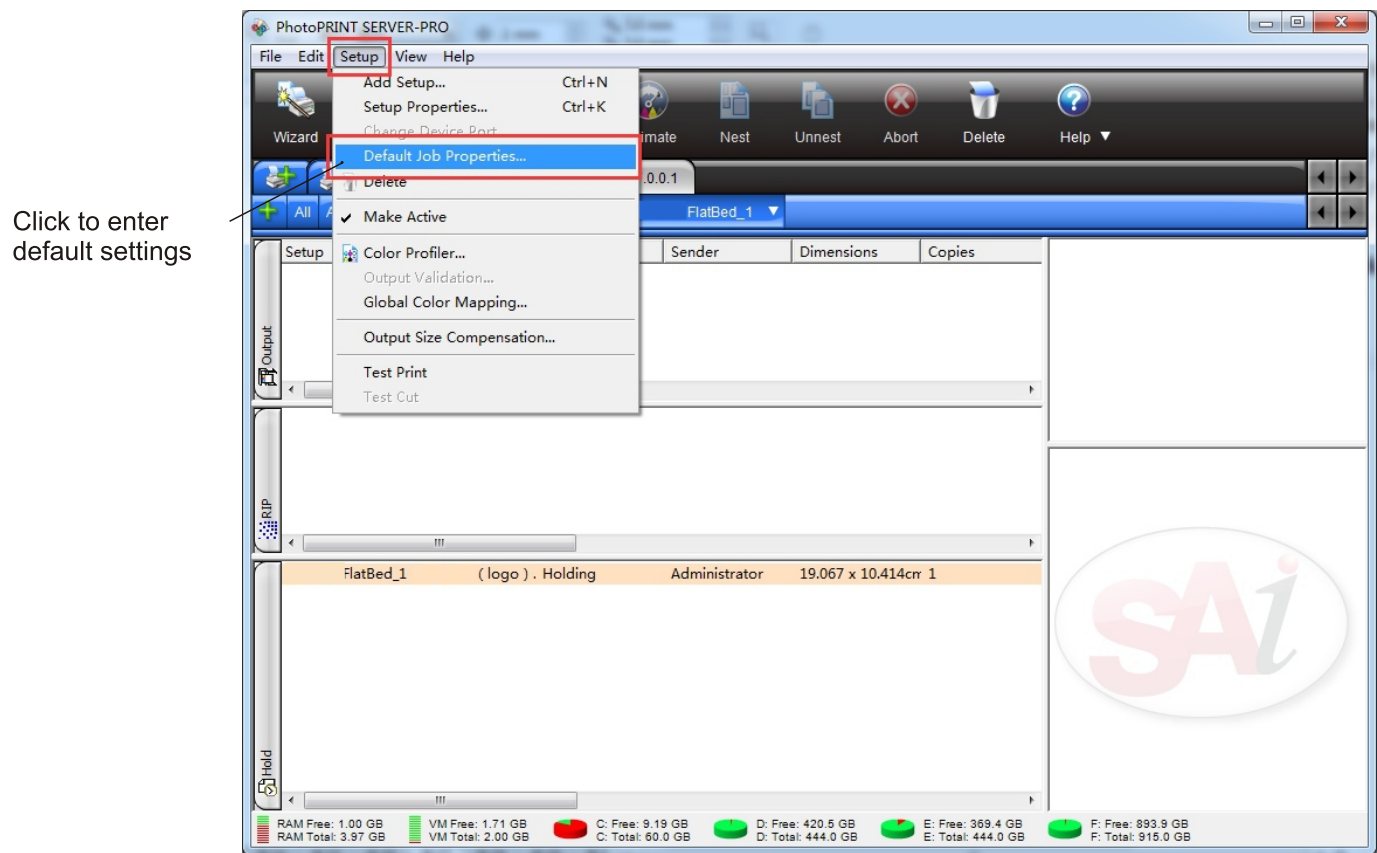
3.5 Install and Operate the Software

4 Initial and Default Setting



3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

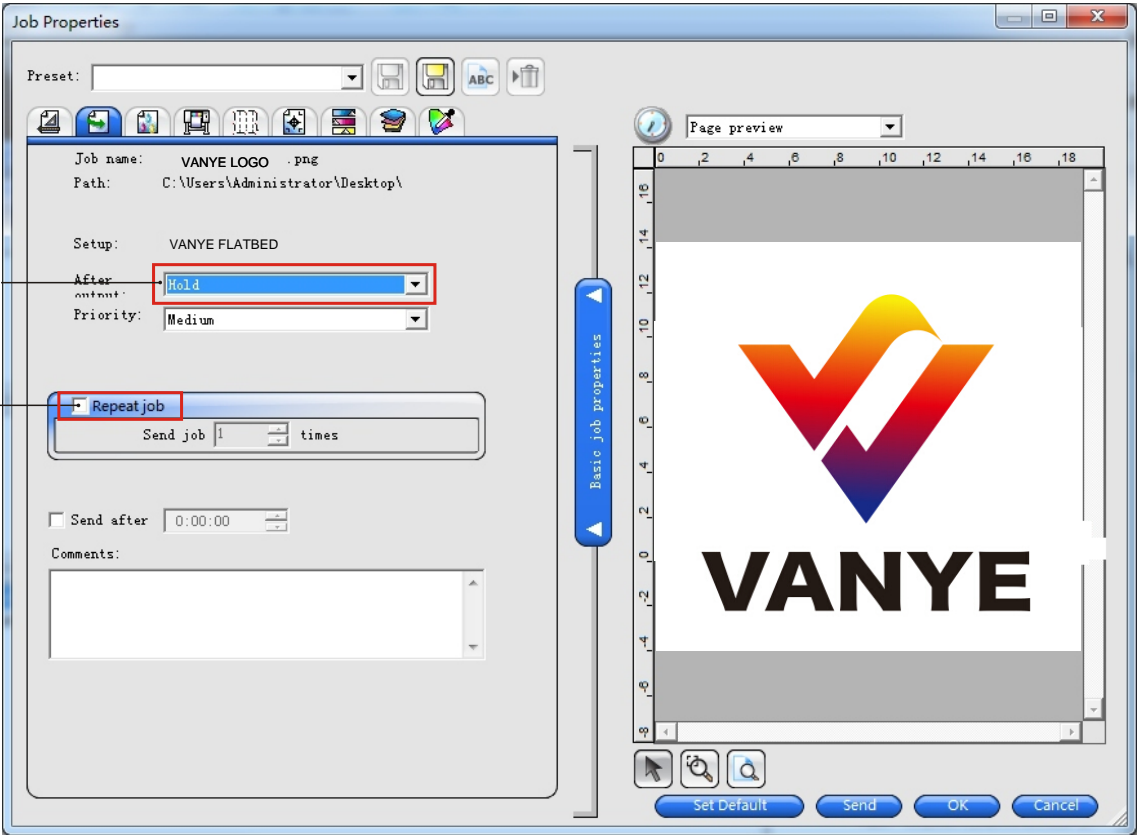


3.INSTALLATION AND OPERATION

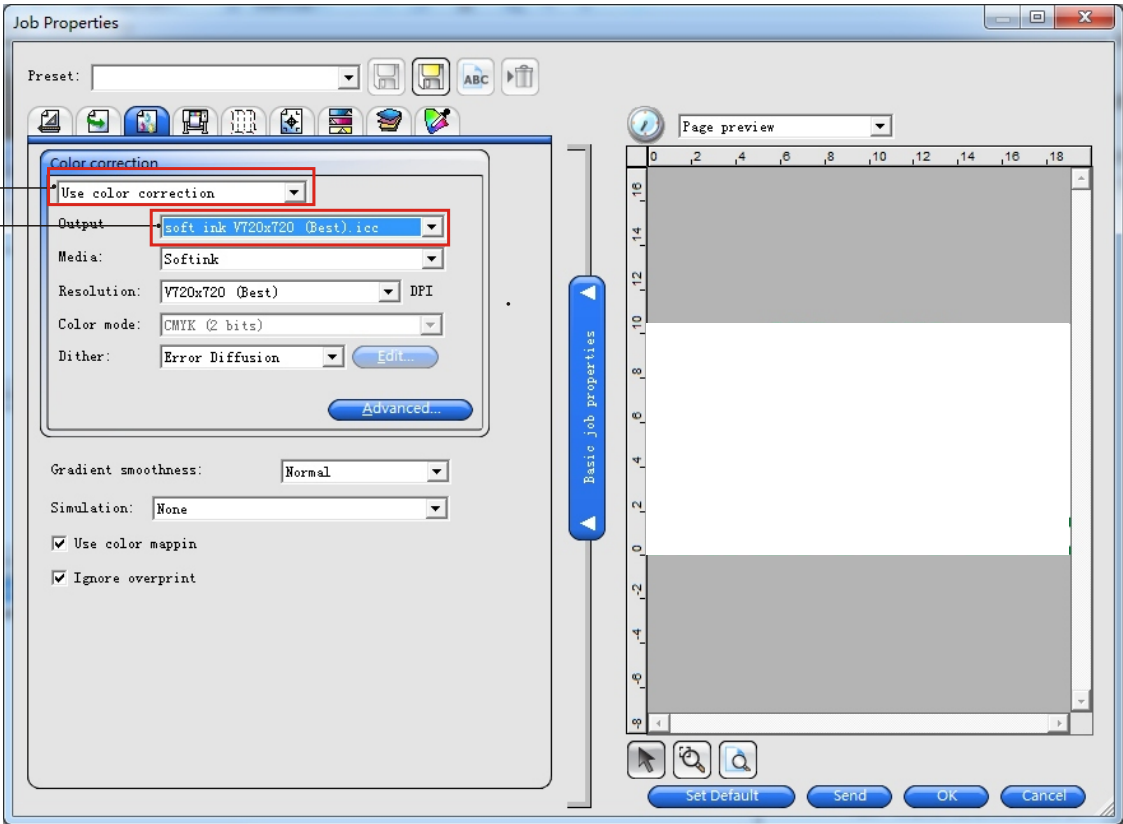
3.5 Install and Operate the Software

Normally choose hold. After printing, job settings will stay in job list.

Repeated printing
If necessary, select this function.



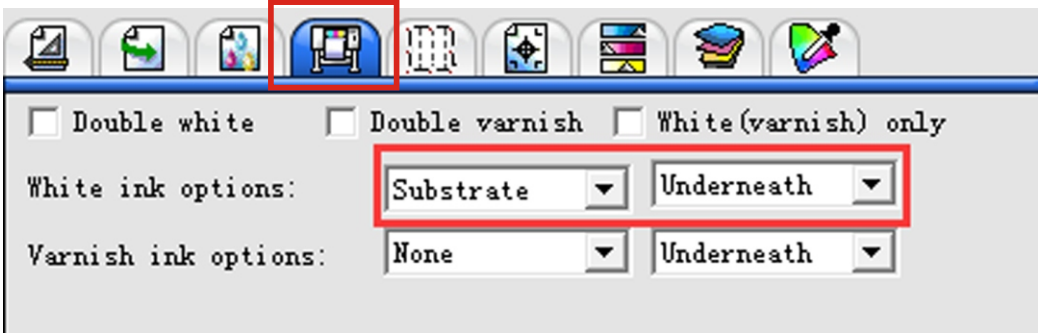
Use color correction
Select resolution.
720x720 is recommended



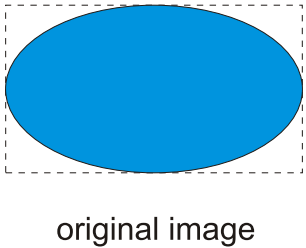
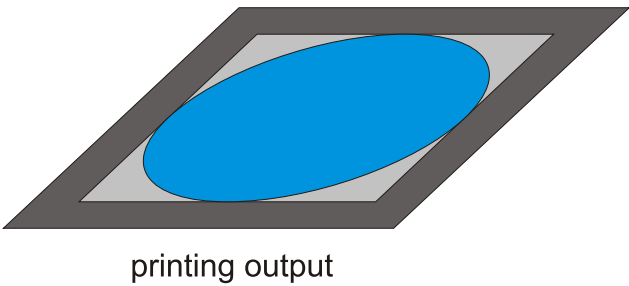
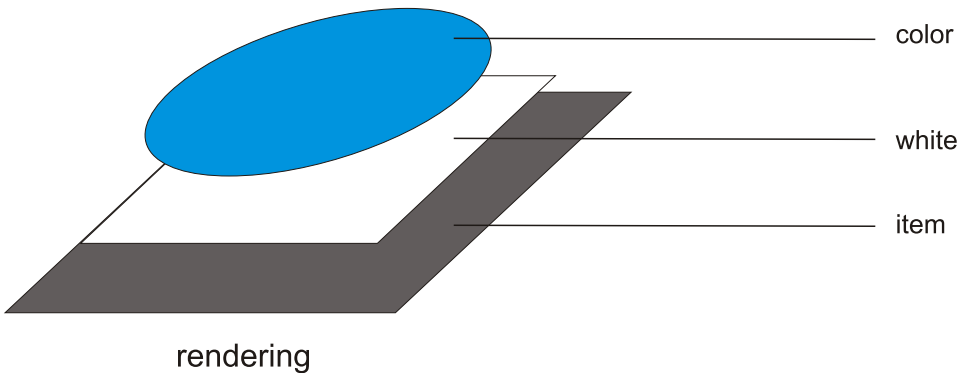
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

A: Substrate and Underneath



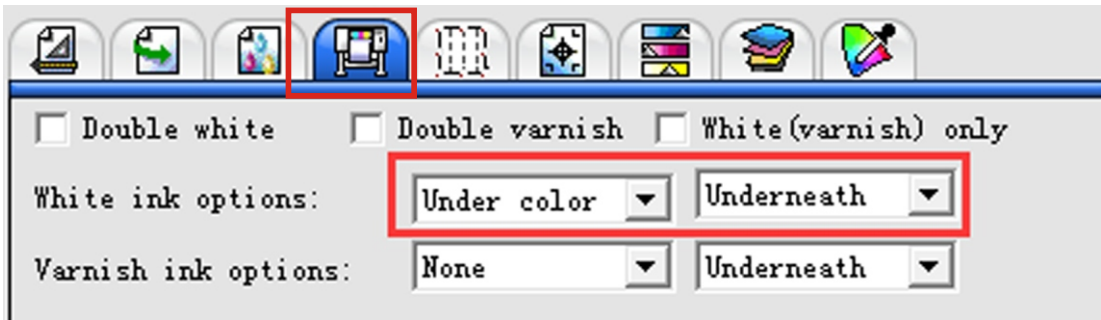
For items that users want to cover the surface by the printing with full job size white base.
Choose Substrate and Underneath as the picture above shows.



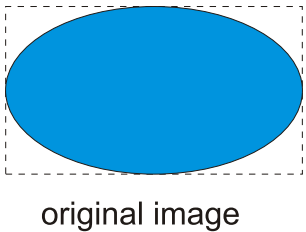
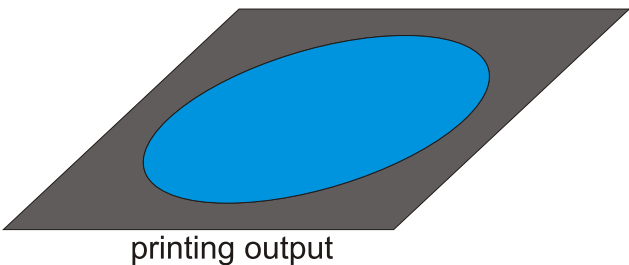
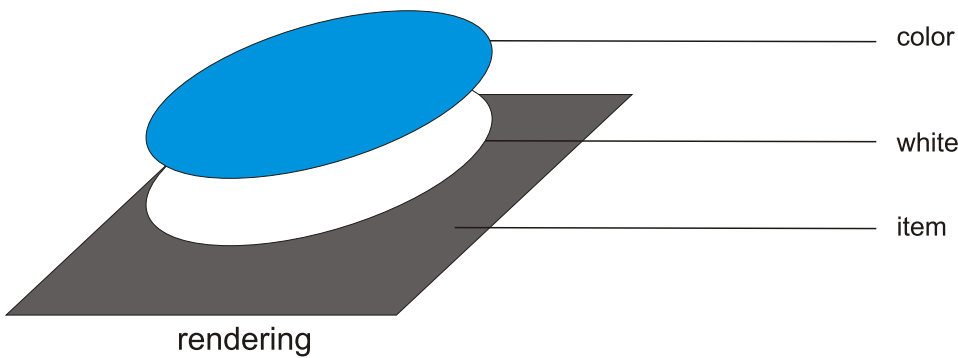
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

B: Under color and Underneath



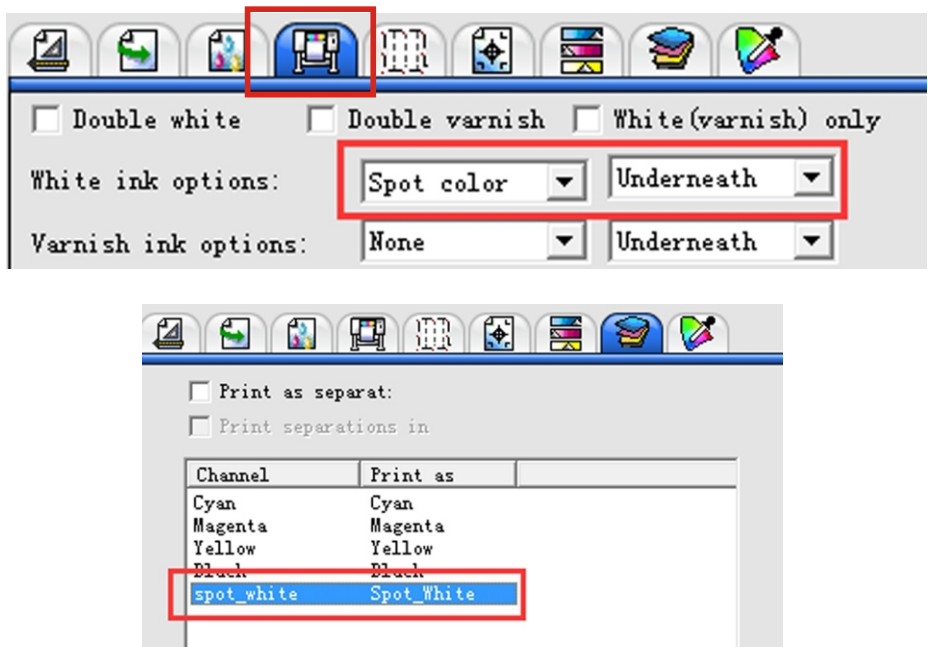
For items that user wants to print white base only under CMYK area. Choose Under color and Underneath as the picture above shows.



3.INSTALLATION AND OPERATION

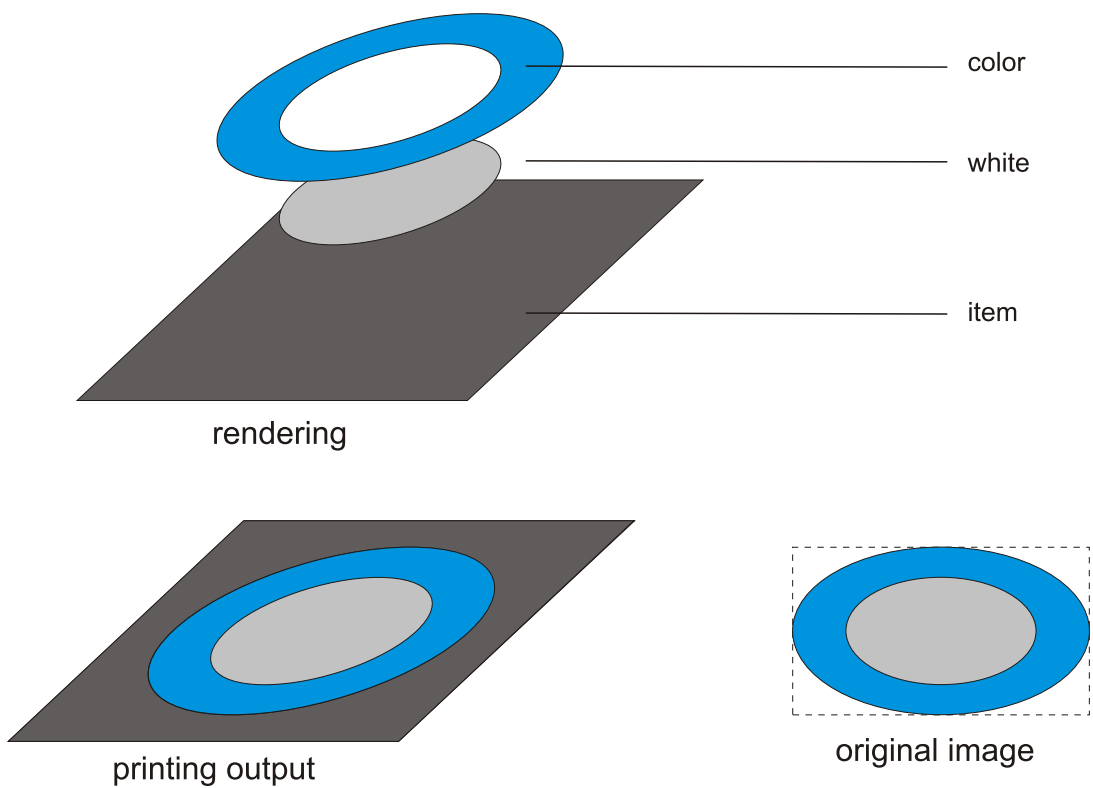
3.5 Install and Operate the Software

C: Spot color and Underneath



For items that user wants to print white only in specific area.
(That specific area should be create as **spot_white** channel previously in Photoshop.)

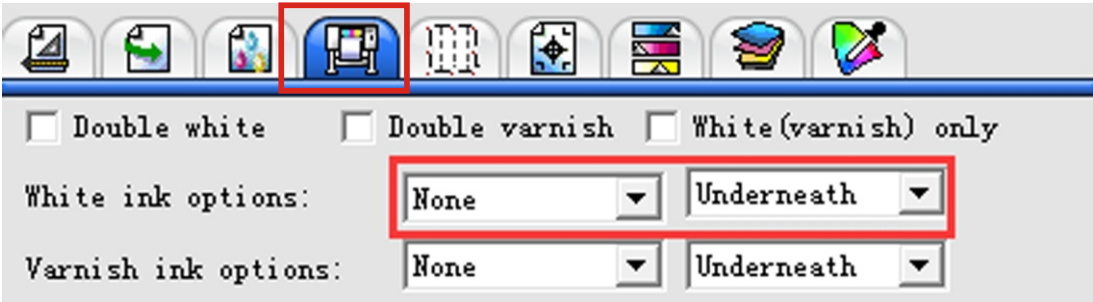
Choose Spot color and Underneath as the picture above shows.



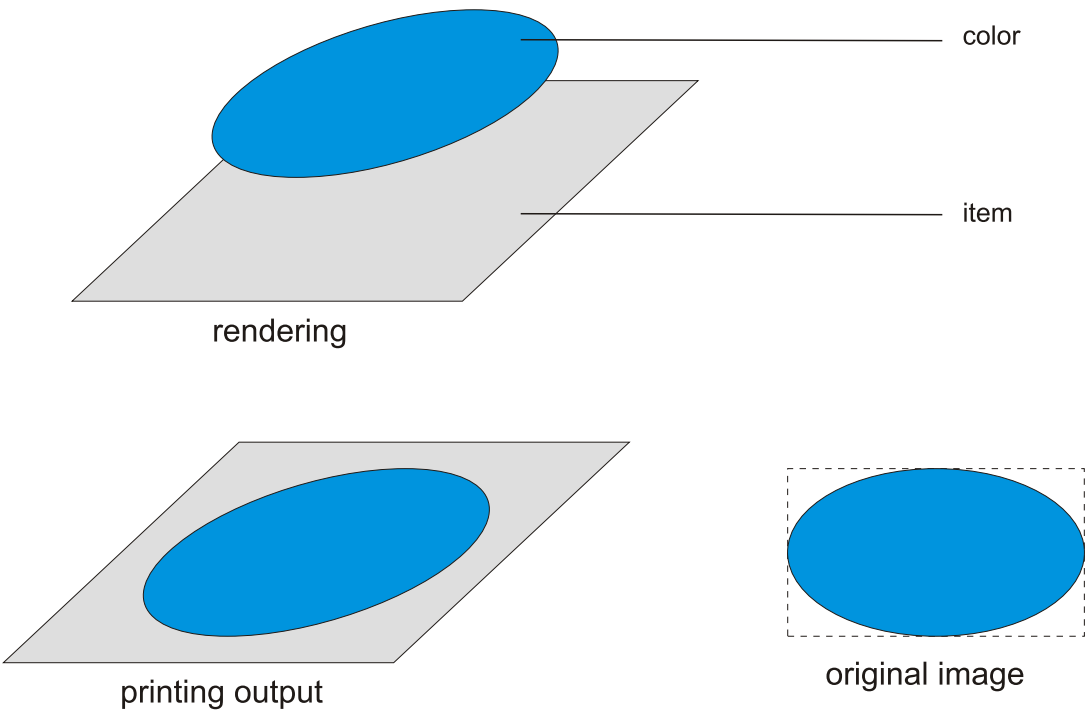
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

D: None



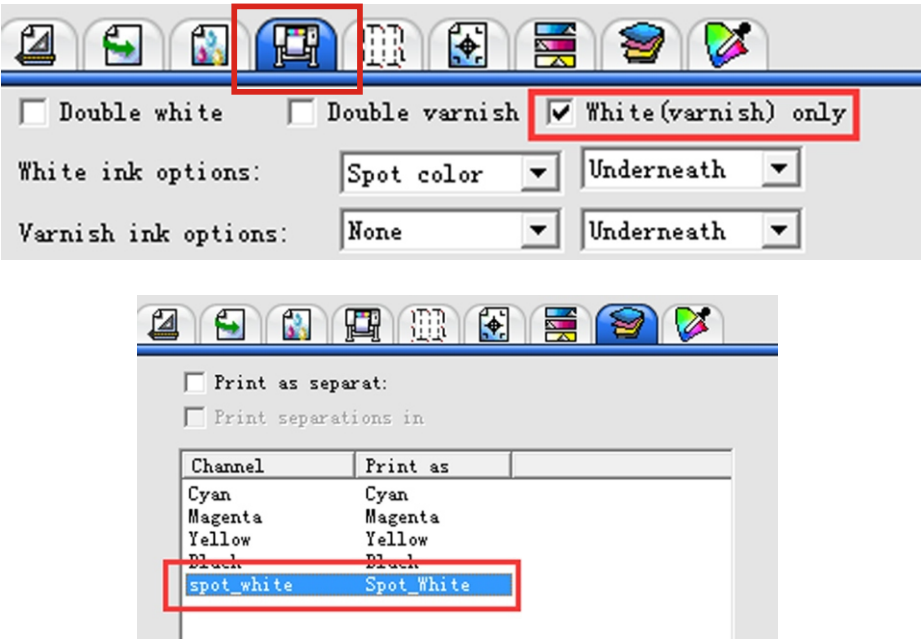
For items that user wants to print color only.
(For example items with white base)
Choose None and Underneath as the picture above shows.



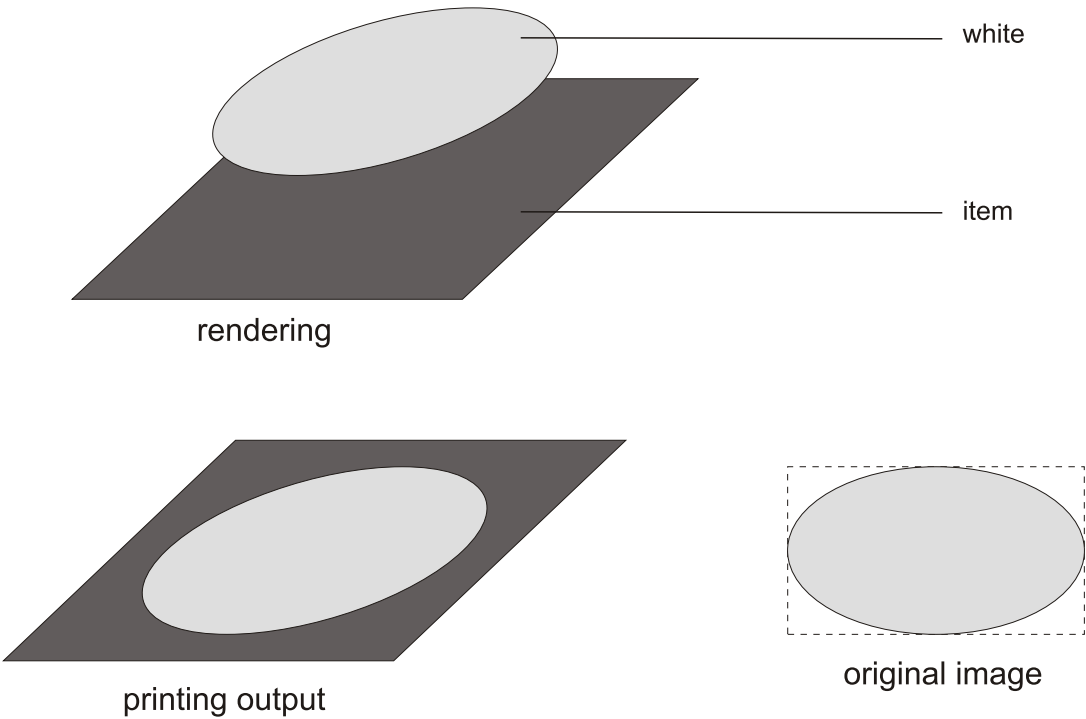
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

E: White only



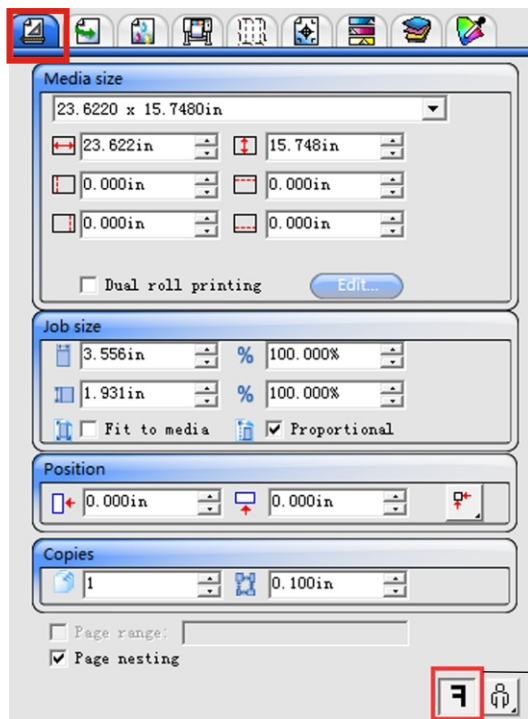
For items that user wants to print white only.
Choose White(varnish) only as the picture above shows.



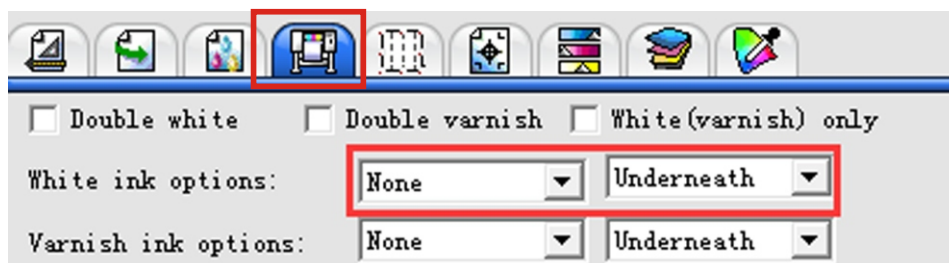
3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

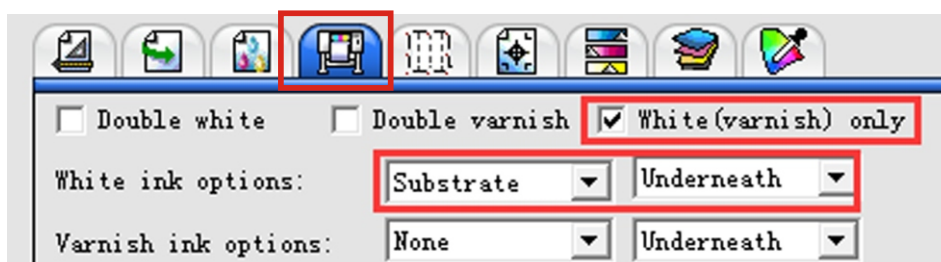
F: Mirror mode



1.Click this to use mirror mode



2.Choose None to print color on item in first printing.



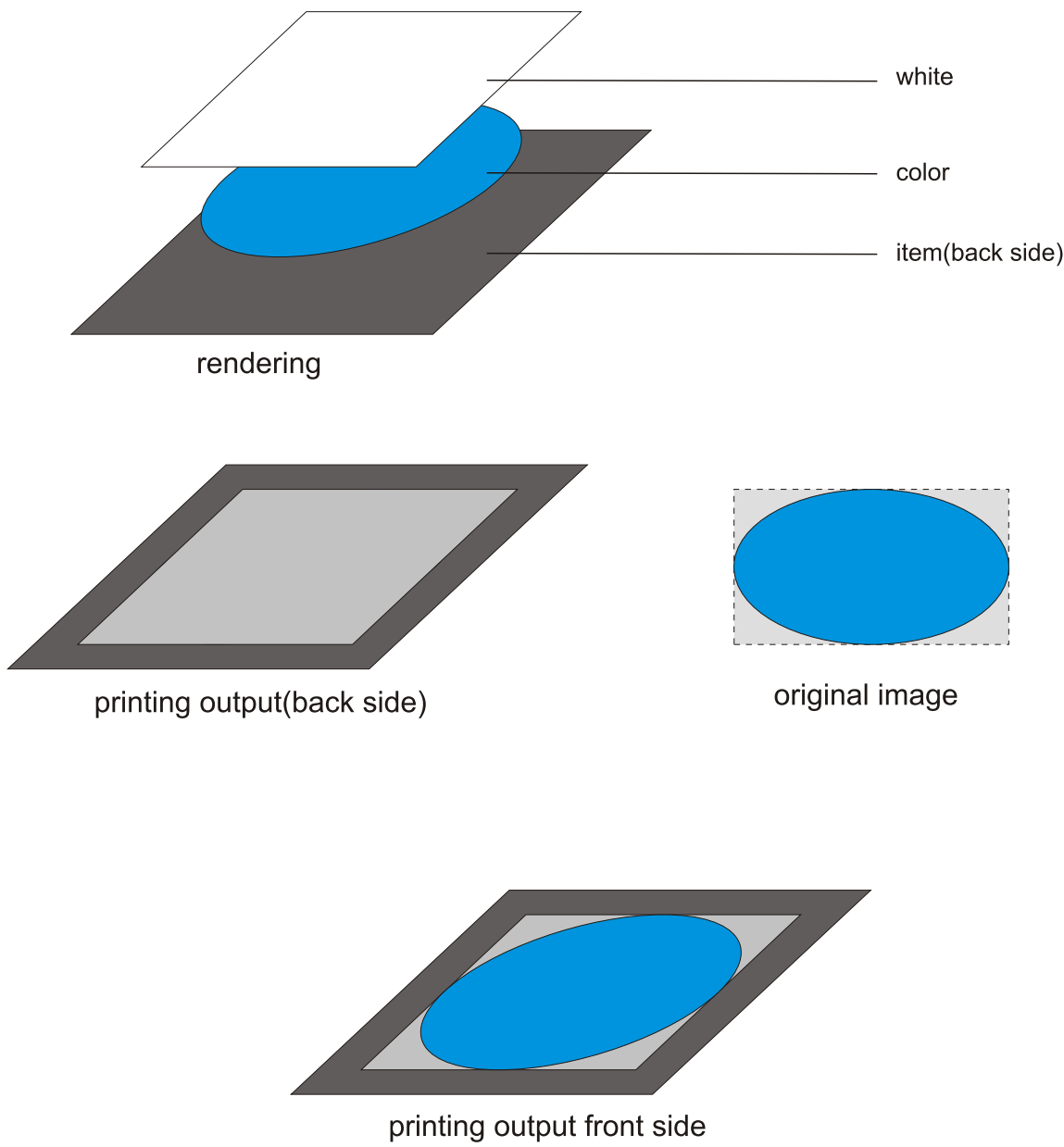
3.After first printing, choose Substrate to print white on color in second printing.

For items like glass, crystal and transparent acrylic, if user wants to print on the back side and see from the front side. For better quality, we need to print it two times.

Above are the 3 steps of settings to finish the printing.

3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

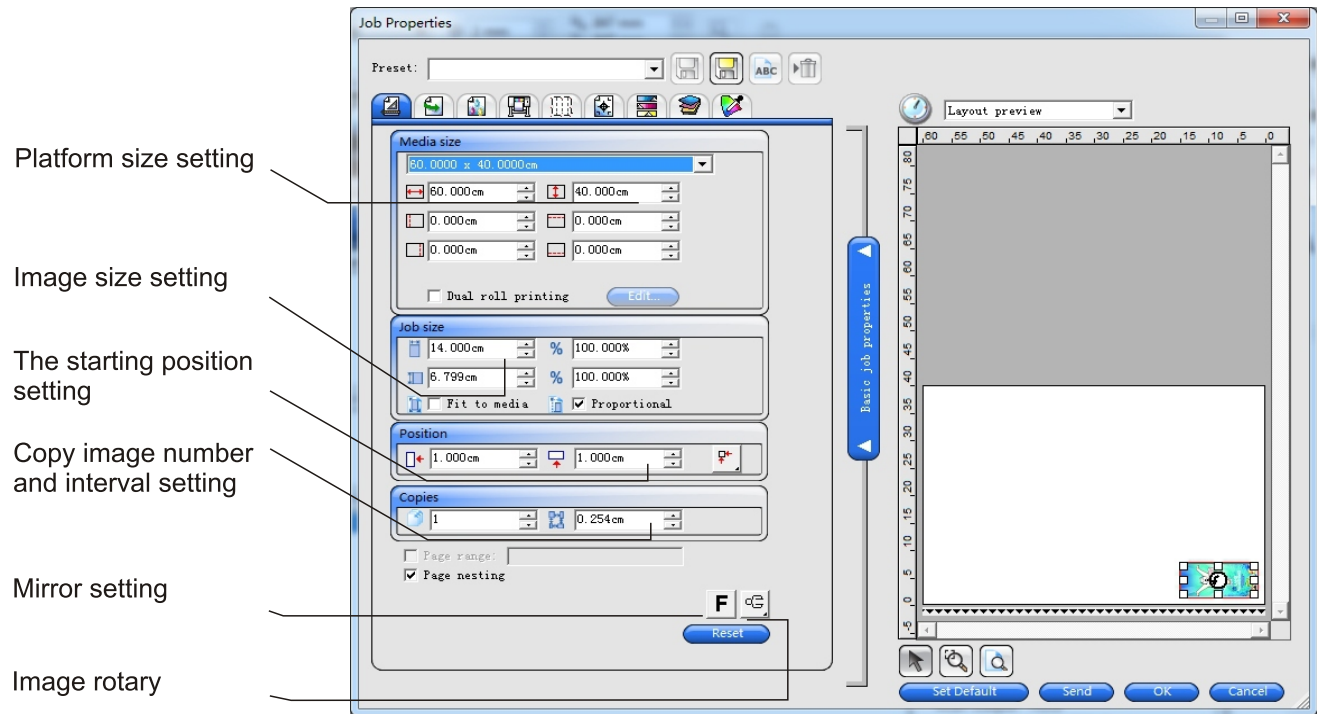
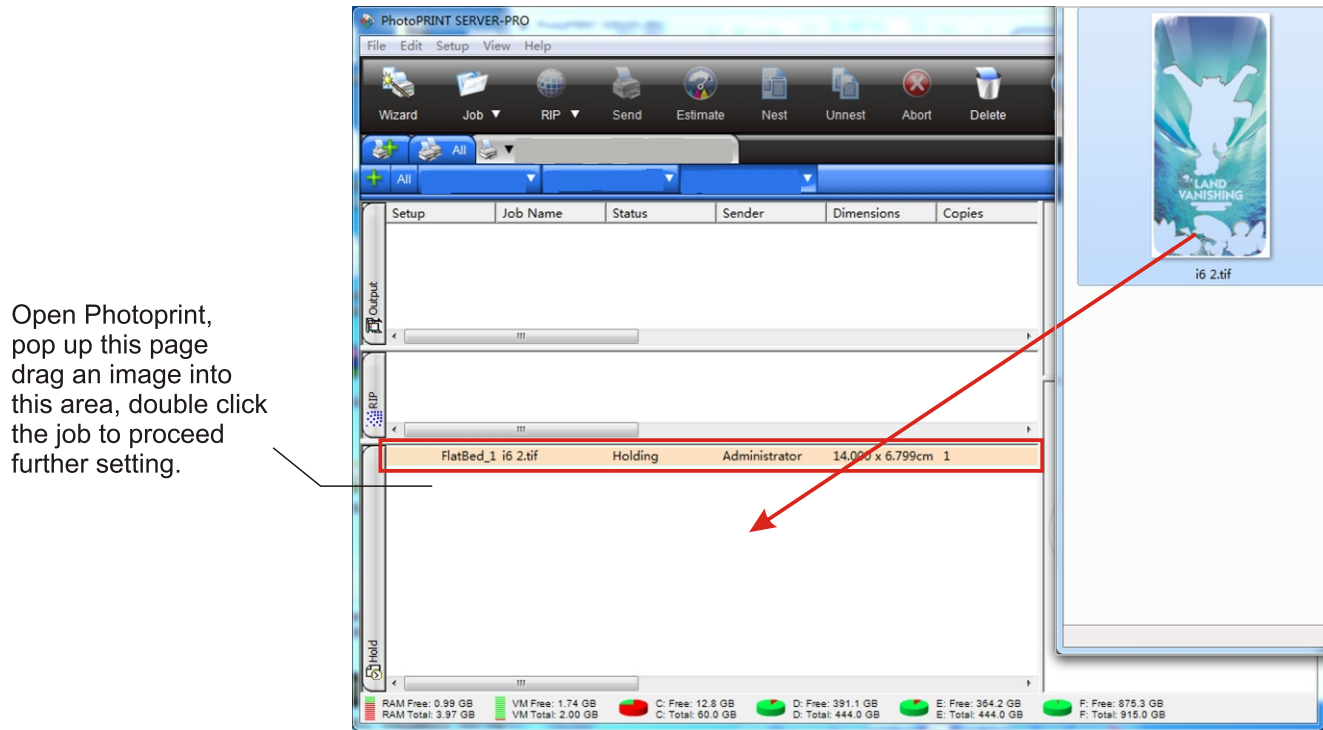


3.INSTALLATION AND OPERATION

3.5 Install and Operate the Software

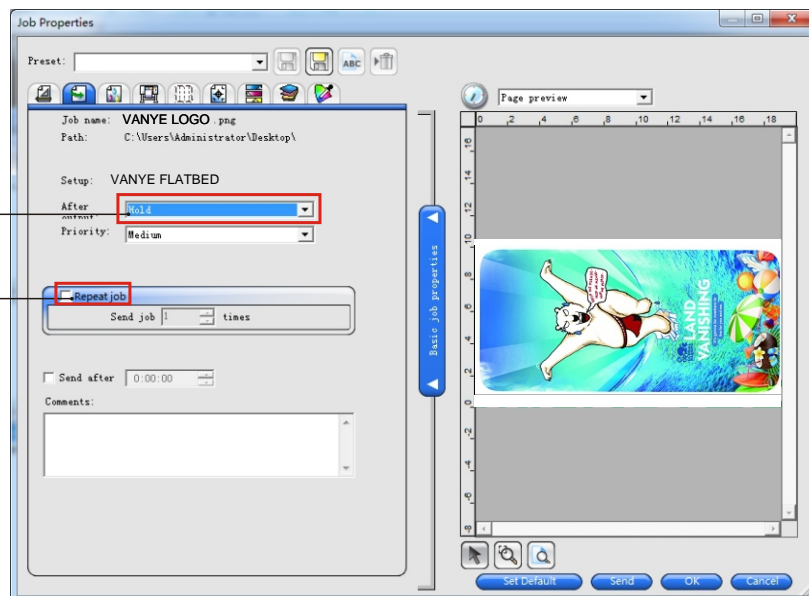
5 Instruction for Setting

For example, image path is in *E:\usb-disk*, you can open the folder and directly drag the image to this area.

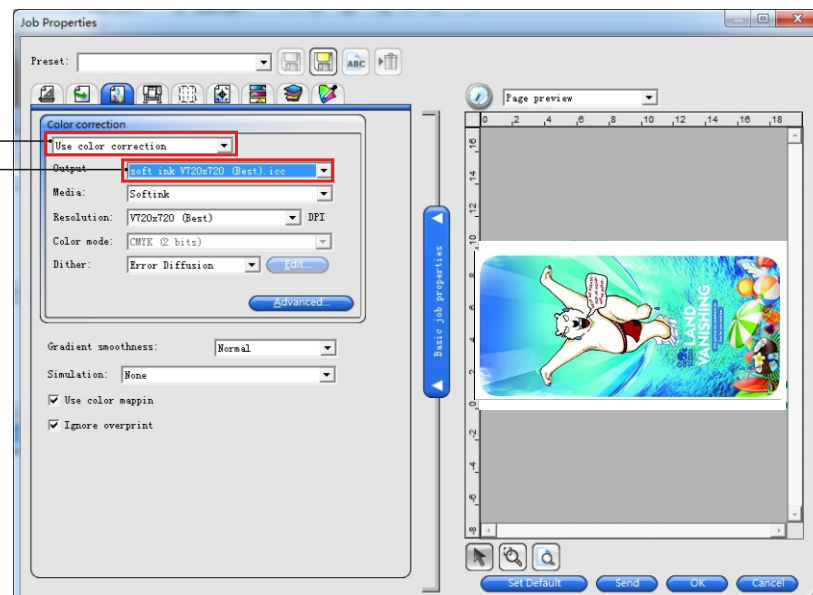


Select hold to save image and settings; Select delete to delete image automatically.

Repeated printing



Use color correction
Select resolution. Higher resolution with slower speed
720x720 is recommended.



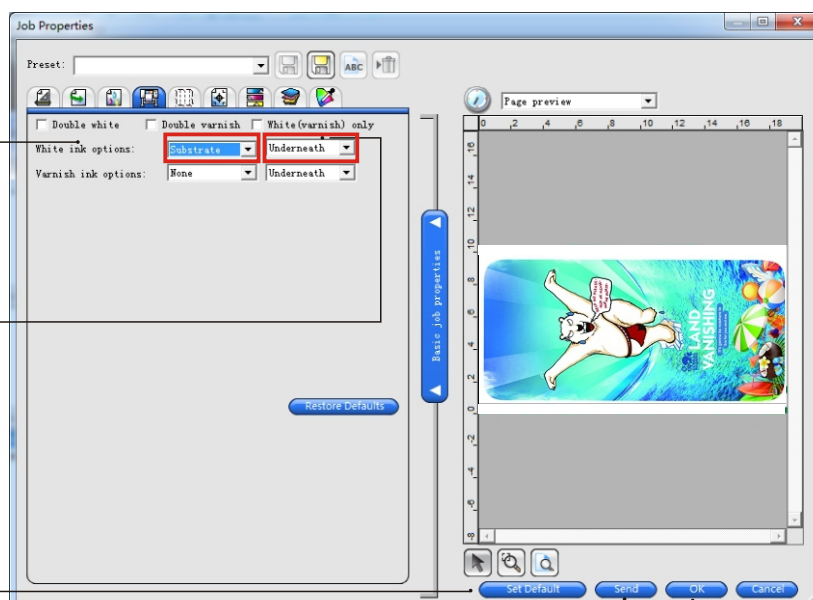
White ink option:

- A. substrate: full white
- B. under color: white under colors
- C. none: No white
- D. spot color: only print white where you set spot channels previously in Photoshop.

- A. underneath: White ink under color ink
- B. overlay: White ink above color ink.

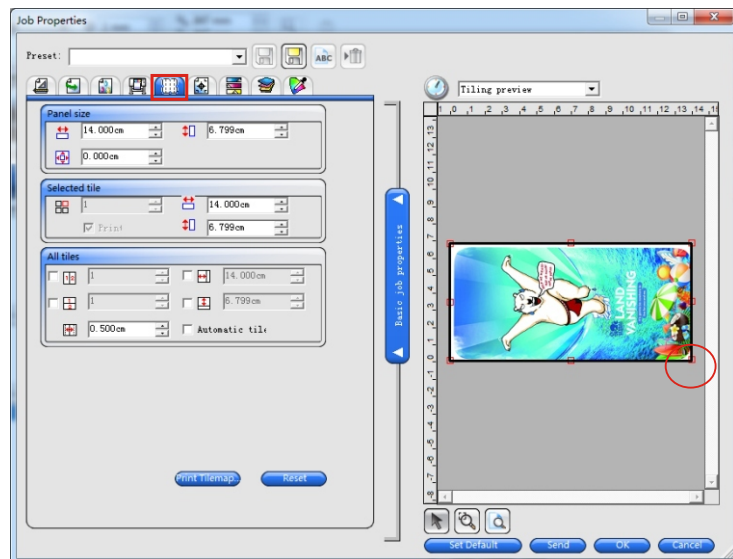
Click to Save default setting to make settings automatically used.

Printing start

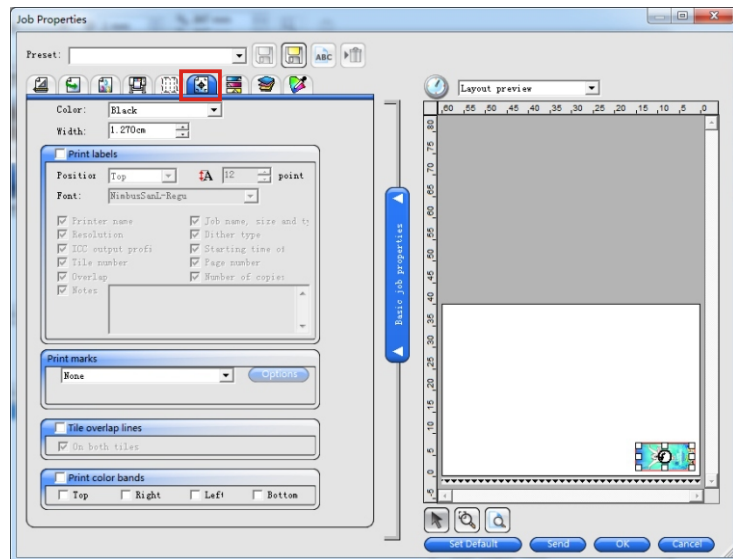


Save settings

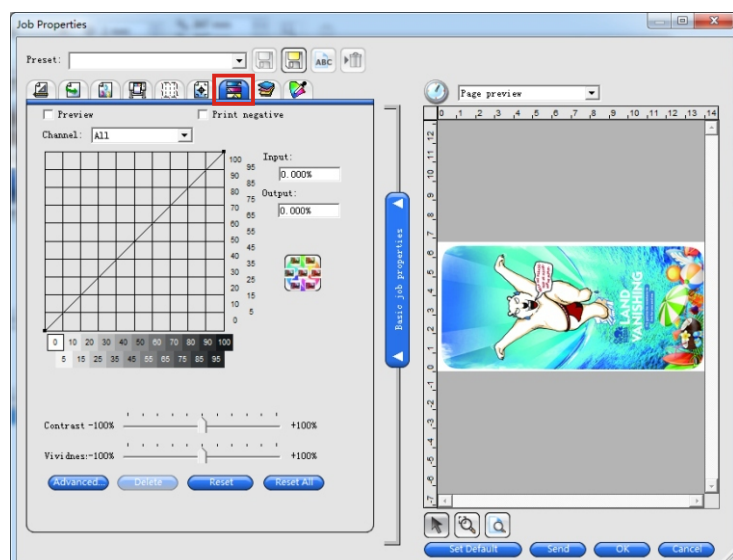
In this page, you can simply cut the image.



In this page, you can print marks of the job if needed.



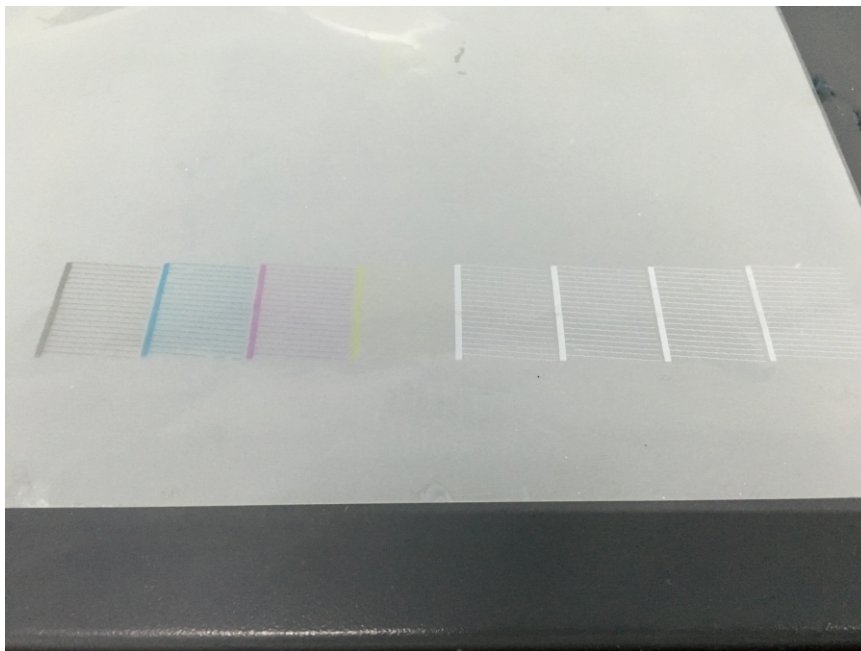
In this page, you can adjust the contrast, vividness or color if needed.



4.SAMPLE PRINTING

4.1 Pre-requisite

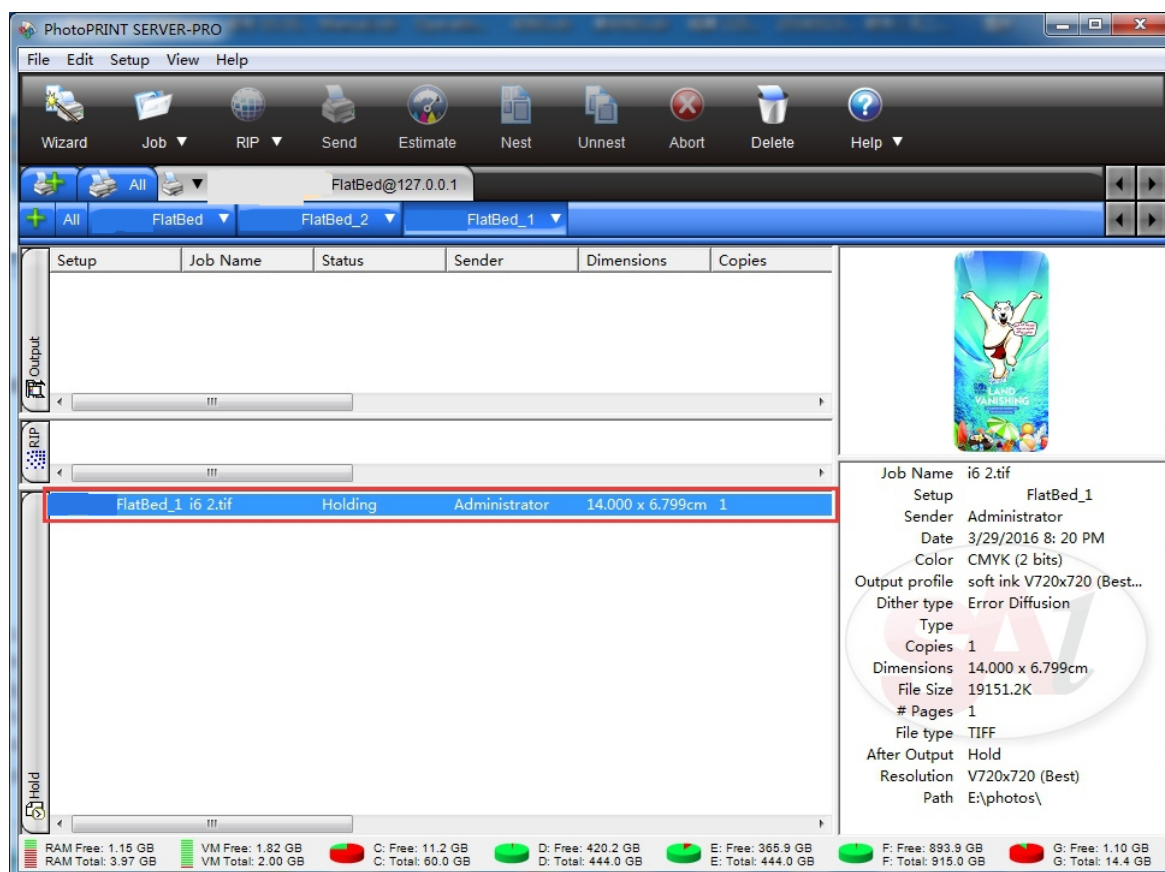
The printer is installed as previous description,
press test button to print the completed nozzle checking picture.



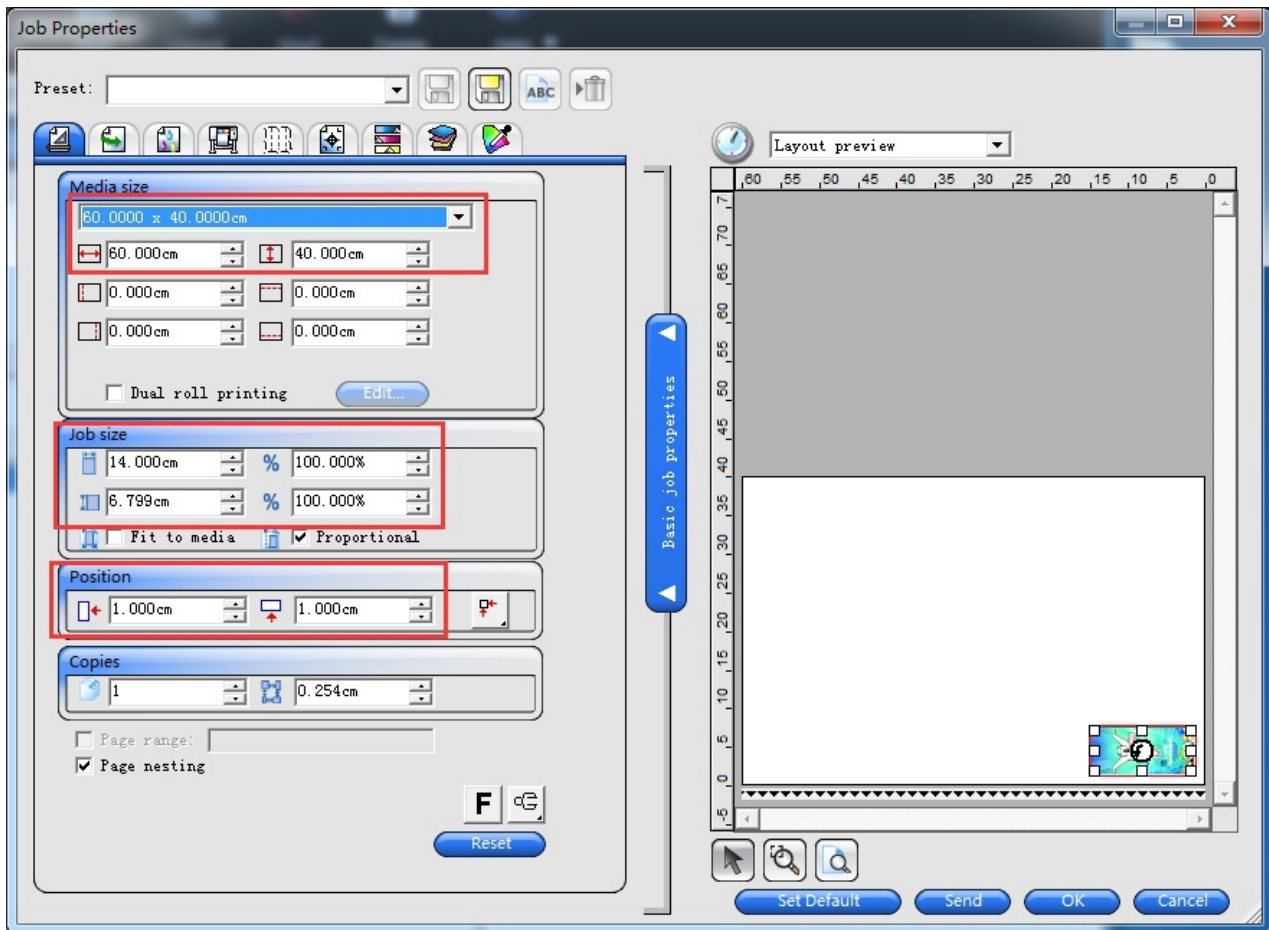
As shown on left
it's a perfect test.
If there is little
tiny missing
of the test
it's acceptable.

4.2 Printing process (For example: Print on cellphone case)

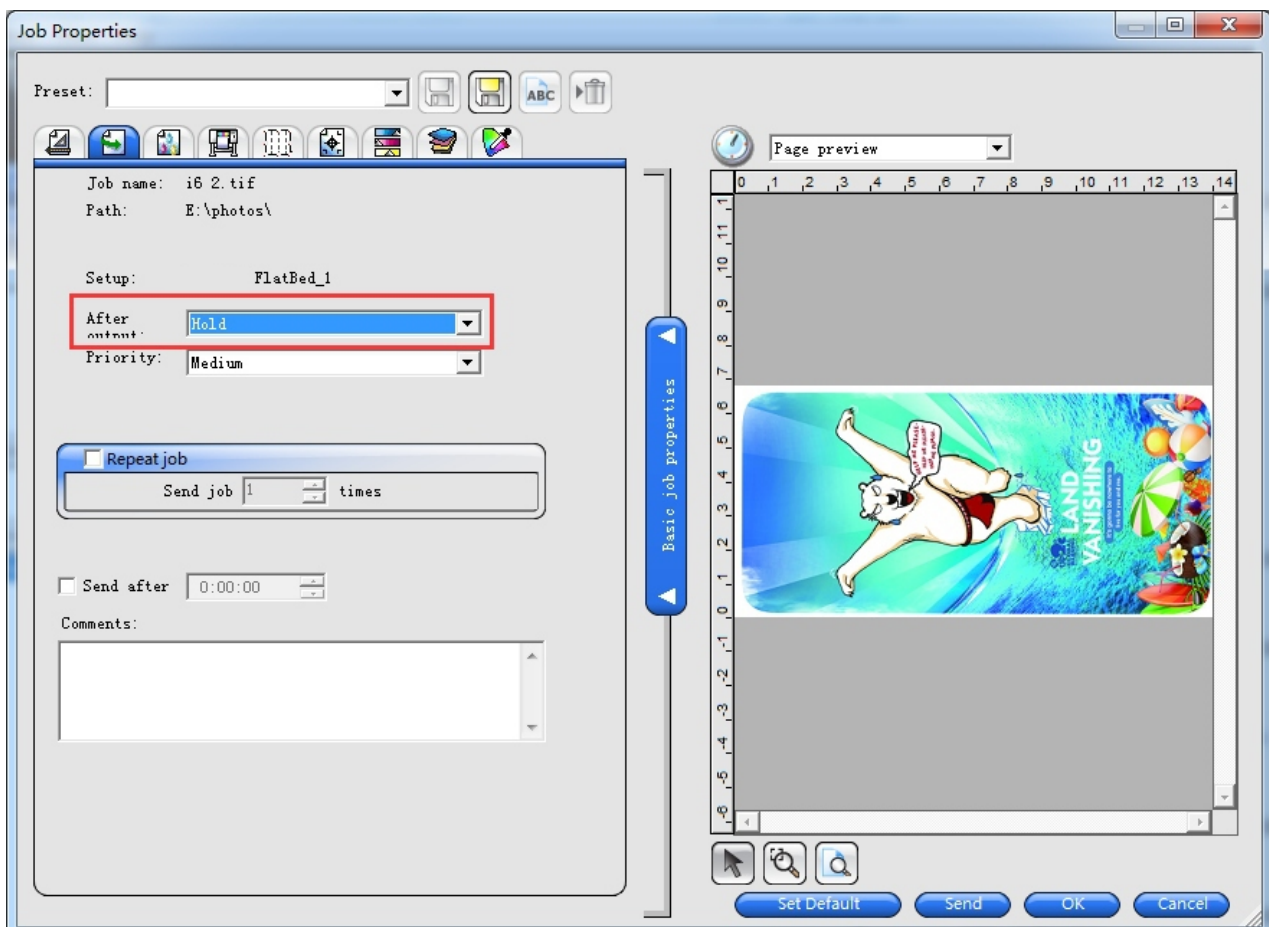
All software and driver installed. Open software and the machine is in online status.



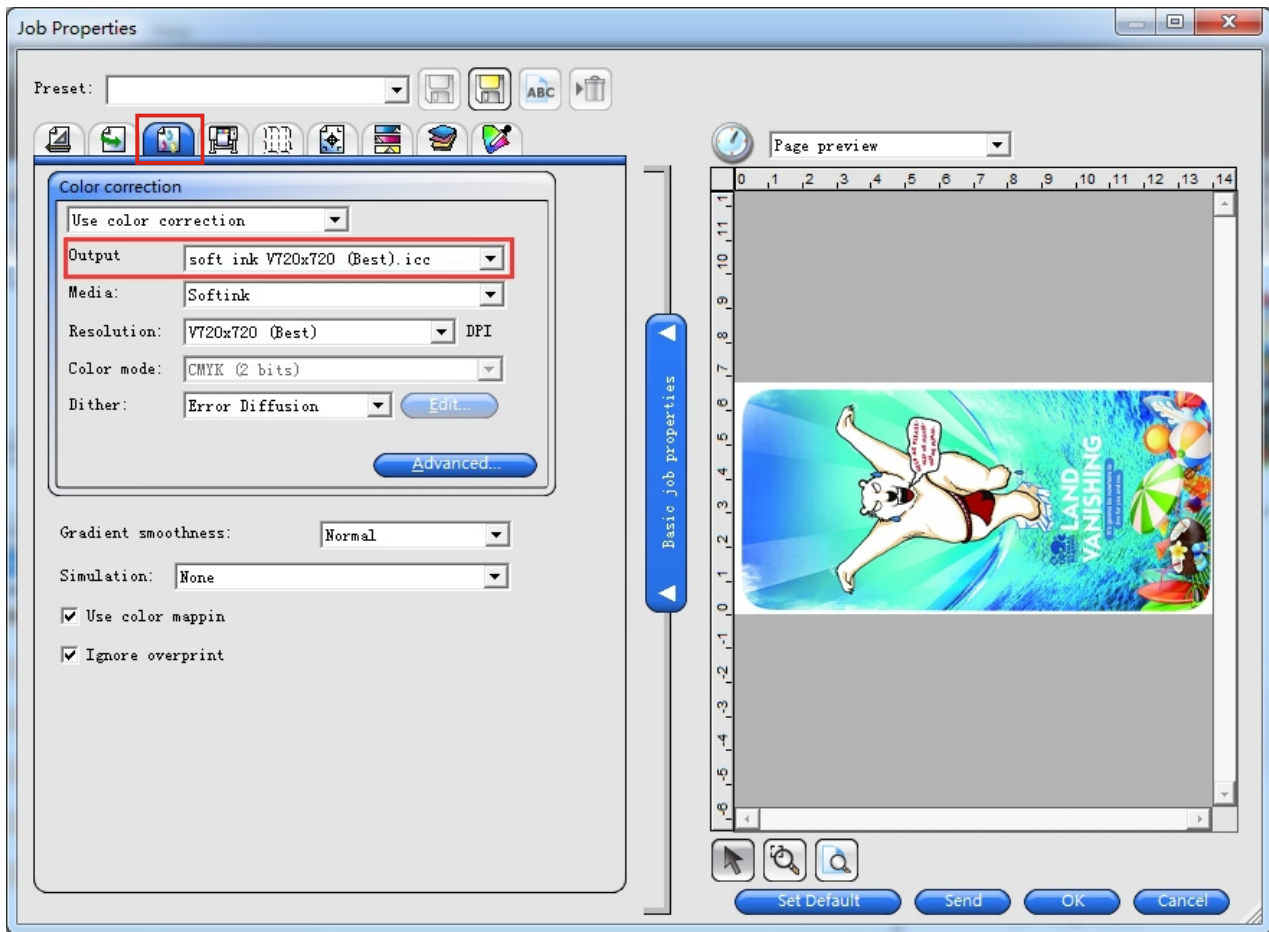
Copy the image **i6 2.tif** to your pc from the usb-disk,
drag it directly to the job list of the software.



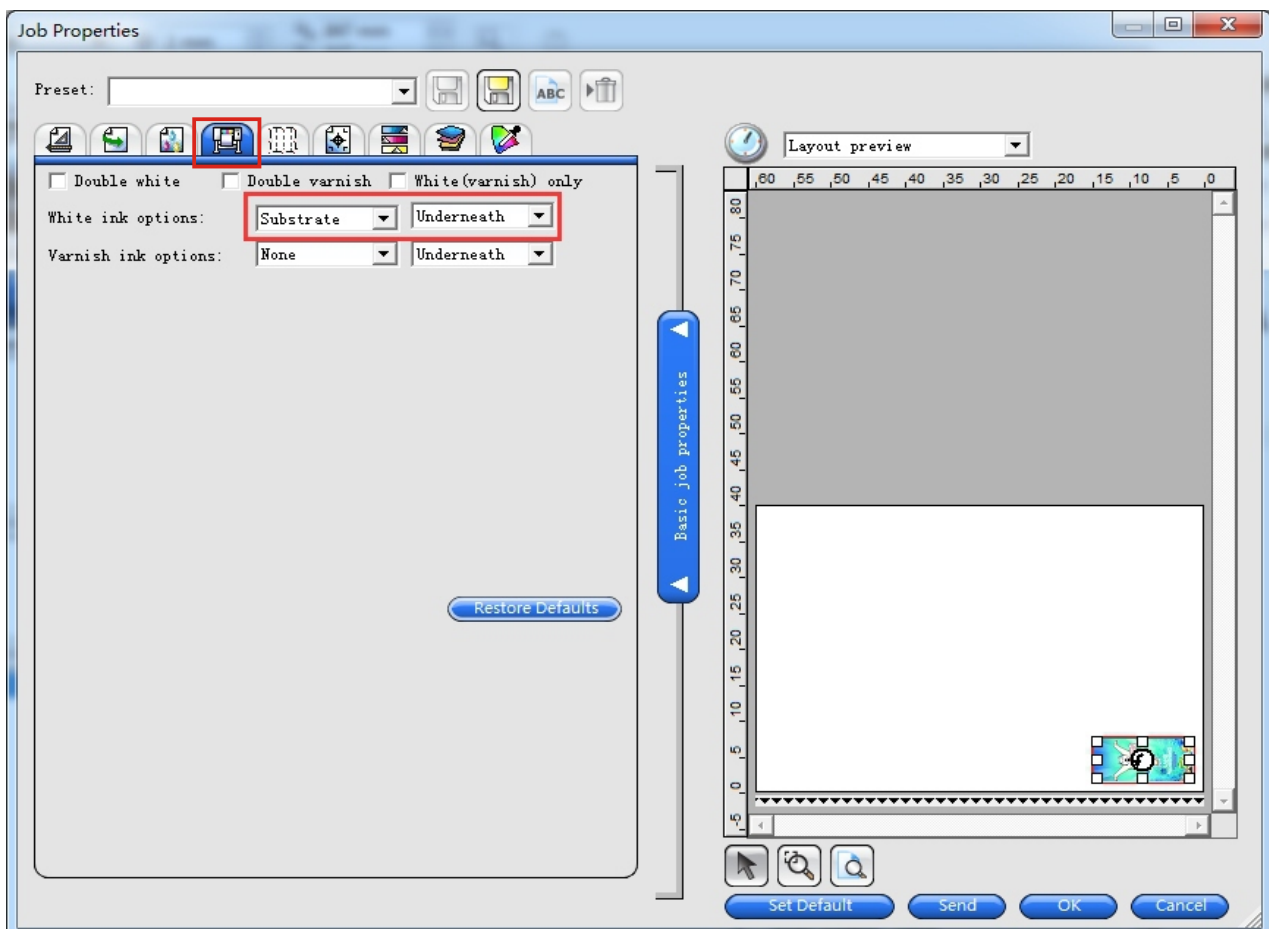
Media size, job size and position settings are shown as above.



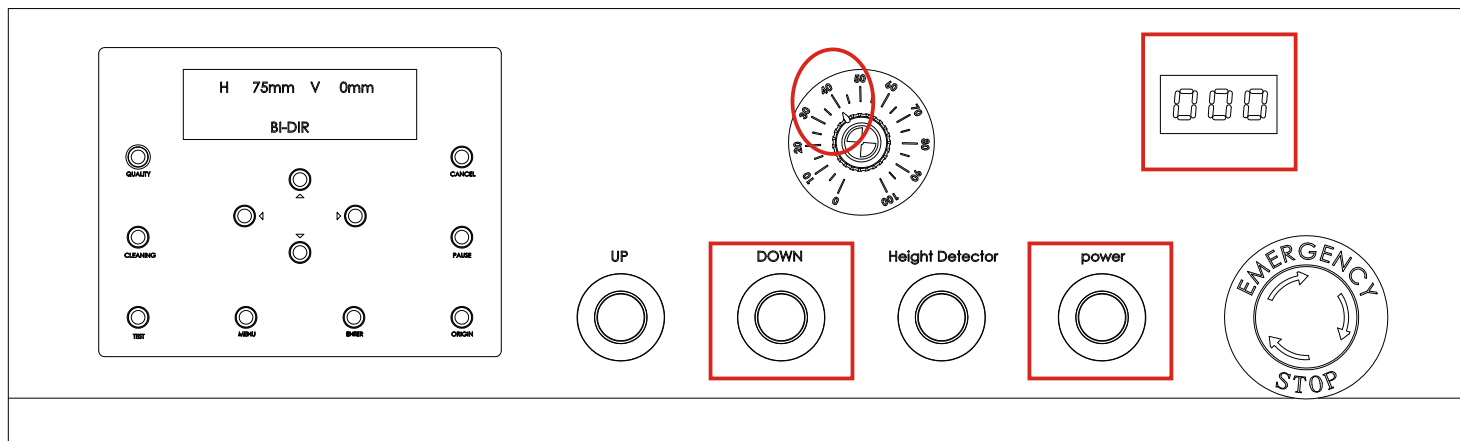
Choose whether to hold the job and settings after printing



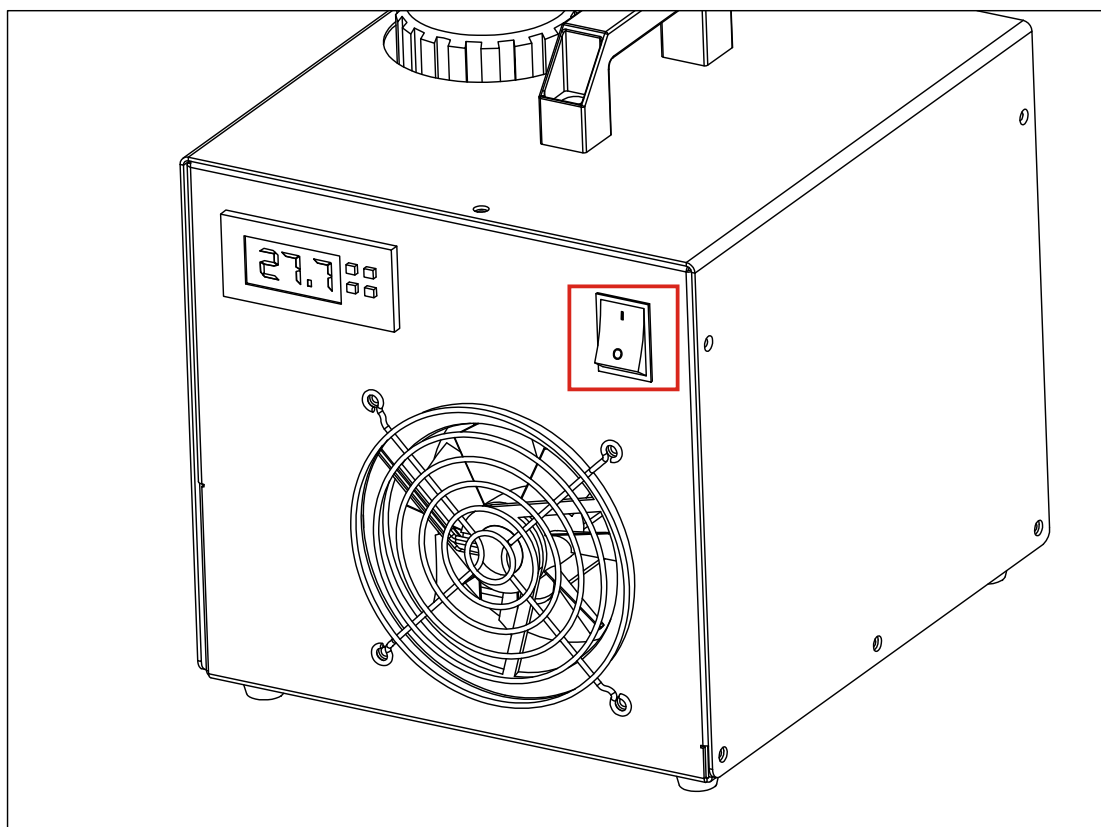
Icc settings are shown as above.



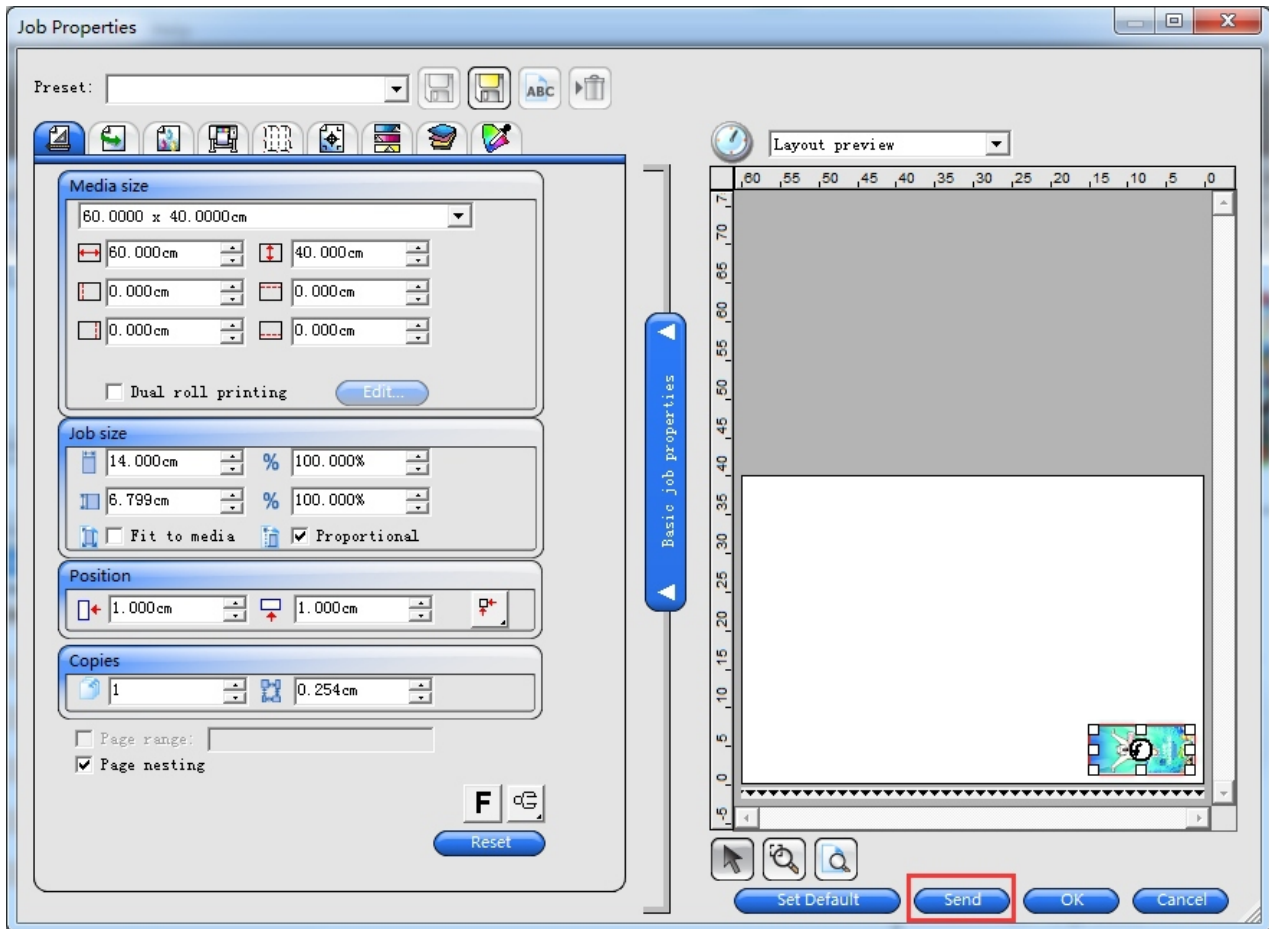
White ink option settings



Power on the machine
press down to adjust the height to 000
and adjust the UV brightness to 40%



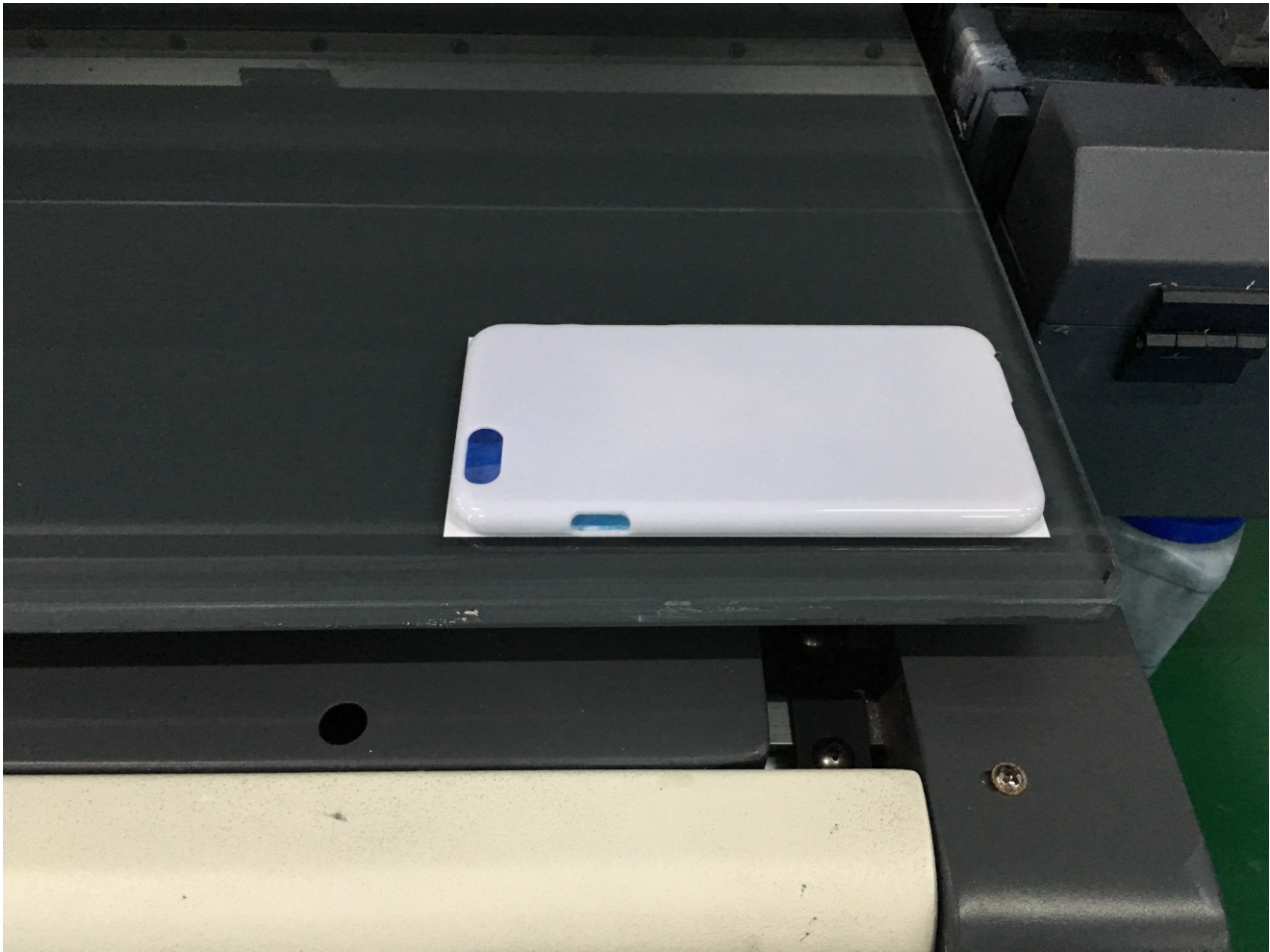
Turn on the uv power switch



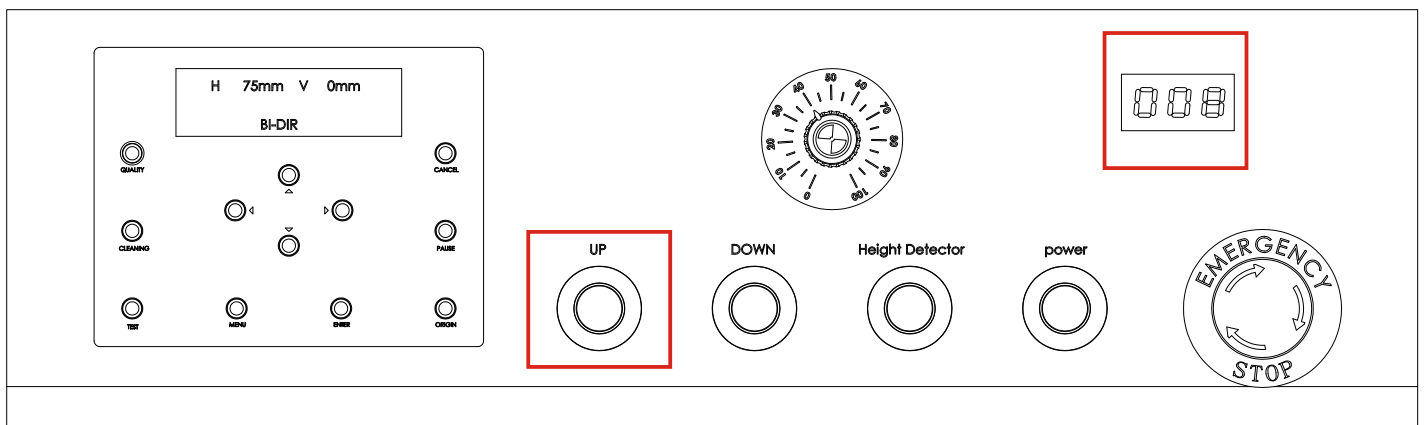
click Send and the job will be printed
OK button is to save the settings.



finish printing on the platform

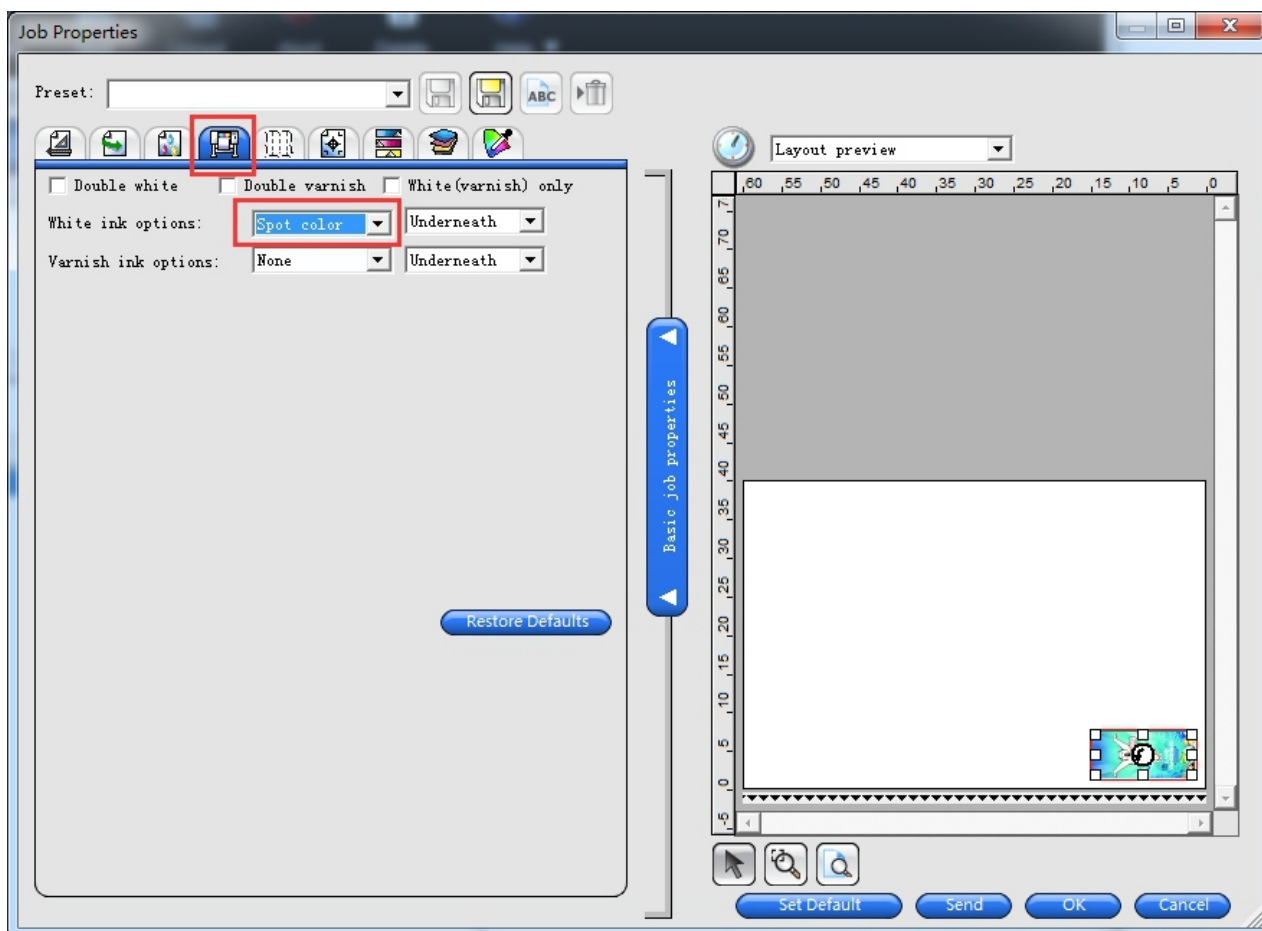


take out the phone case from the package,
then place it on the position of printing

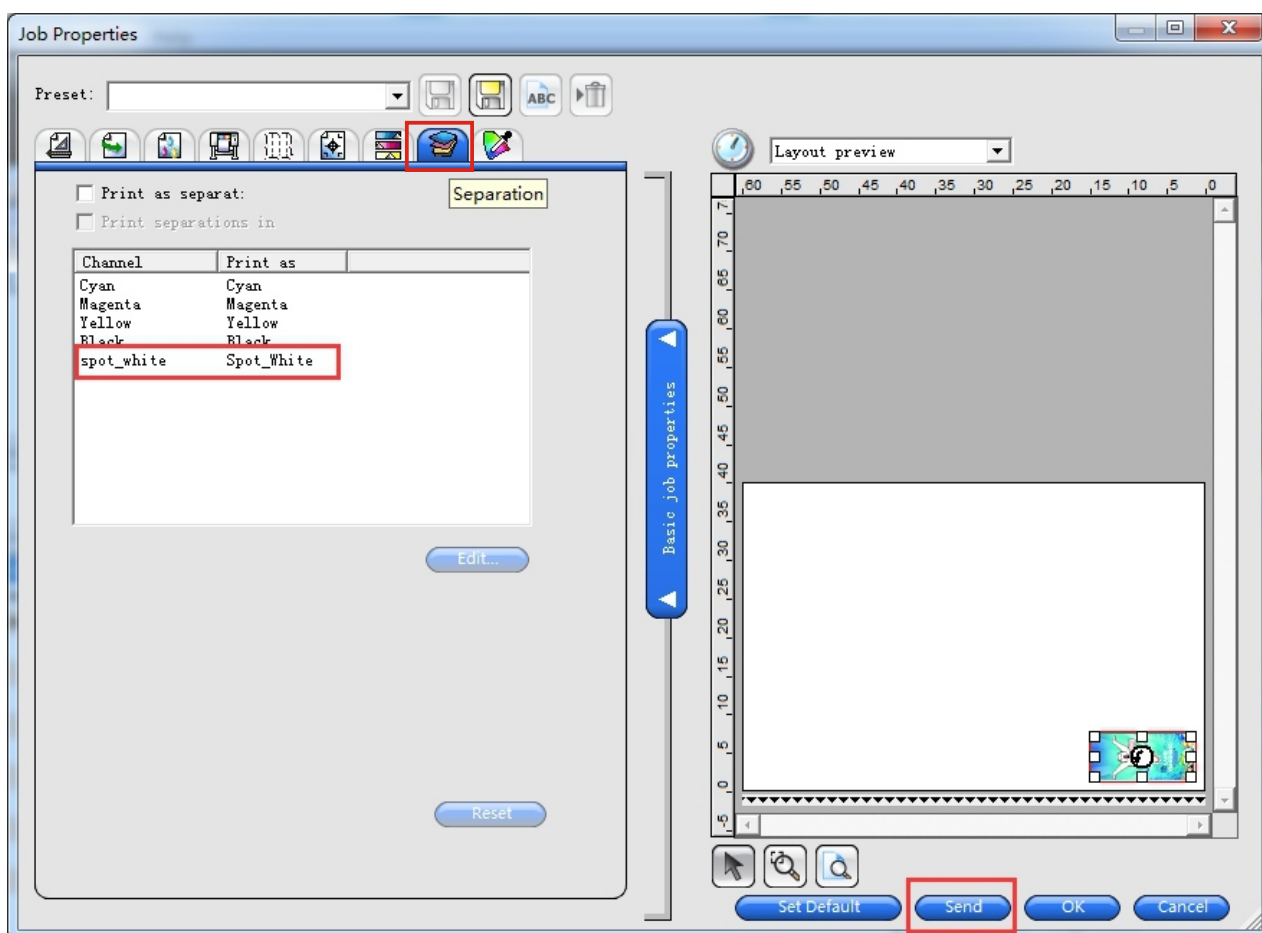


press up till the height is adjusted to **“008”**

*If your software is DX PLUS version, follow the steps in this page.

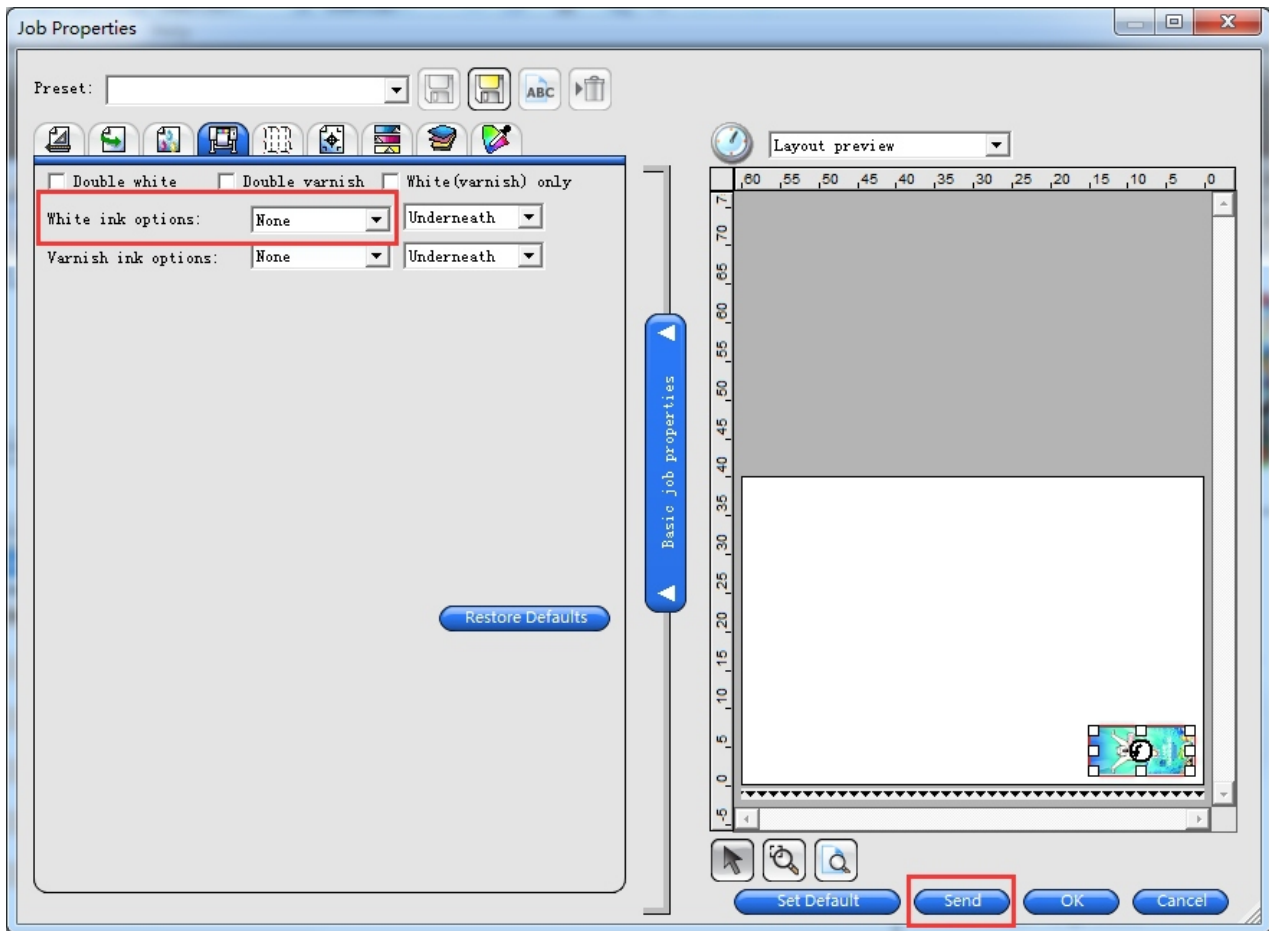


choose spot color in Printers Options



choose spot_white in Separation then click Send to print the job

If your software is DX version, follow the steps in this page.



choose none in Printer Options then click Send to print the job



phone case printing finished

4.SAMPLE PRINTING

4.3 Precautions

Pre-cautious Preparing	Pre-cautious Image Choosing
<ol style="list-style-type: none">1. The sample surface should be cleaned2. Use pre-treatment solution oil on glass or some metals before printing.3. Use bi-direction printing for flat surface Use uni-direction for curved surface4. Flat bottom sample can be directly placed on the platform and easily moveable should be fixed by tape or moulds. The leather or plastic film should use vacuum table.5. Check UV brightness according to sample distortion. Generally set at 30-40. Easily heated and distorted set at 20-30. In the real operation, use the lowest brightness at curing. Low brightness can prolong the UV Lamp lifetime.	<ol style="list-style-type: none">1. HD image can improve the printing quality.2. Adjust the image size and share to fit the sample3. Add image brightness and contrast ratio in Photoshop for better quality.4. If print spot color, build spot color channel in Photoshop in advance.
Cautions Software Settings	Cautions of Machine Parts
<p>Cautions Software Settings</p> <ol style="list-style-type: none">1. The pic size and position setting, and direction.2. Select whether to use Mirror Printing.3. Select whether to save after printing.4. Select ICC file and resolution, generally choose 720*720 resolution.5. Select the use of white ink;6. Select the Underneath or Overlay .	<p>Machine Parts:</p> <ol style="list-style-type: none">1. Adjust the distance between the printhead and the printing surface: general is 1-2mm, when printing plane thermal deformation, should elevate moderately in advance. Generally printing height can be adjusted by the height switch, transparent & hollow samples should be adjusted manually.2. Select the Uni-direction or Bi-direction according to the sample flatness.3. Adjust the brightness of UV light according to the samples degree of deformation and ink amount.

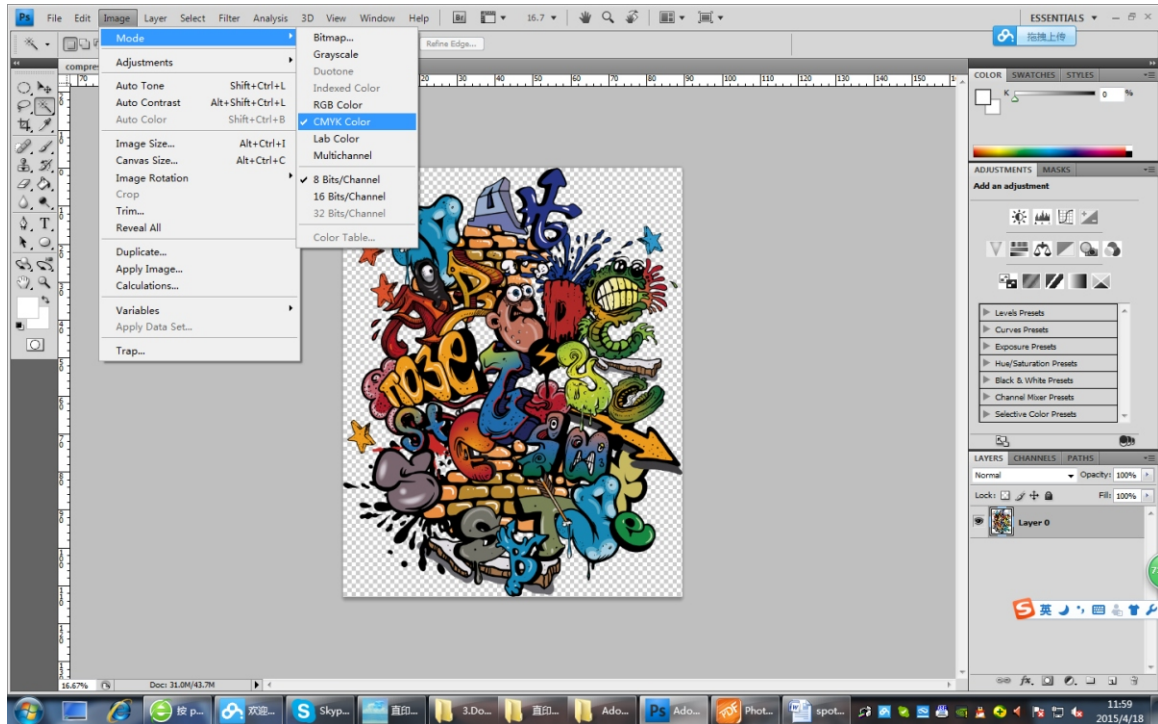
4.SAMPLE PRINTING

4.4 To Print Spot White

When you want to print white ink at the area where you design them, you need this spot white function. You can design the area in a picture where you want to print white in PhotoShop first. Then output the picture and print it with PhotoPrint DX Plus version RIP.

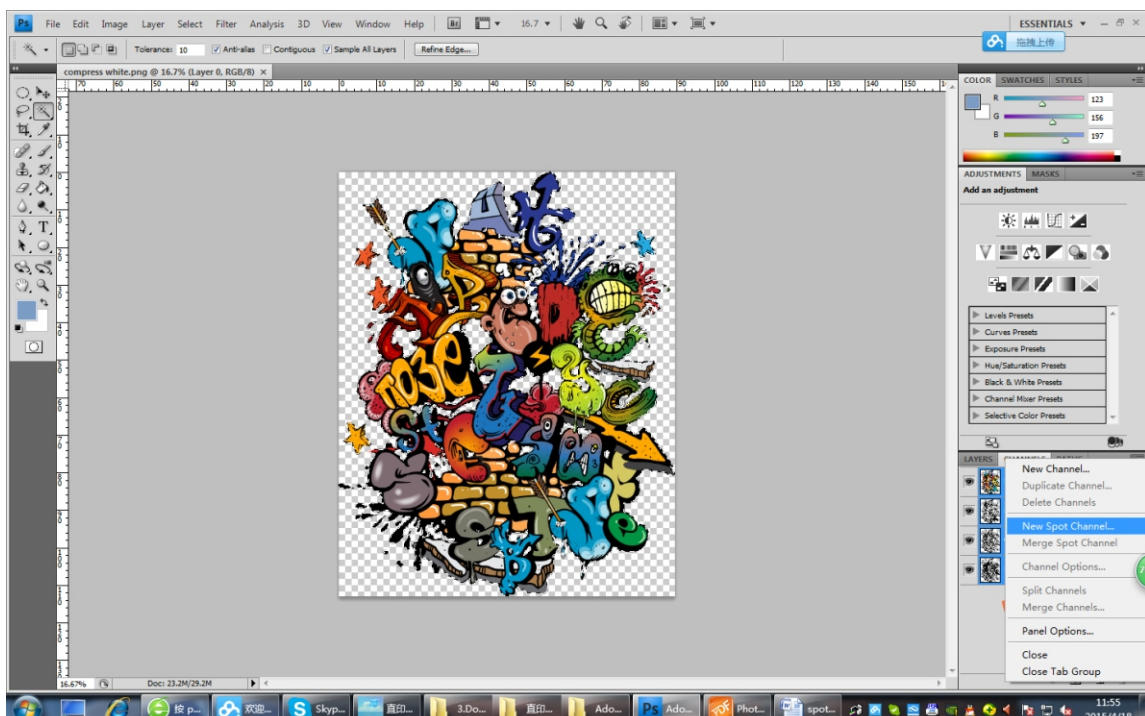
4.4.1 How to design spot white in PhotoShop.

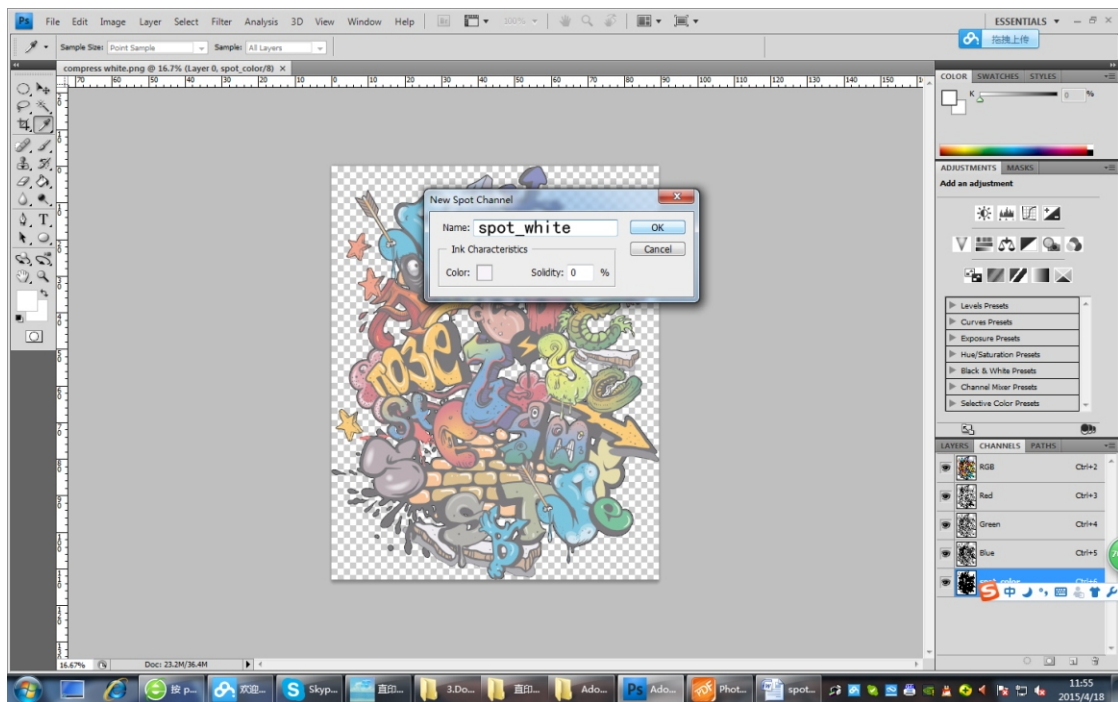
(1) Add a picture into PhotoShop and change it into CMYK mode.



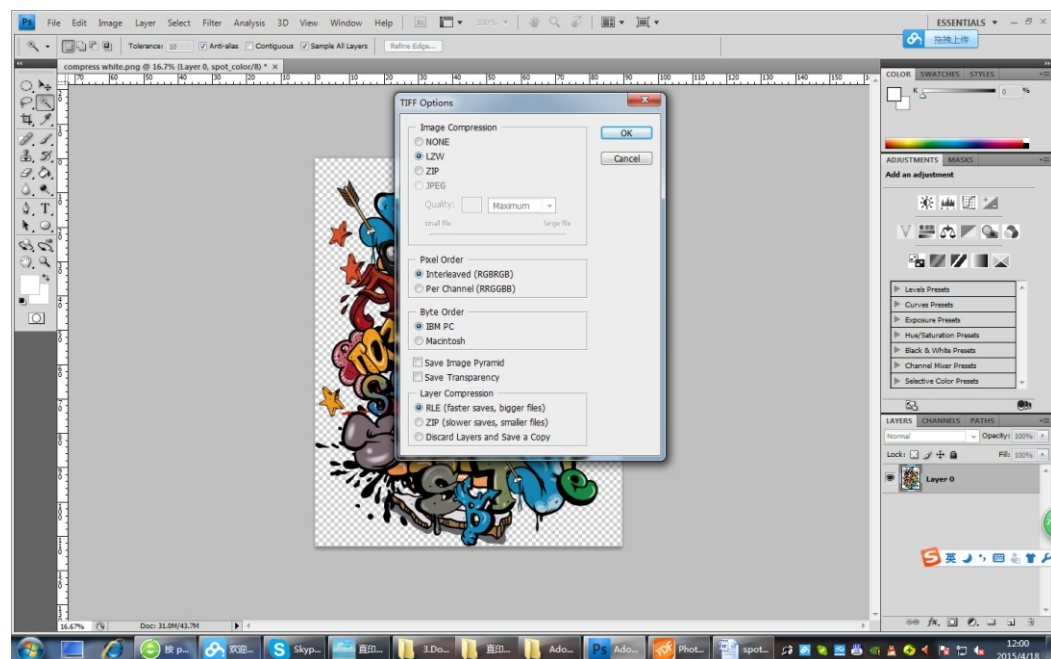
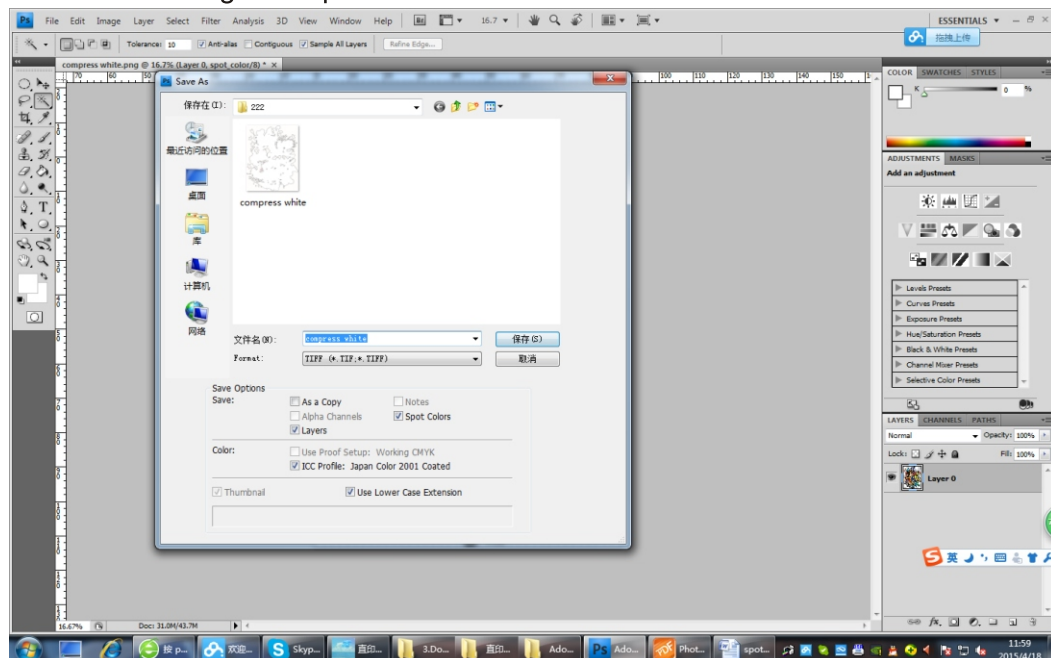
(2) Select an area you want to print white. Magic Wand Tool or Pen Tool may usually be needed in this step.

(3) Make new spot channel. The name should be " spot_white ". The ink characteristics should be white. The solidity should be 0%.



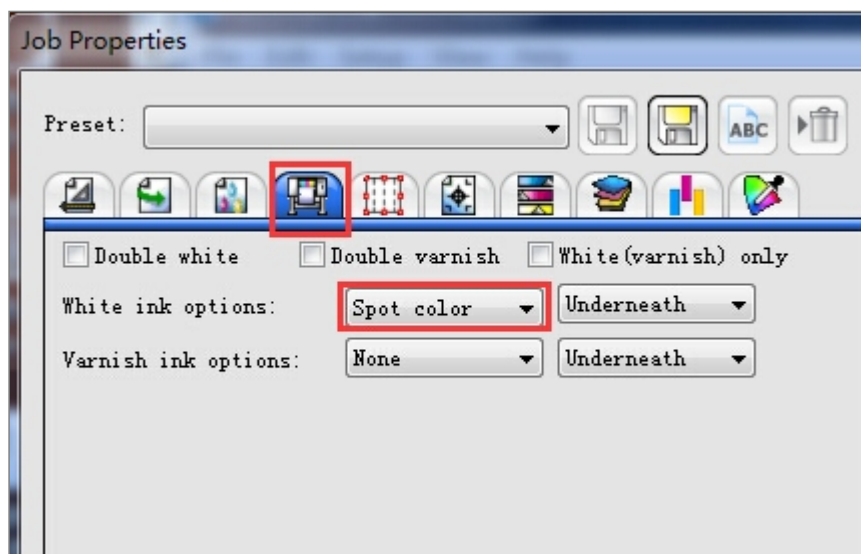


(4) Save as TIFF format. Image compression is LZW.

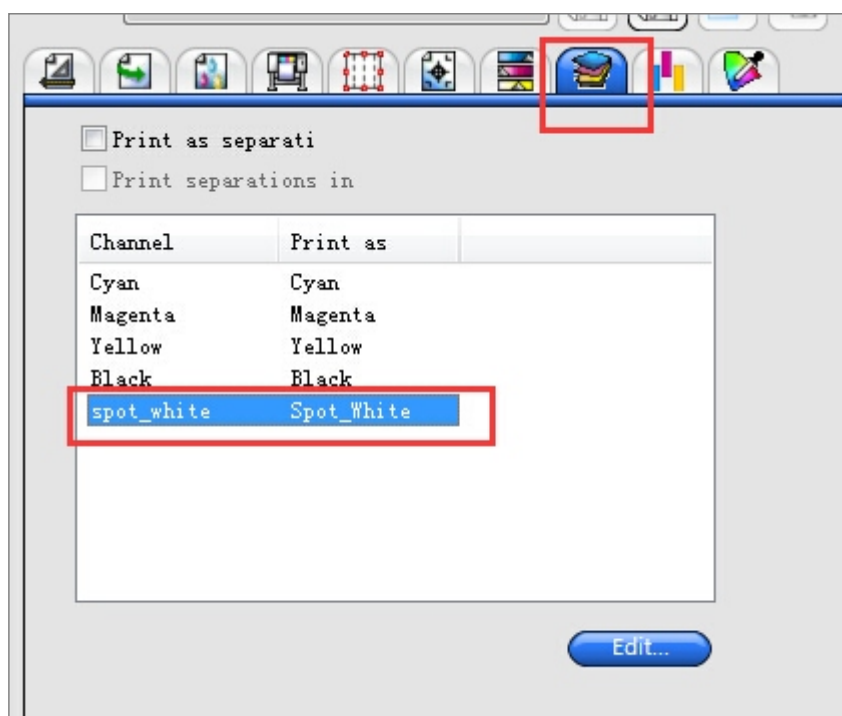


4.4.2 How to print spot white with Photoprint.

(1) Choose “spot color” in “white ink options”.



(2) If channel name is “spot_white”, “Print as” will be “Spot_White” automatically. Or “Print as” is “process”, then you need to double click to choose “Spot_white”.



(3) Then you can hit “send” to print with spot white.

4.SAMPLE PRINTING

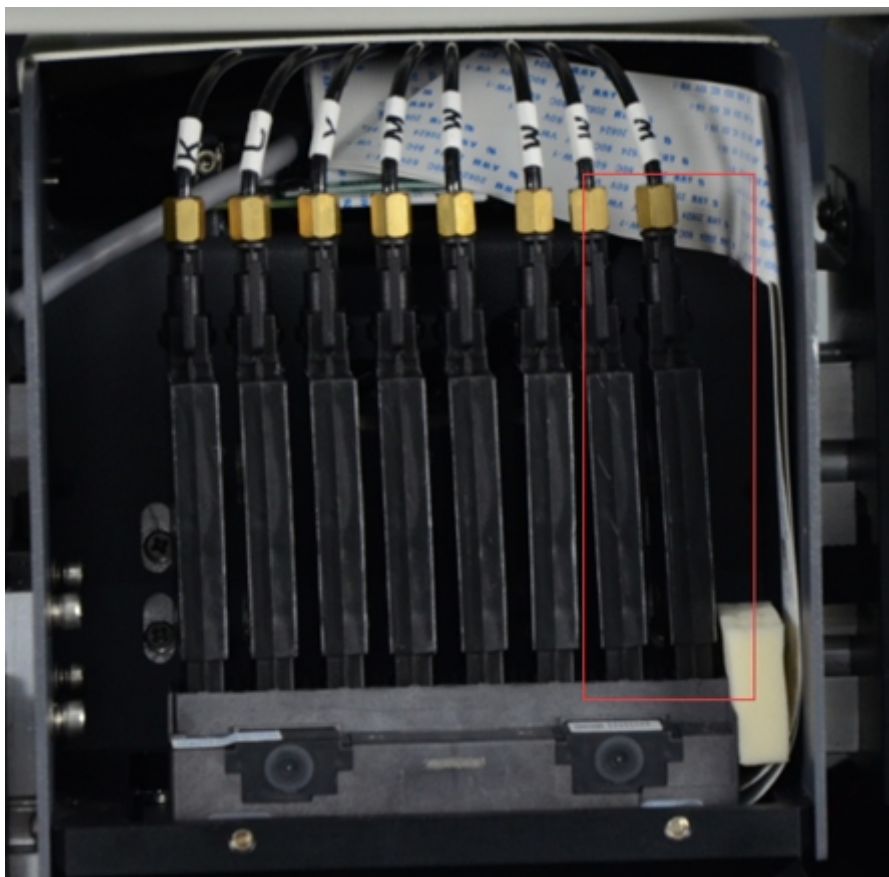
*4.5 To Use Varnish Oil

4.5.1 Installation

Generally the varnish is installed in left-most ink box:

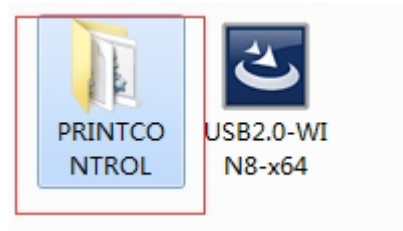


Then drain the varnish into the right-most dampers.

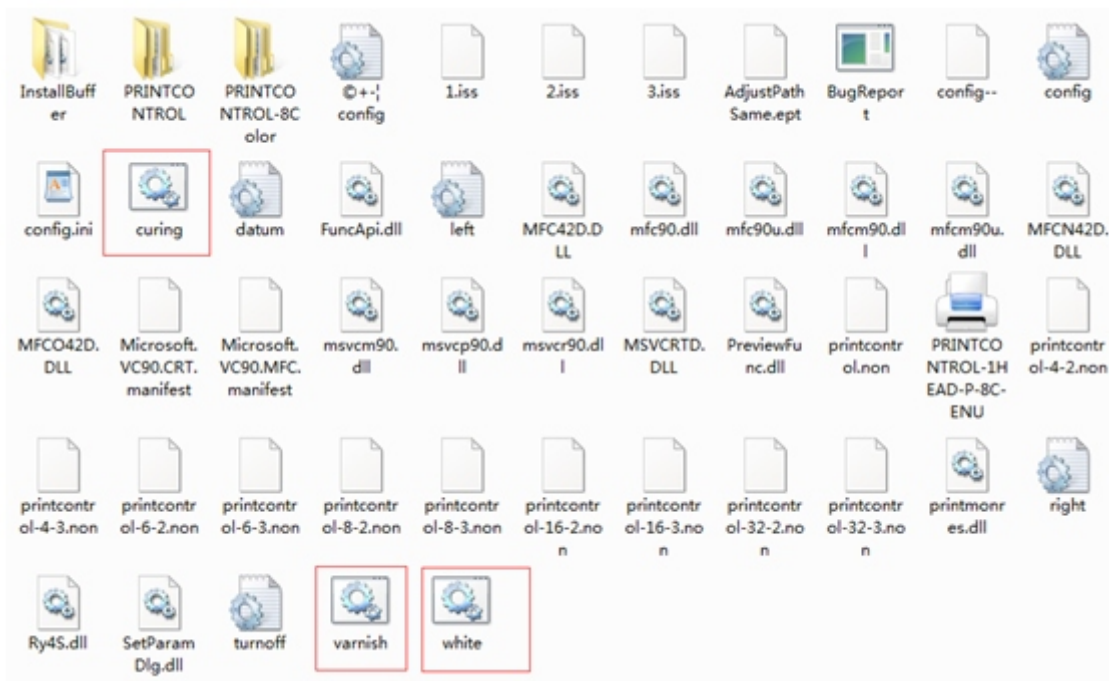


4.5.2 Create a short-cut for varnish printing driver:

- a. Open the driver's installation folder. Choose a folder according to system configuration. In win8-64 bit, please open this file.



- b. Find the following three icons in this folder. Right-click and send it to desktop shortcut.

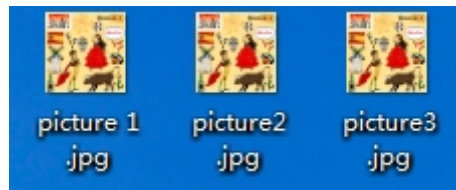


The shortcut as following figure:



4.5.3 Image preparation: (This method can improve efficiency in batch printing.)

Make the image into three copies and change their name to picture 1, picture2 and picture 3. And then drag them to Photoprint.



The printing position of the three images must be the same. Take the example of following settings.

Job Properties

Preset: [Use Default Job Properties]

Media size

Custom size

60.000cm 90.000cm

0.000cm 0.000cm

0.000cm 0.000cm

☐ Dual roll printing [Edit...](#)

Job size

10.000cm 9.449%

10.000cm 9.449%

☐ Fit to media ☒ Proportional

Position

1.000cm 1.000cm

Copies

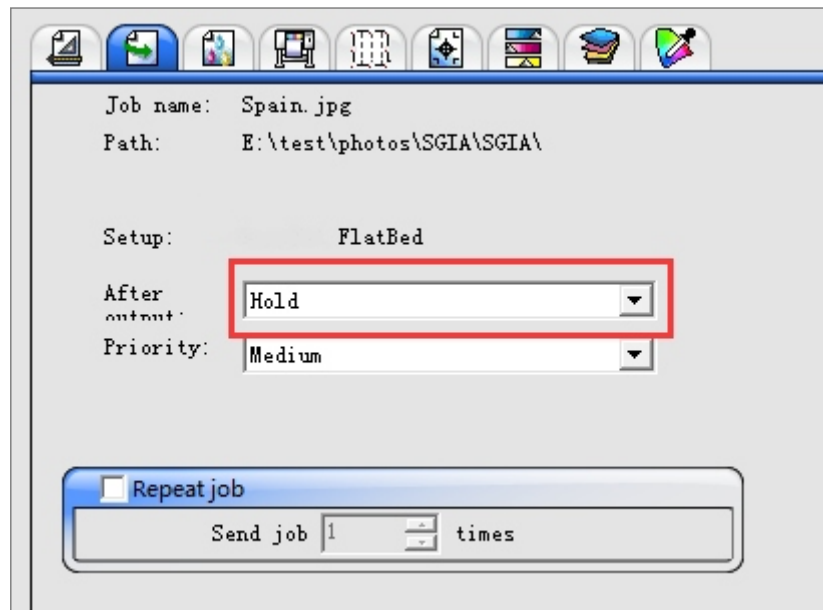
1 0.254cm

☐ Page range:

☒ Page nesting

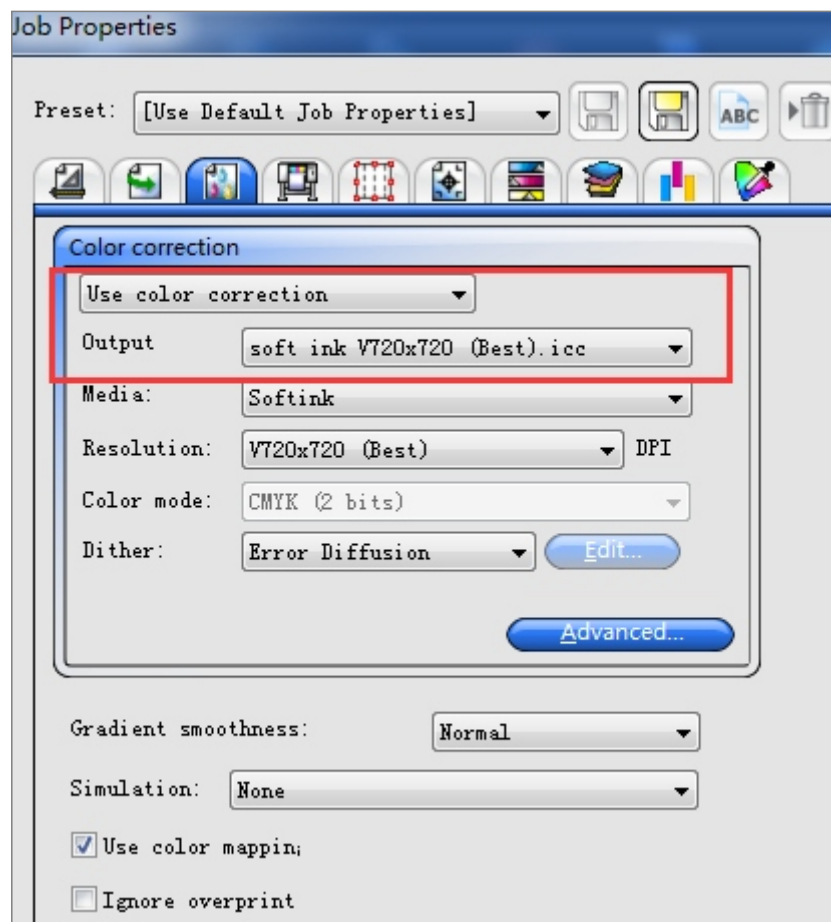
Should be the same of all these three pictures

F [Reset](#)



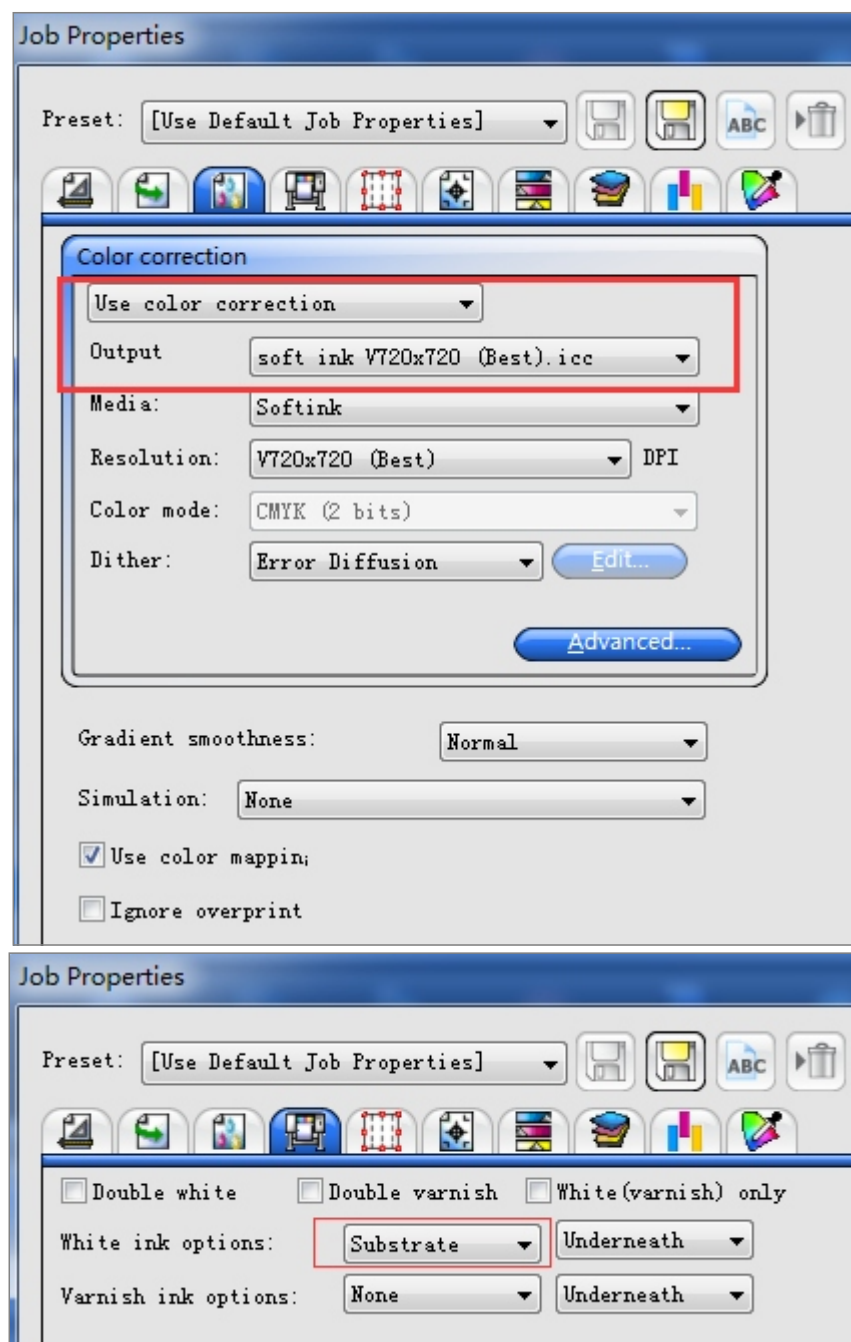
And change the setting of three images to follows:

Picture1 setting:



And Change the setting of the three images to the followings:

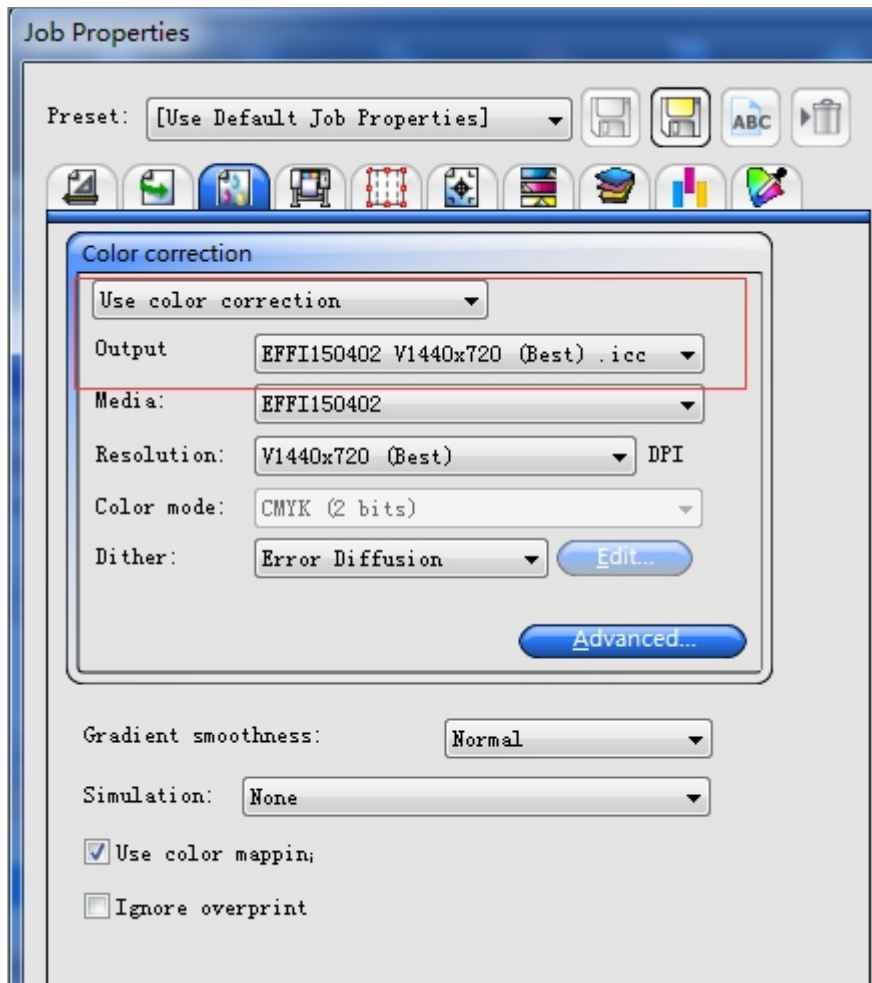
Picture 1 setting



Choose substrate for all white, or choose under color or none according to your requirement. Finally click ok to save settings.

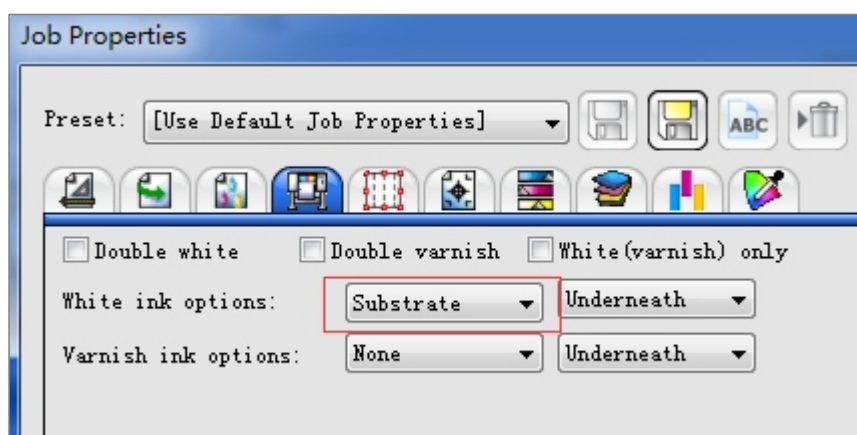


Picture 2 settings:

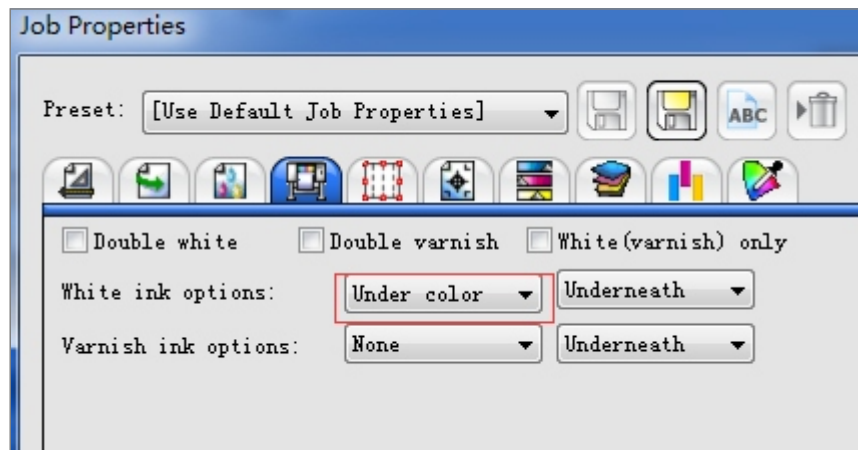


Choose 1440*720 to increase varnish amount, or 720*720 to reduce varnish amount according to your requirement.

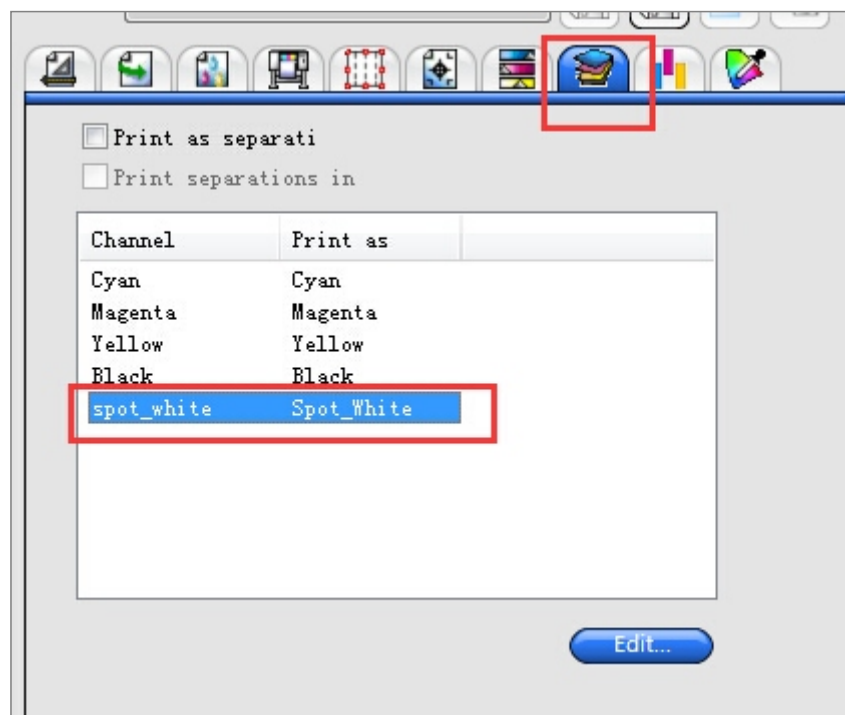
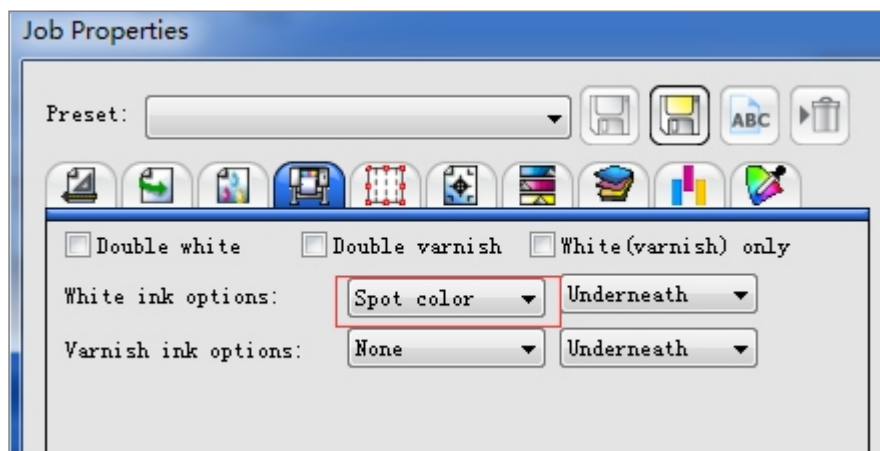
**The setting of varnish area: If whole picture must be full of varnish oil, please choose:



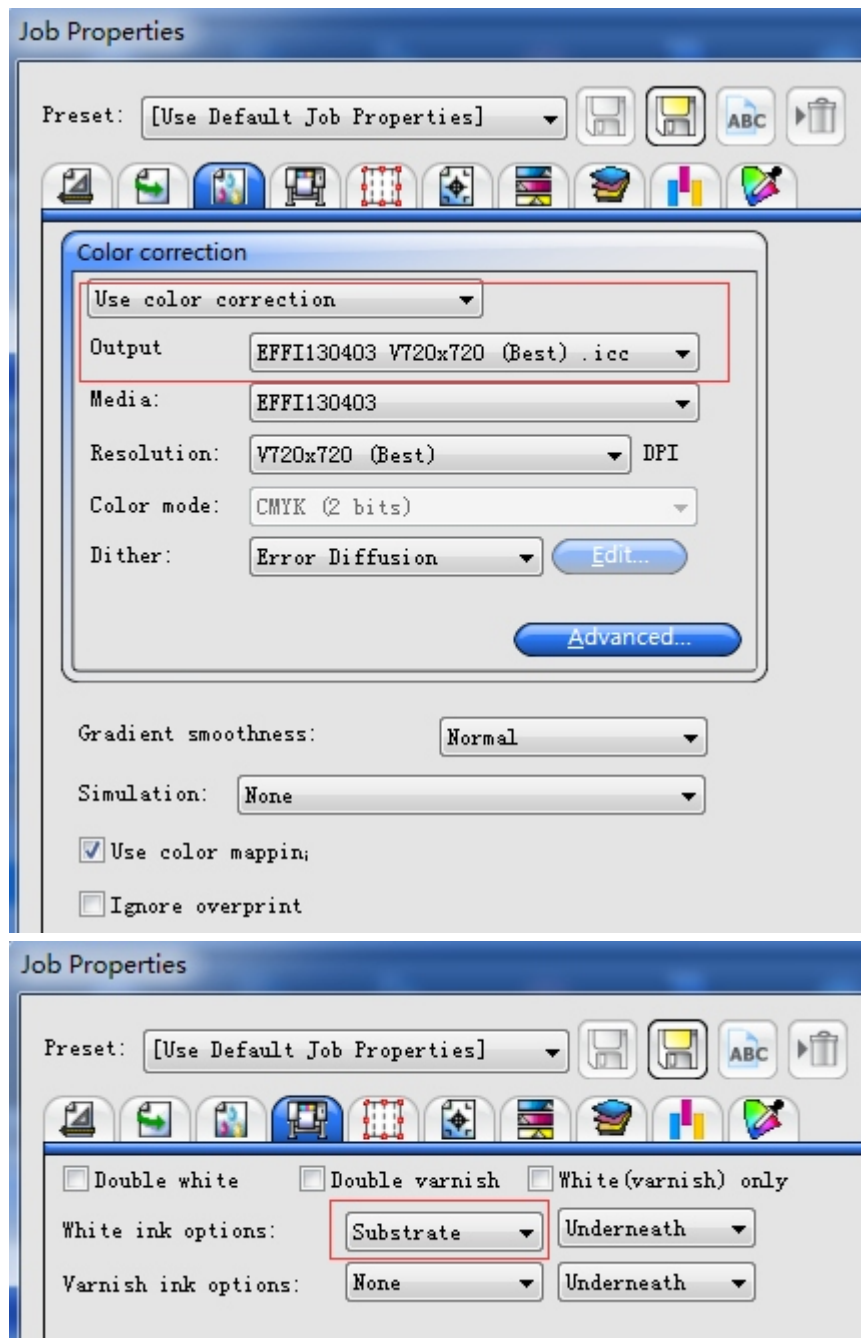
only print varnish on the color area, choose “ under color” or “ spot color”



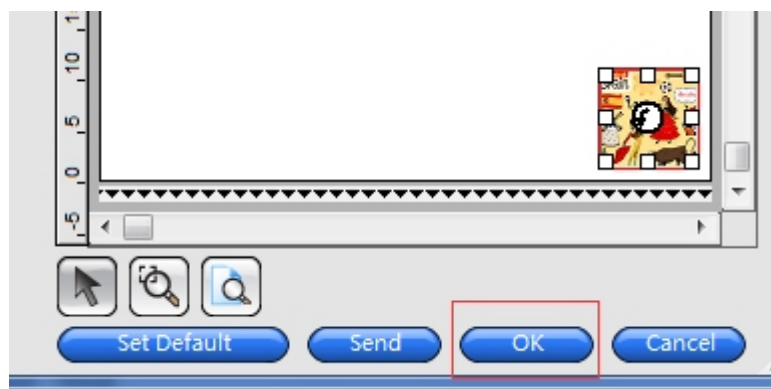
Print varnish on the specific area: same with spot color printing and choose



Picture 3 settings:



click ok and save settings.

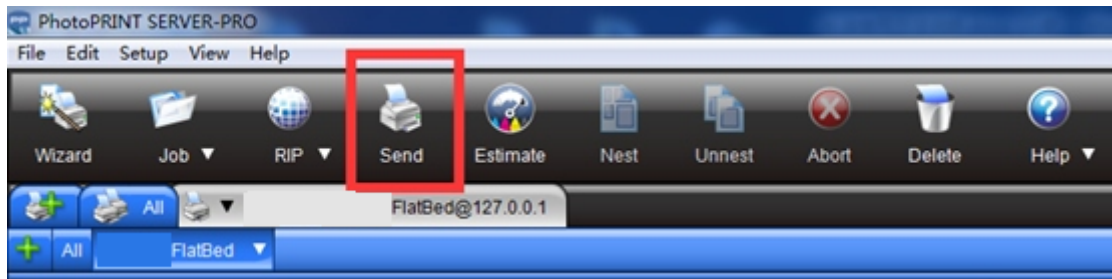


4.5.4 Printing process1 (Glossy varnish)



a. Double-click **white** to make driver in image printing mode.

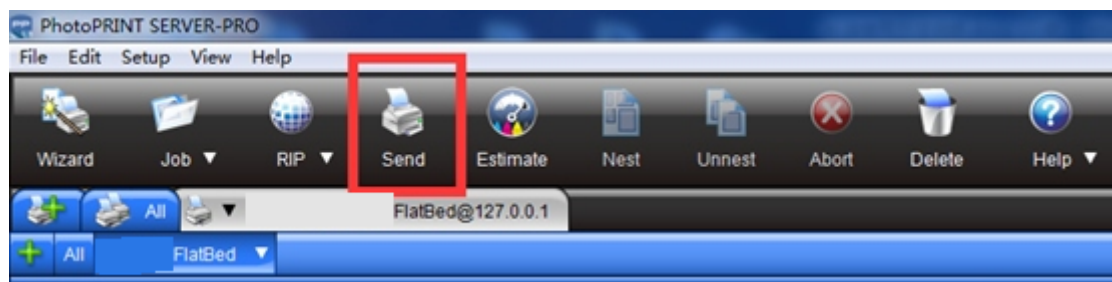
Choose picture 1, click and send.



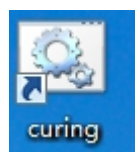
The image is printed on the material.



b. Double-click **varnish** to make driver in varnish printing mode.
Choose Picture 2. Click and send.

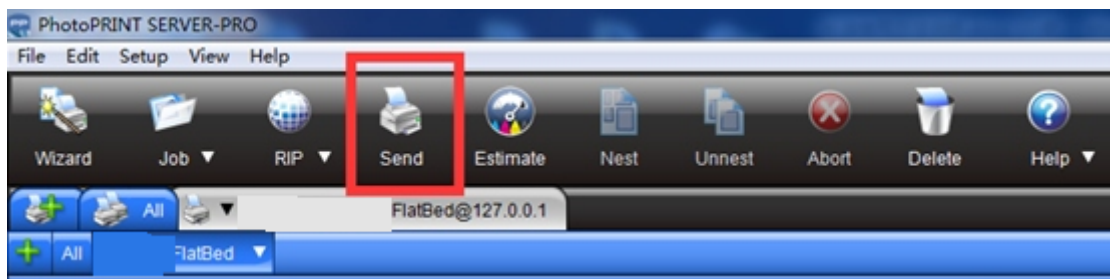


**** TURN OFF UV Lamp to make varnish flat and looks glossy.**



c. Double click icon **curing** to make driver in curing mode.

Choose picture 3, click and send.



This operation will be only used for varnish curing but not ink coming out.
Until now, all printing is finished.



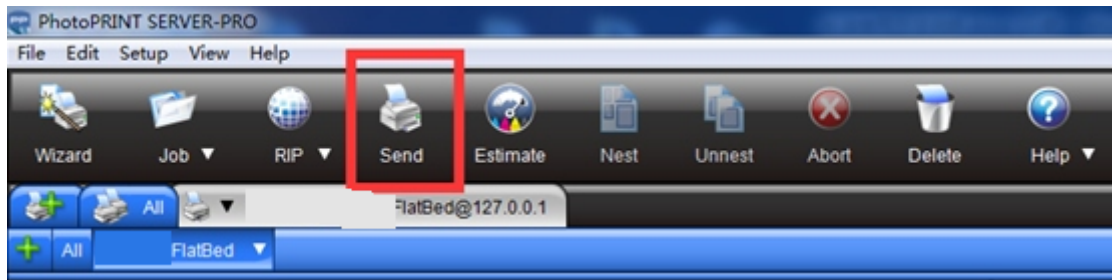
For the convenience of next printing, double-click **white** to return to image printing mode.

4.5.5 Printing process 2 (Matt varnish)



- a. Double-click

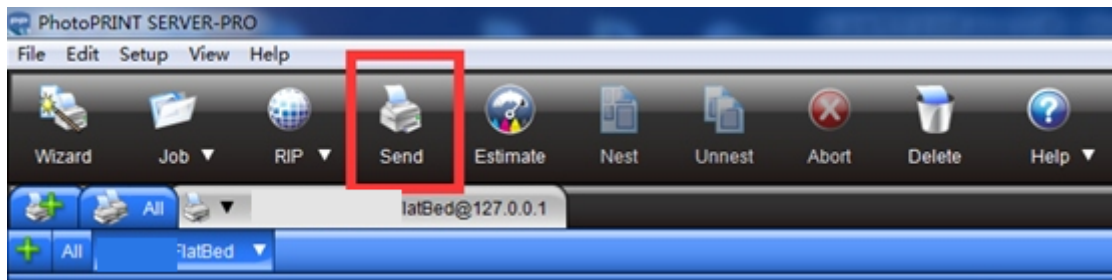
Choose picture 1, click and send.



The image is printed on the material.



- b. Double-click
Choose Picture 2. Click and send.



**** DON'T TURN OFF UV Lamp to cure varnish immediately.**

This operation will be only used for varnish curing but not ink coming out.
Until now, all printing is finished.



For the convenience of next printing, double-click

5.MAINTENANCE AND TROUBLE SHOOTING

5.1 Maintenance

1 Continuous use and maintenance requirements

Daily Task	1.Do a cleaning, check the nozzles. 2 Clean up wiper and rubber parts of Cap Top.	
Weekly Task	1.Clean encoder strip. 2.Clean the surface of	
Monthly Task	1.Add lubricating oil to	
Seasonly Task	1.Replace the Cap Top. 2.Replace the wiper. 3.Replace the damper. 4.Clean the UV light.	
Year Task	1.Replace the carriage	

2 Discontinuous use and maintenance requirements

Without use in a week	1. Spray anti-rust oil to rails and wheel(X/Y/Z).	
Without use in a month	1.Clean up ink tubes. 2.Remove printhead wipe it with clean cloth and keep in dark place.	

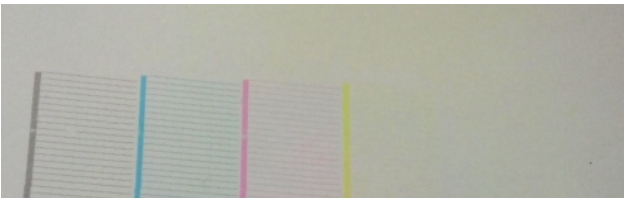
3 Consumable parts checking period

NO.	Parts	SN.on sale	When	Checking Period
1	Damper	30160026	Broken	3 months
2	Cap Top	80030065	Broken	3 months
3	Wiper	30160023	Too Much Dirty	3 months
4	Waste Ink Pump	10080011	Not Working	6 months

5.MAINTENANCE AND TROUBLE SHOOTING

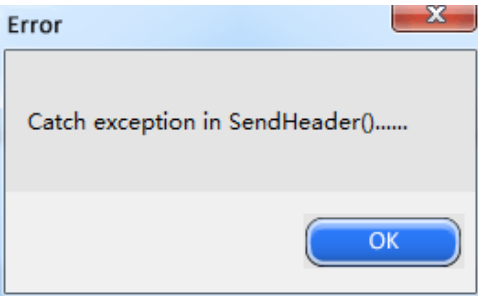
5.2 Trouble Shooting


Q1: The checklist for nozzles when test strip not complete



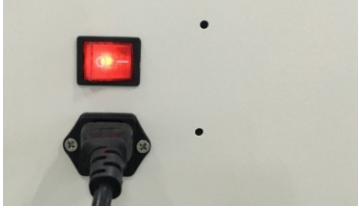


<p>Step 1: Do a small cleaning, press TEST to check the nozzles. If there is more than 10% break line of a certain color, follow Step 2.</p>	
<p>Step 2: Replace the corresponding damper of the break line color. Do small cleaning, press TEST to print a test strip. If still exist the problem, follow Step 3.</p>	
<p>Step 3: Replace Cap Top. Do small cleaning and press TEST to check nozzles. If still exist a problem, contact us.</p>	

Q2: Display error when send a print job

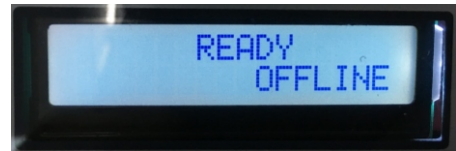


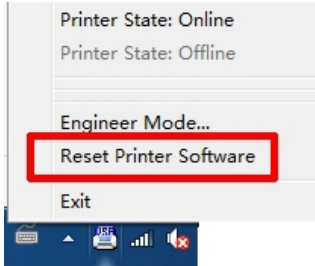
<p>Step 1: Check the control panel if it is as shown at right pic. If not, press LEFT back to main interface, as right pic. Then resend the print job. If it is already the right pic do Step 2.</p>	
<p>Step 2: Reconnect the USB cable, then restart the printer. If still exist a problem, contact us.</p>	

Q3: Printer can not be power on

Step1: Check whether the switch in the back of machine is on and the indicator is lighted	
Step 2: Check whether the circuits of scram limit switch is loosen. Besides, the carriage should not be stayed on this switch.	
Step 3: Check whether the red scram button on the front board is open. If there is any problem, please contact us	

Q4: Printer is offline



Step 1: When the carriage is on the right side, check whether the right side lamp is on. If not, please contact us.	
Step 2: Restart the computer, pull off and insert in the USB, change the USB port, restart the driver.	
Step 3: After step 2, if the statu of the printer is still offline, please reinstall the driver or contact us.	Download address of driver website.

Q5: Bad printing quality caused by bad test strip

When your printing quality is bad, make a cleaning and print a test strip by pressing test button on control panel.

if some lines are missing (less than 10% are acceptable), we need to fix the problem. The problem can come from dampers, print head or cap top.

Bad test strip type	Most possible problem parts	Possibility
one color bad	bad damper	50%
several colors bad	cap top need adjusting	90%
one color missing	print head is clogged	50%
no ink at all	cap top need adjusting	70%

You can figure out the problem comes from dampers, print head or cap top by following videos.

Dampers: 1.1 Video:How to make sure whether dampers are good or not.

1.2 Video: How to change dampers.

Print head: 2.1 Video: How to make sure whether print head is clogged or not and how to clean print head.

Cap top: 3.1 Video: How to make sure whether cap top is good or not.

3.2 Video: How to Change cap top.

3.3 Video: How to adjust the position of cap top to fully cover the print head.

Q6: Bad bi-direction printing quality

1. How to make sure that it is a Bi-direction problem.

When your printing happen to be with a double shadow like this:



You can change the mode to Uni-direction. If the problem is gone and the printing is like the following picture, then we are sure it is a bi-direction problem.



The way to change into Uni-direction is like this:

We began from its home page:

H 75mm V 0mm

BI-DIR

The buttons pressing order is :

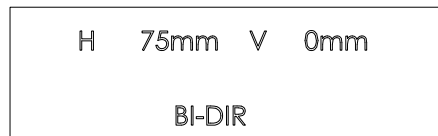


2. How to solve a Bi-direction problem.

We can change bi-direction quality by changing the number of “ Bi-direction H Adjust ---”

The way to get to “ Bi-direction H Adjust — “ is pressing following buttons.

We start from home page:



Buttons pressing order is:



Then you see the “ Bi-direction H Adjust — “. Generally the first number is “ +4 “.

You can change the number by pressing the following two buttons:



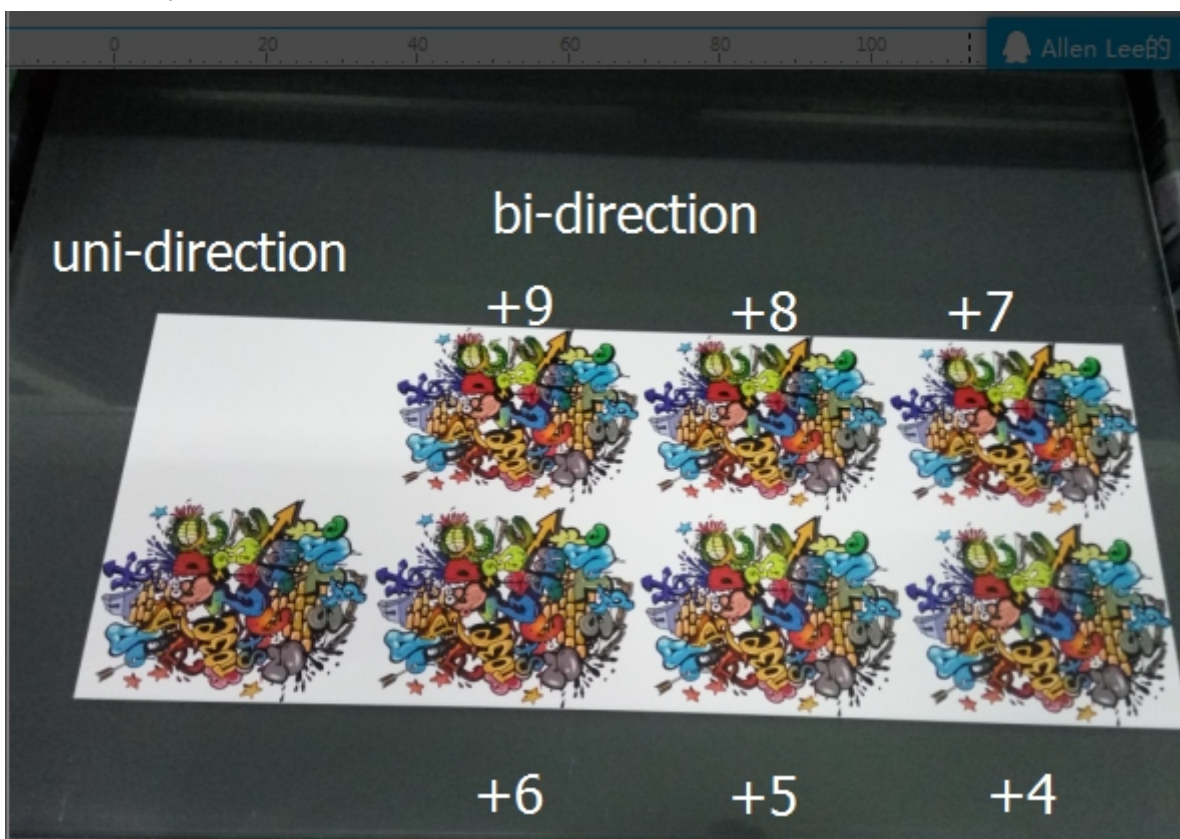
choose a number then press “ enter “  Then the number is saved.

Press  to go back to its home page (or you can not send a picture to print).

Save the number to be “ +4” first. Print a picture in bi-direction mode. Then save the number to be “ +5 “ and print the same picture again beside the first picture. Change the number to be “ +4 “ “ +5 “ “ +6 “ “ +7 “ “ +8 “ “ +9 “ one after another and repeat printing.

At last print the same picture in Uni-direction beside those pictures.

The total 7 pictures would be like this:



Find the one from bi-direction pictures which looks most like uni-direction and save the number. For example, the “ +7 “ looks most like uni-direction. Then save “ bi-direction H Adjust “ to be “ +7 “ and then go back to home page.

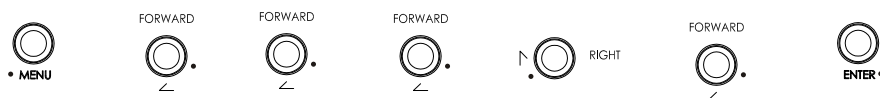
3. How to save this number for next downloading.

When you reinstall the driver, this number can be changed. You can remember this number and change it back. Or you can save the the settings for next time downloading.

The way to save the number and all the other settings:



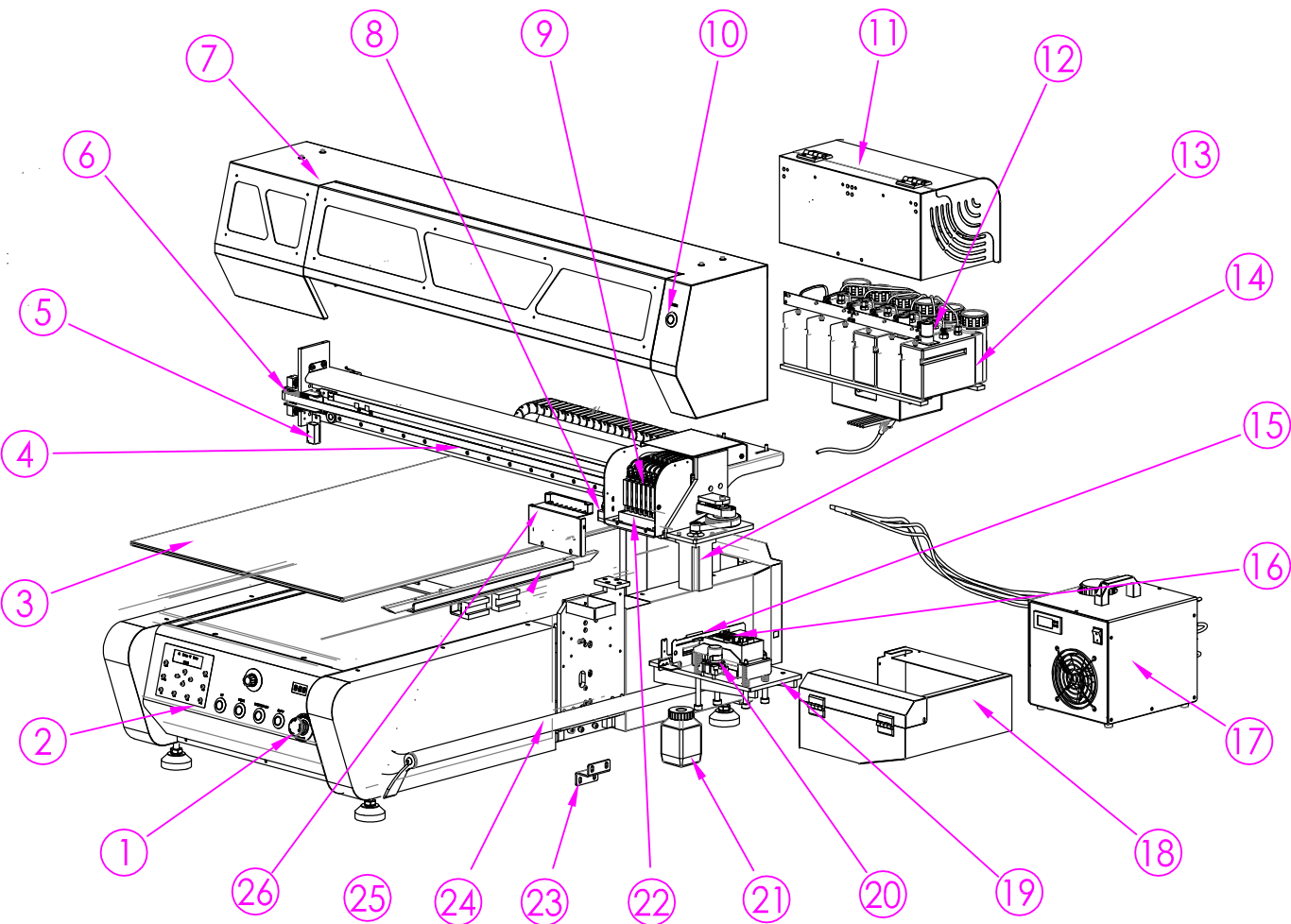
The way to download the number and all the other settings:



When we produced this printer, we had already saved all the right settings. You can download it first. If it doesn't work since the number is changed, you can find the number yourself by the front instructions.

5.MAINTENANCE AND TROUBLE SHOOTING

5.3Exploded View



NO.	Part	SN. on sale
1	Emergency Stop	10020242
2	Control Panel	10060007
3	Printing Table	—
4	Carriage Rail	—
5	Height Sensor	10020233
6	Belt Fastening	—
7	Printer Cover	—
8	UV LED	10310039
9	Damper	30160026
10	Manual Cleaning	10020231
11	Ink Bottle Case	—
12	White Ink Stirrer	10080009
13	Ink Bottle	80060006

NO.	Part	SN. on sale
14	Step Motor	10080013
15	Wiper	30160023
16	Cap Top	80030065
17	Water Cooling Case	10310039
18	Capping System Case	—
19	Capping Station	—
20	Waste Ink Pump	10080011
21	Waste Ink Bottle	30150002
22	Printer Head	10310043
23	Fixture	—
24	Handle	—
25	Adjustment For Even	—
26	Cover for Dampers	—