Software operation and machine debugging

Software driven installation

Win7 system

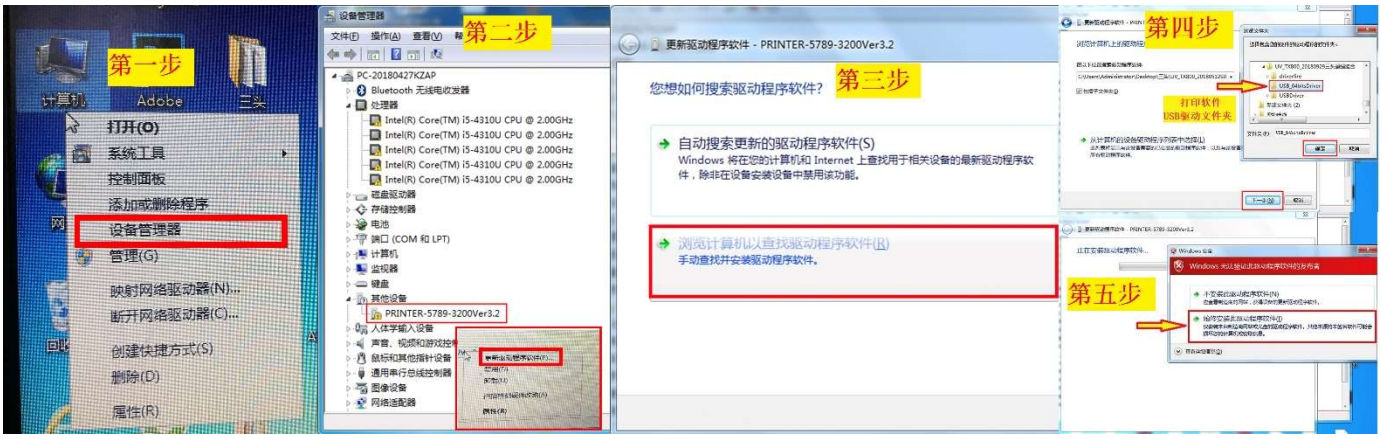
1、My computer → equipment management

2、Find the PRINTER-5789-3200Ver3.2 and then update the software

3、Manually find and install driver software

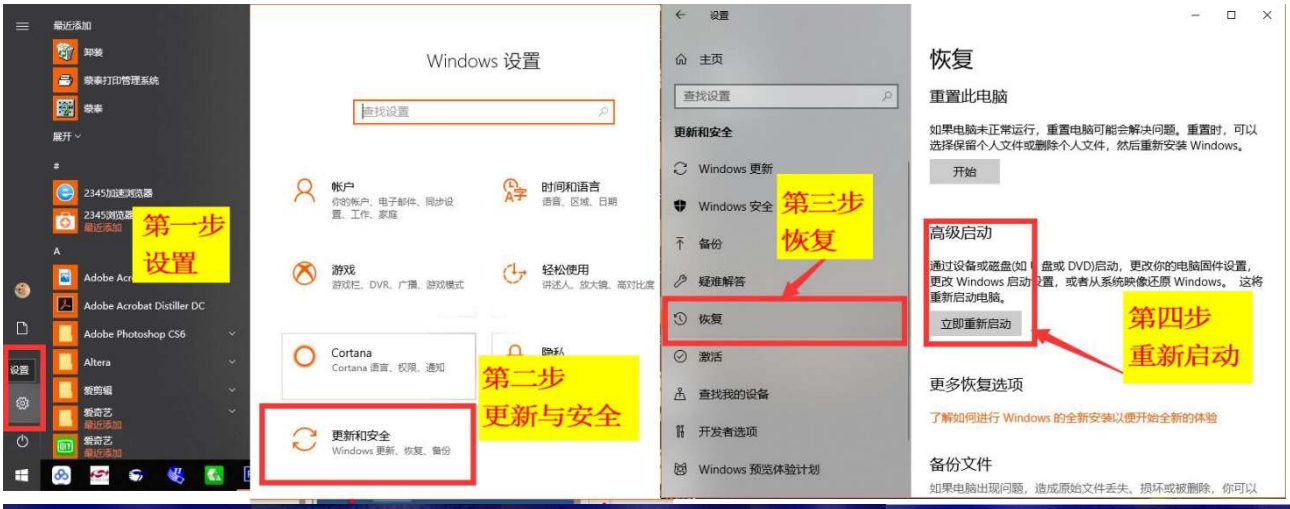
4、Find the file named USB_64bitsDriver Click ok and next

5、Click always install this driver software to install the software and done!



Win 10 system

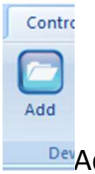
1、Set→2、Update and security→3、Restore→4、Restart→5、Troubleshooting→6、Advanced options→7、See more recovery options→8、See more recovery options→Startup Settings→9、Restart→10、No.7 Disable driver mandatory signature



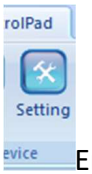
After installation click online ,then you can see this interface

Operation interface introduction——controlpad

Whether the machine is power on or not



Add the printing picture



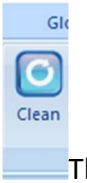
Enter to the machine debugging interface

Connect the software and machine

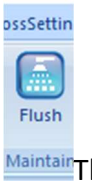
When the carriage unit moves out, click to moisturize and it will return to the original position automatically

The unit moves forward and backward in the Y direction

The unit moves left and right in the X direction

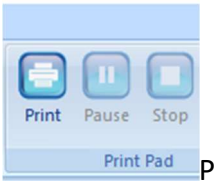


The ink stack suck and wipe the ink to clean the print head automatically, solve the problem of Poor printing.

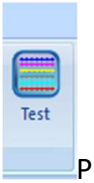


The print head keeps the ink - jet status to wash away any ink remaining on the dirty surface.But only for a while(about 5 seconds),then repeat the clean action to clean the print head thoroughly.

The ink pump do the suck action to the print head automatic

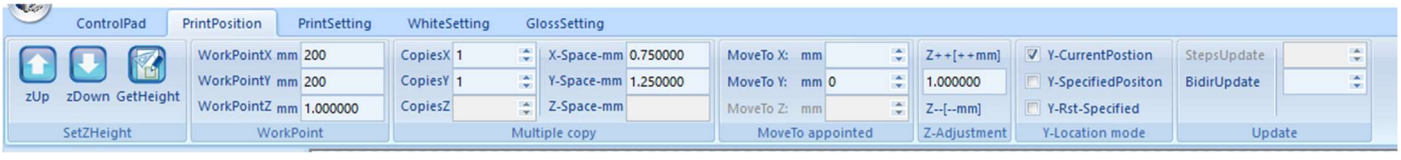


Print , pause,stop



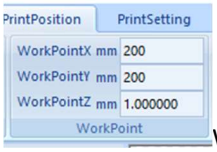
Print the status test strip of print head， Check the ink output status of printer

Print position

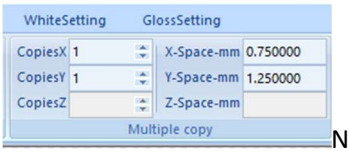


Unit rise and fall

Automatically measure the printing material thickness

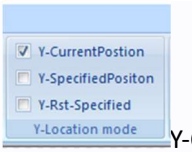


Work point X→Print from X start position by transverse direction； Work point Y→Print from Y start position by longitudinal direction； Work point Z→Height of the unit when printing



Number of printed copies，XY direction the distance of printing pictures

Set the location of XY start print position

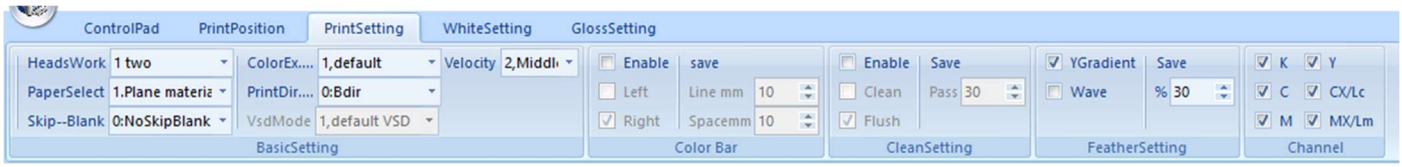


Y-Current position：The unit starts from the current stop position； Y-specified position：Start printing from the set Y numerical value.

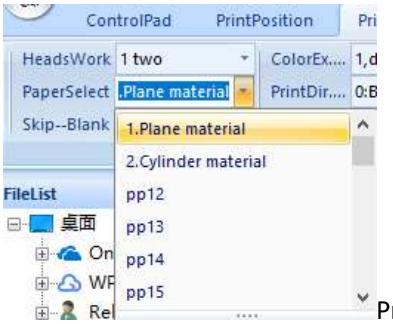
Y-Rst-Specified：before print the unit goes to the origin of Y direction，then move to the setting location to print

Adjust the alignment of pictur's ongitudinal and transverse during printing，avoid problems of overlap or dislocation.

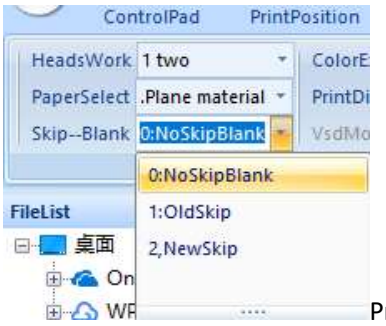
PrintSetting



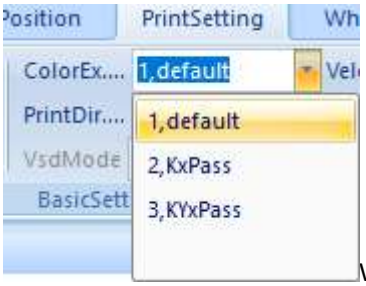
Print head setting



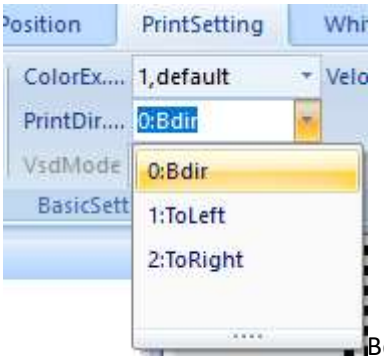
Print material Settings, general choose plane material



Print images automatically skip blank data areas， general choose 2,New skip

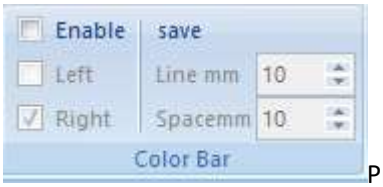


When the black→K yellow →Y ink is not enough can start doubling mode during printing

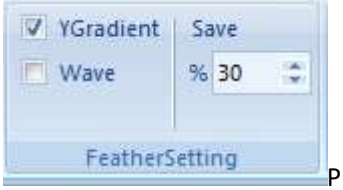


Bdir： When the unit go left or right ,the print head keep printing ink To left： The unit only printing ink when the unit go left To right： The unit only printing ink when the unit go right

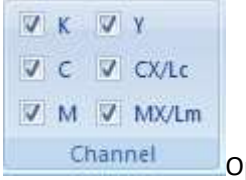
Print speed options， low,middle and hight.



Print the ribbon of each color on both sides of the image, this function can prevent other ink channel block when you print a single color often.

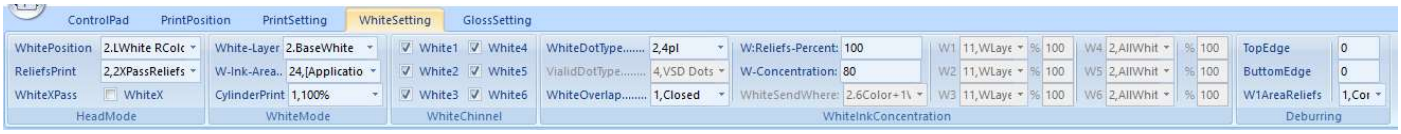


Print the picture to carry on the feather function to achieve a more subtle effect

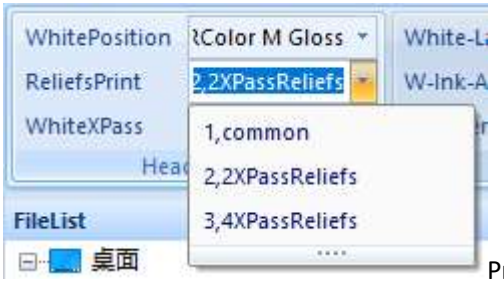


Optionally close the single color channel of the print head

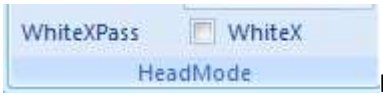
White and varnish configuration introduce



According to the ink be used to choose the location of print head

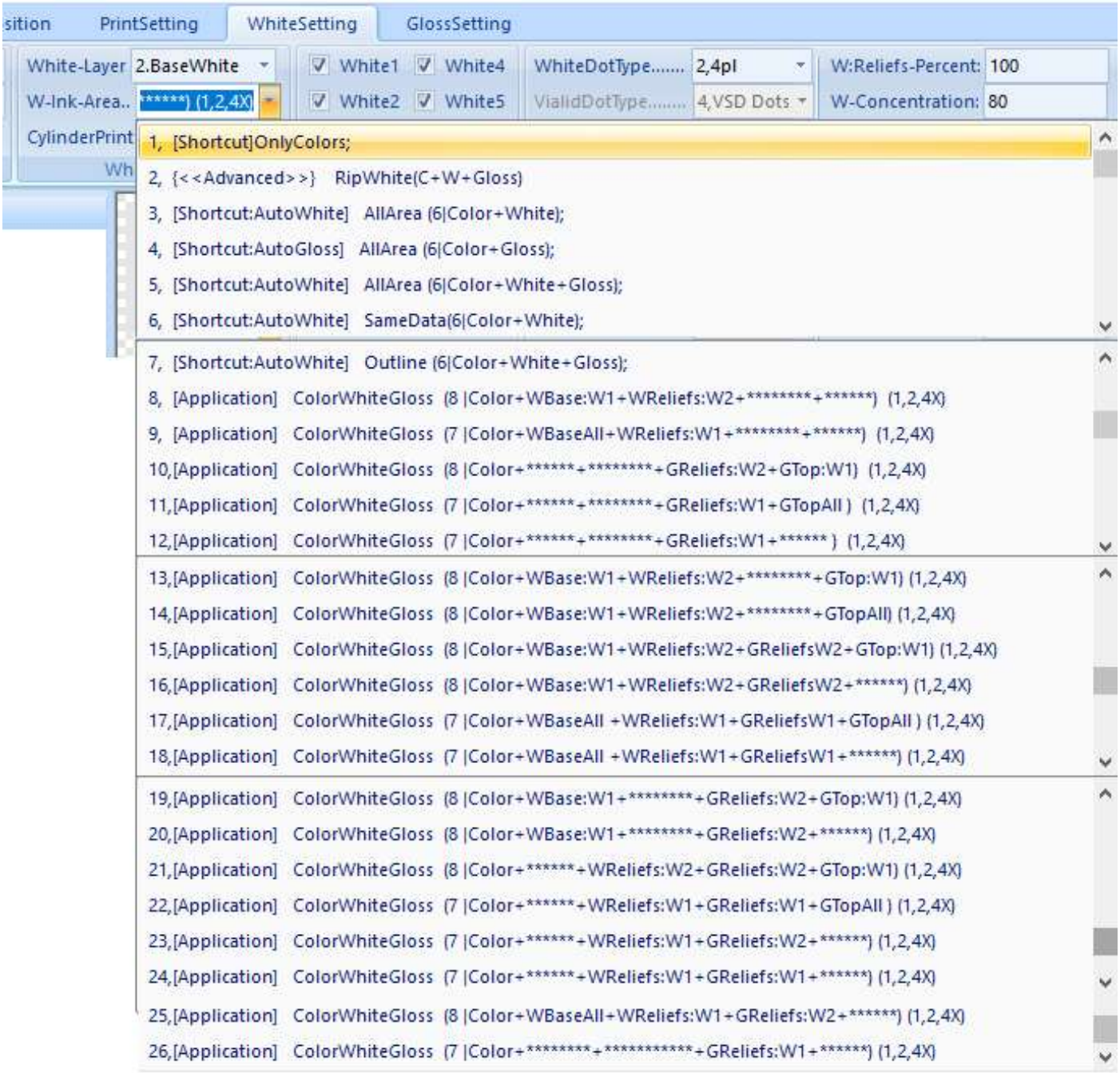


Print accuracy selection，1 general options Fast speed and low accuracy，2 Fine print Improve print quality，3 High precision printing　Accuracy is highest and speed is slowest



Double white ink

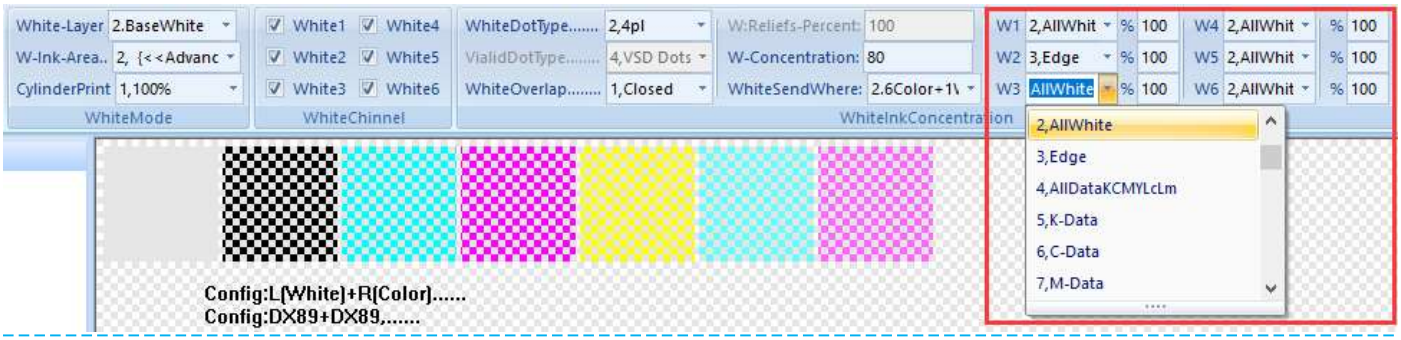
1 No white：not print white ink　　2 Base white：Start with white ink，Color ink is printed on white ink　　3 Cover white：Start with color ink，white ink is printed on color ink

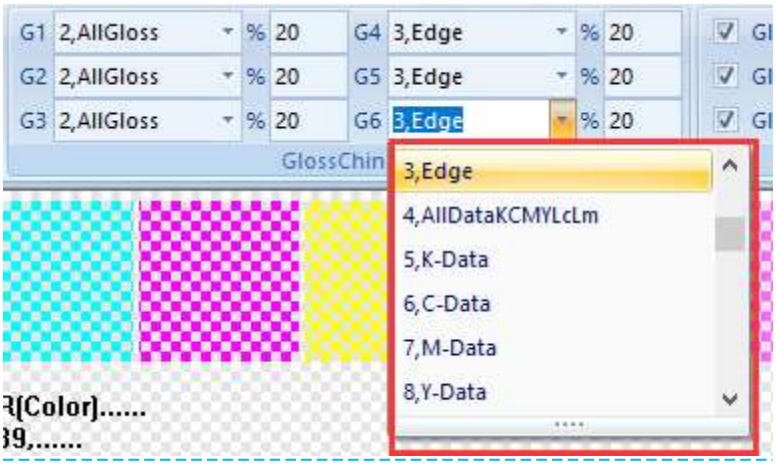


Ps: 6 no spot channel；7 make one spot channel W1；8 make two spot channel W1W2

1，Only colors：only color print head print ink

2，<Advanced> RipWhite(C＋W＋Gloss)：Custom white ink and varnish working channel，as shown in figure





3，[Shortcut: AutoWhite] AllArea (6| Color＋White)：No varnish，Whole picture with white base +color

4，[Shortcut: AutoGloss] AllArea (6| Color＋Gloss)：No white，Whole picture color+varnish cover

5，[Shortcut: AutoWhite] AllArea (6| Color＋White＋Gloss)：：Whole picture with white base+varnish cover+color

6，[Shortcut: AutoWhite] SameData(6| Color＋White)：Valid data print white and color ink **(Valid data means the color area in the picture,barring pure white)**

7，[Shortcut: AutoWhite] Outline (6| Color＋White＋Gloss)：Valid data print white color and varnish，automatically add frame during the picture printing for easy positioning printing

Following for using when set up white and varnish spot channels

8，[Application] Color White Gloss(8|Color＋WBase:W1＋WReliefs:W2)：Set up two spot channels, white base in W1 area，relief printing with white ink in W2 area

9，[Application] Color White Gloss （7|Color＋WBaseAll+WReliefs:W1）：Whole picture with white base，set up one spot channel ,Relief printing with white ink in W1 area

10，[Application] Color White Gloss(8|Color+GReliefs:W2+GTop:W1)：Set up two spot channels ,relief printing with varnish in W2 area，varnish cover in W1 area

11，[Application] Color White Gloss(7|Color+GReliefs:W1+GTopAll)：Set up one spot channel , relief printing with varnish in W1 area，then whole picture cover varnish

12，[Application] Color White Gloss(7|Color+GReliefs:W1)：Set up one spot channel ,relief printing with varnish in W1 area

13，[Application] Color White Gloss （8|Color＋WBase:W1+WReliefs:W2+GTop:W1）：Set up two spot channels ,white base and varnish cover in W1 area，relief printing with white ink in W2 area

14，[Application] Color White Gloss （8|Color＋WBase:W1+WReliefs:W2+GTopAll）：Set up two spot channels ,white base in W1 area，relief printing with white ink in W2 area，whole picture cover varnish

15，[Application] Color White Gloss （8|Color＋WBase:W1+WReliefs:W2+GReliefs W2+GTopW1）：Set up two spot channels ,white base and varnish cover in W1 area，relief printing with varnish and white in W2 area

16，[Application] Color White Gloss （8|Color＋WBase:W1+WReliefs:W2+GReliefs W2）：Set up two spot channels ,white base in W1 area，relief printing with varnish and white in W2 area

17，[Application] Color White Gloss （7|Color＋WBaseAll+WReliefs:W1+GReliefs W1+GTopAll）：Whole picture with white base，Set up one spot channel and relief printing with varnish and white in W1 area ，then cover varnish on the whole picture

18，[Application] Color White Gloss （7|Color＋WBaseAll+WReliefs:W1+GReliefs W1）：Whole picture with white base，Set up one spot channel then relief printing with varnish and white in W1 area

19，[Application] Color White Gloss （8|Color＋WBase:W1+GReliefs:W2+GTopW1）：Set up two spot channels ,white base and cover varnish in the W1 area，relief printing with varnish in W2 area

20，[Application] Color White Gloss （8|Color＋WBase:W1+GReliefs:W2）：Set up two spot channels ,white base in W1 area，relief printing with varnish in W2 area

21，[Application] Color White Gloss (8|Color+WReliefs:W2+GReliefs:W2+GTop:W1)：Set up two spot channels ,relief printing with varnish and white in W2 area，varnish cover in W2 area

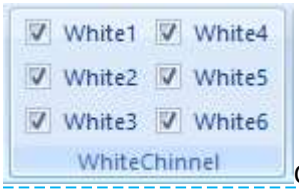
22，[Application] Color White Gloss (7|Color+WReliefs:W1+GReliefs:W1+GTopAll)：Set up one spot channel ,relief printing with varnish and white in W1 area，cover varnish on the whole picture

23，[Application] Color White Gloss(7|Color+WReliefs:W1+GReliefs:W2)：Set up two spot channels ,relief printing with white in W1 area，relief printing with varnish in W2 area

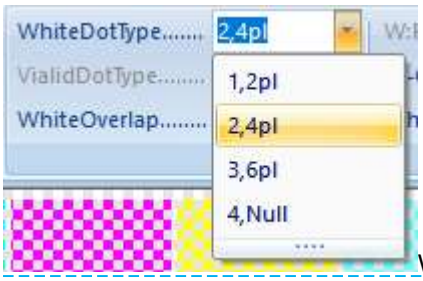
24，[Application] Color White Gloss (7|Color+WReliefs:W1+GReliefs:W1)：Set up one spot channel ,relief printing with varnish and white in W1 area

25，[Application] Color White Gloss(8|Color+WBaseAll+WReliefs:W1+GReliefs:W2): Set up two spot channels，Whole picture with white base，relief printing with white in W1 area，relief printing with varnish in W2 area

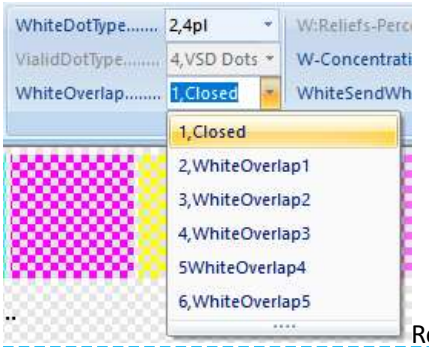
26，[Application] Color White Gloss(7|Color+GReliefs:W1)：Set up one spot channel ,relief printing with varnish in W1 area



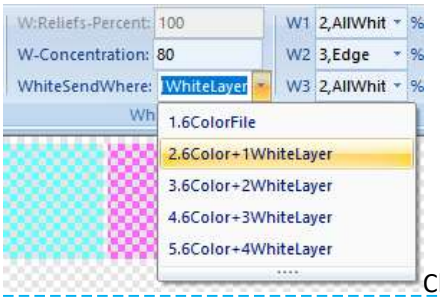
Choose the white ink channels which is out of the ink during printing



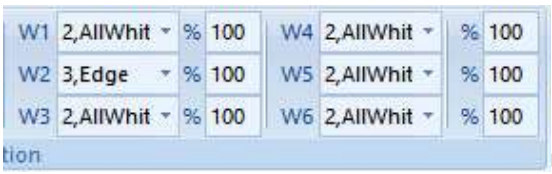
White ink point，2pl small point 4pl middle point 6pl big point，usually ues the 4pl



Relief printing means the number of white ink stacking times. The more times you do , the relief is more thicker but the print will be slow

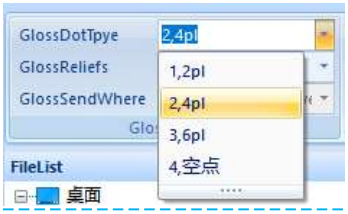


Choose white ink reliefs percent and white ink foundation concentration



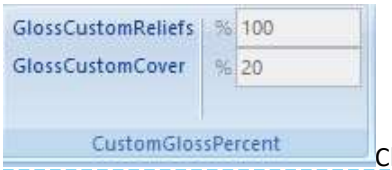
Use No.2 <advanced> mode can choose the white ink work channels

Varnish configuration introduce

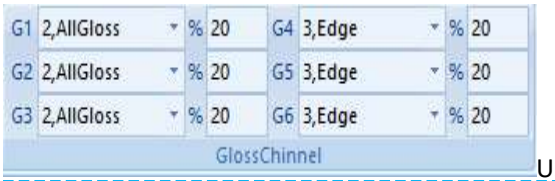


Varniash quantity, usually ues 4PL

Varniash quantity double mode selection



Choose varnish reliefs percent and varnish cover concentration

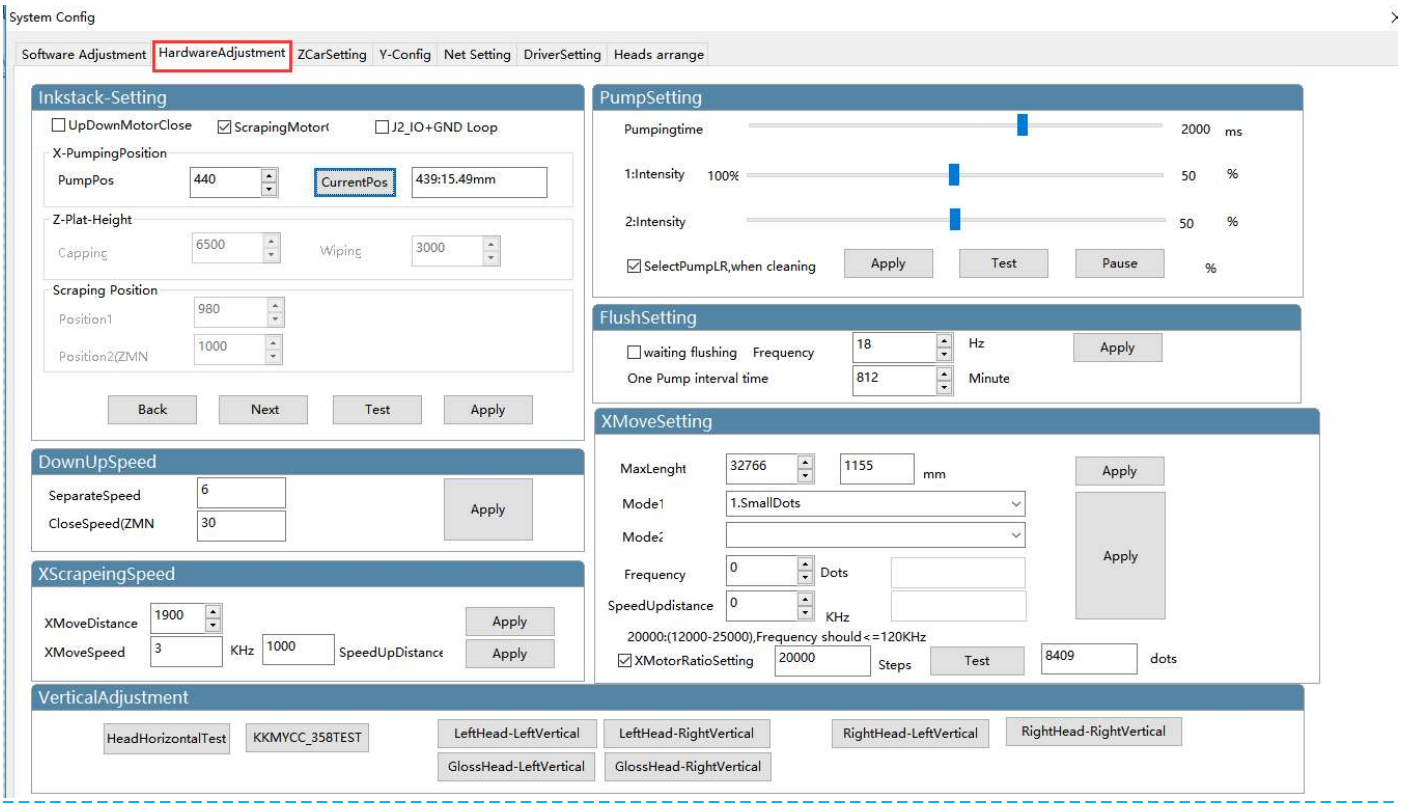


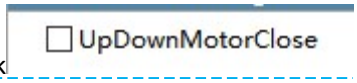
Use No.2 <advanced> mode can choose the varnish work channels

Choose the channels which is out of varnish during printing

Software debugging machine

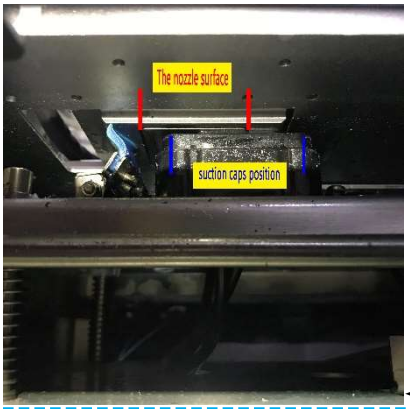
Mechanical adjustment



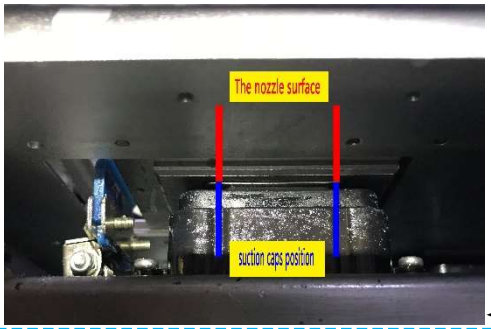
1，Do not check the automatic lifting ink stack 

2， 

Adjust the position of car print head and suction caps to align



←The print head is staggered with the suction cap，reduce the numerical then the

unit will go right， 

←Make it alignment

3， 

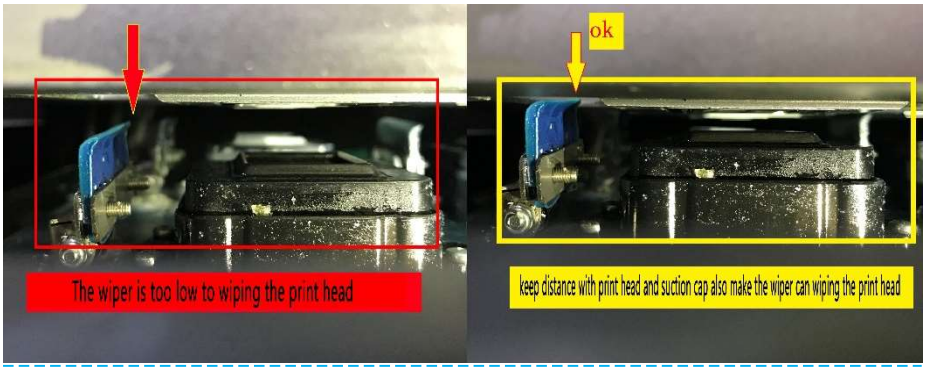
According to the grating value the unit moving in the X direction，the further away from the origin the larger the value

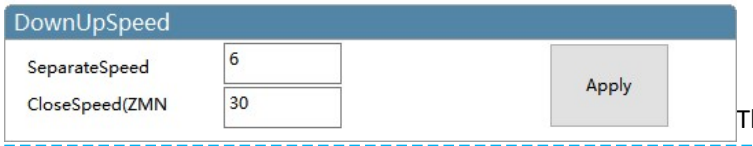
4， 

The height of sution cap raise to seal the print head

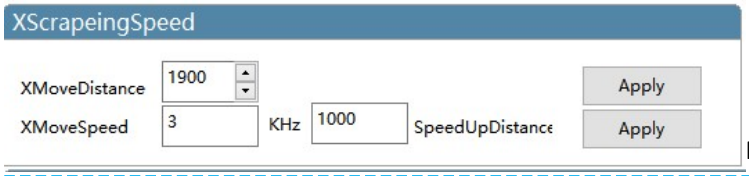
5， 

Wiper height:The raise height of the wiper to wiping the print head，make the wiper can wiping the print head but the print head is separated from the suction cap.

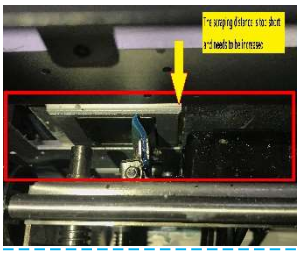


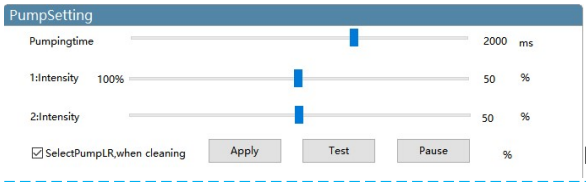
6， 

The down up speed of carriage unit

7， 

Move distance when the unit is cleaning and scraping

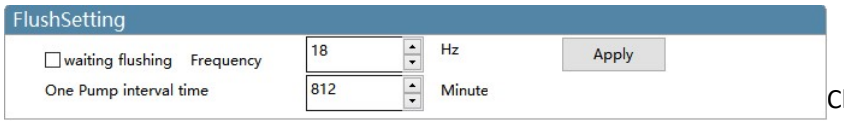

Wiping speed：the moving speed of the unit when scarping ink

8， 

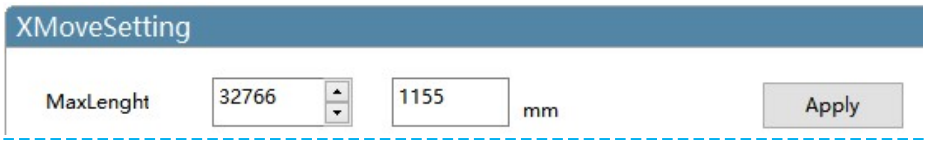
Pumping time：Automatic pumping ink time during cleaning；

The ink pump intensity：Strength of ink drawing

Choose the pump ink channel during cleaning：Choose which pump to clean

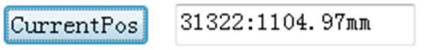
9， 

Check this option,automatic flash after restart,avoid print head blockage

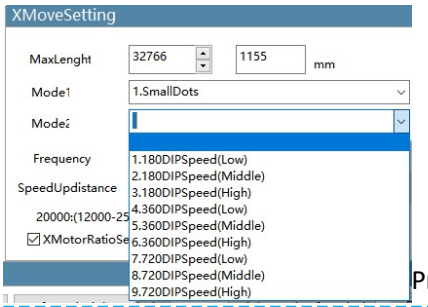
10， 

Limit the maximum distance the unit can move in X direction

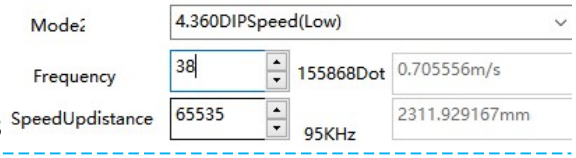

Move the unit to the farthest distance View the current grating location

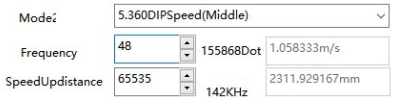


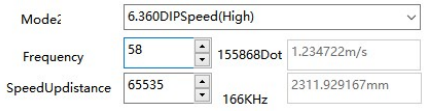
Fill in the number click apply，done!

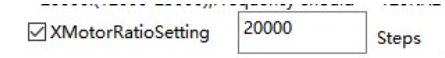
11， 

Print speed Settings: choose 360 DIPSpeed

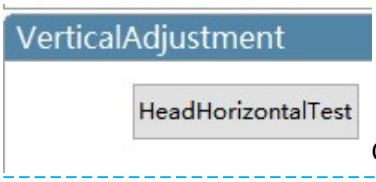
Low speed 38 

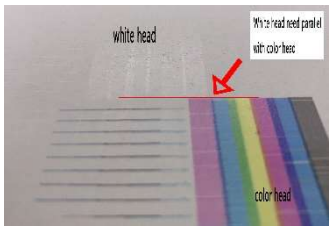
Middle speed 48 

High spped 58 

12， 

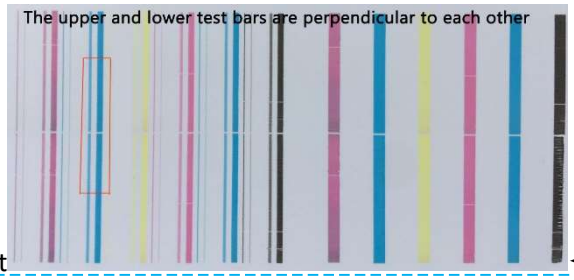
Automatic test motor gear ratio：fill the number 20000，if motor test number is between 1200~2500，then the gear set is right

13， 

Calibrate the two heads horizontally parallel， 

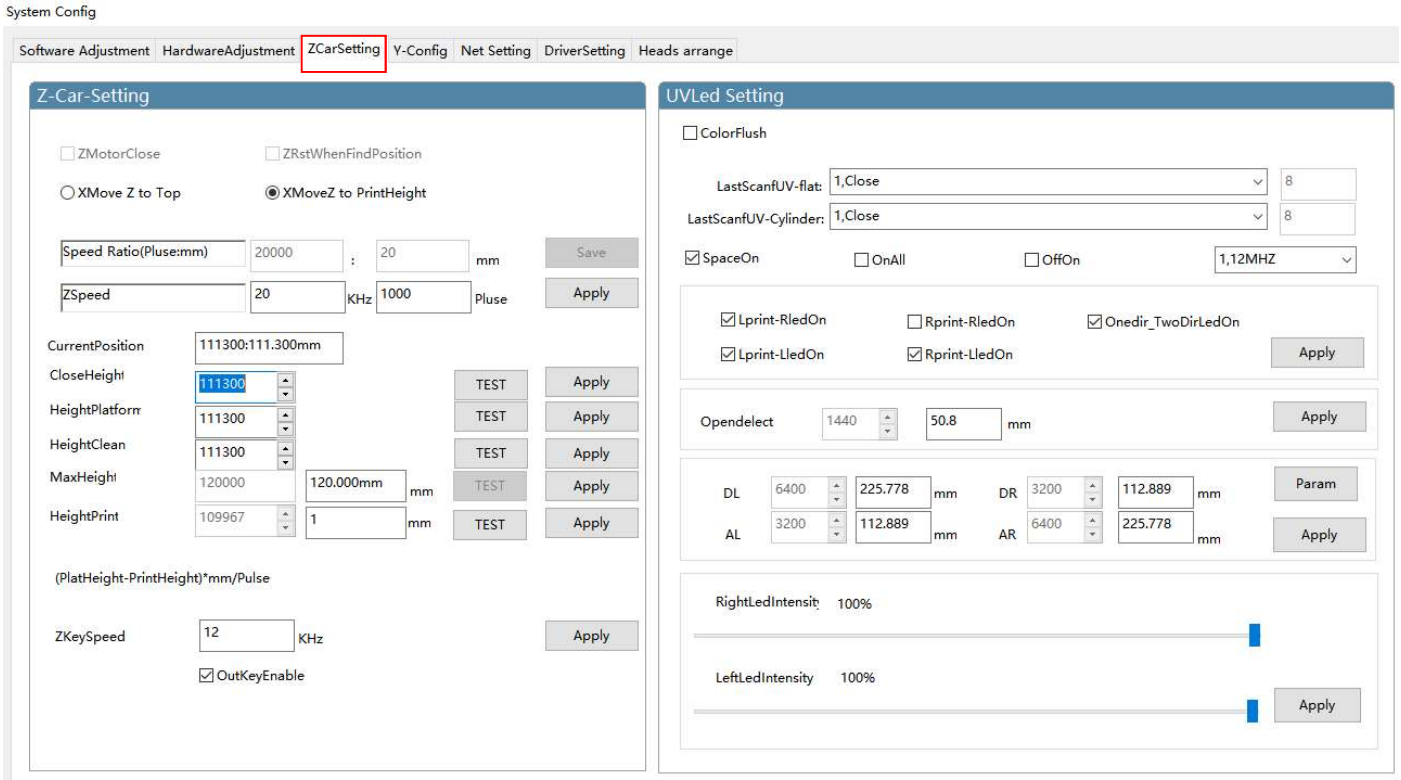
14， 

X moving direction and Y’s are perpendicular during printing

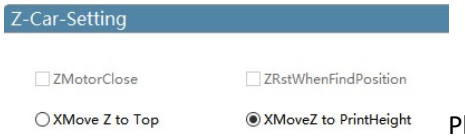
Click test，Move print head slightly to adjust and test 

←Adjust to figure

Carriage unit setting



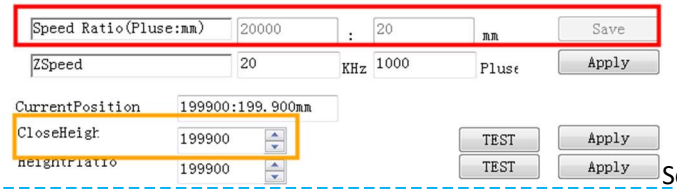
The higher the adjusted impulse value, the closer the unit is to the flatbed（The optimal distance is 2mm from the flatbed of the print head ）Test the best position and click apply to save



1， Please turn on the print head motor

X Move Z to Top：move the unit，the unit automatically rises to the highest point then moving left or right

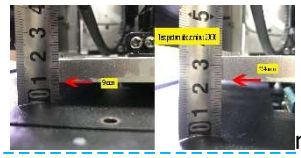
X Move Z to PrintHeight：move the unit，the unit rises to the set height of Z then moving left or right



2， Set gear ratio of 20000 first,

For example the close height is 199900 ， Change the value minus 20000，

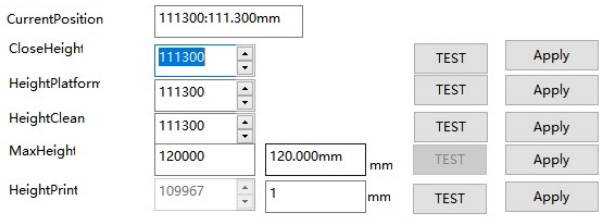
Take a ruler and measure the distance between the unit bottom and the flatbed，click test，



minus 20000

Pulse z moving distance is 15mm ， Fill the value into the gear ratio

click save

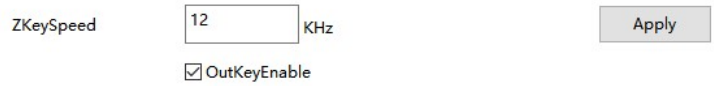


3，Close Height：The unit falling height Height Platform：The car descends to the platform's height (It is recommended to set the distance above 2mm to the platform)

Max Height： the farthest distance for Z axis goes down

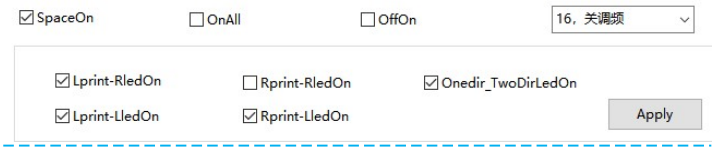
（Suggest Clean height close height and height platform to be consistent)。

Restart the line and slowly move the head to the left. Confirm again that the height of the print head is more than 2MM above the flatbed to ensure the safe distance of the print head）



4，Check the ✔，Machine out key can control the head lift

5，When printing textile or bottles, UV lamp extended irradiation time by tailing

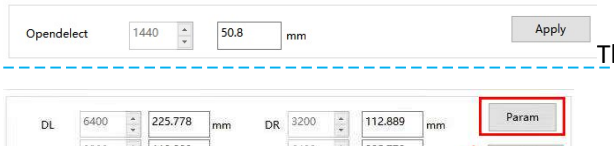


6，

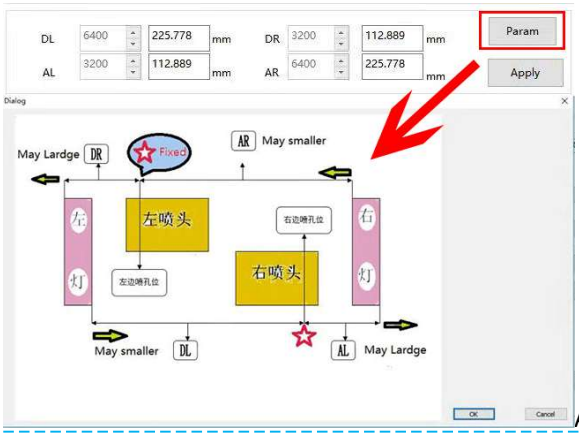
7，UV lamp space on：The UV light is on when printing；On All:UV lamp keeps on；Off On：UV lamp keeps close

L print-R led on： right light on when printing to the left R print-R led on：right light on when printing to the right

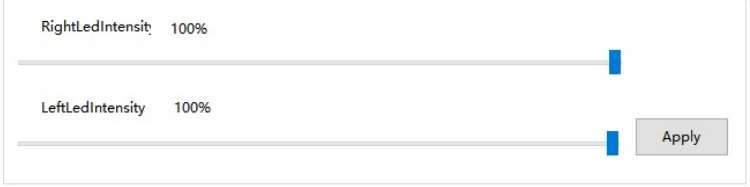
L print-L led on： left light on when printing to the left R print-L led on：left light on when printing to the right



8，The UV lamp illuminates in advance before printing

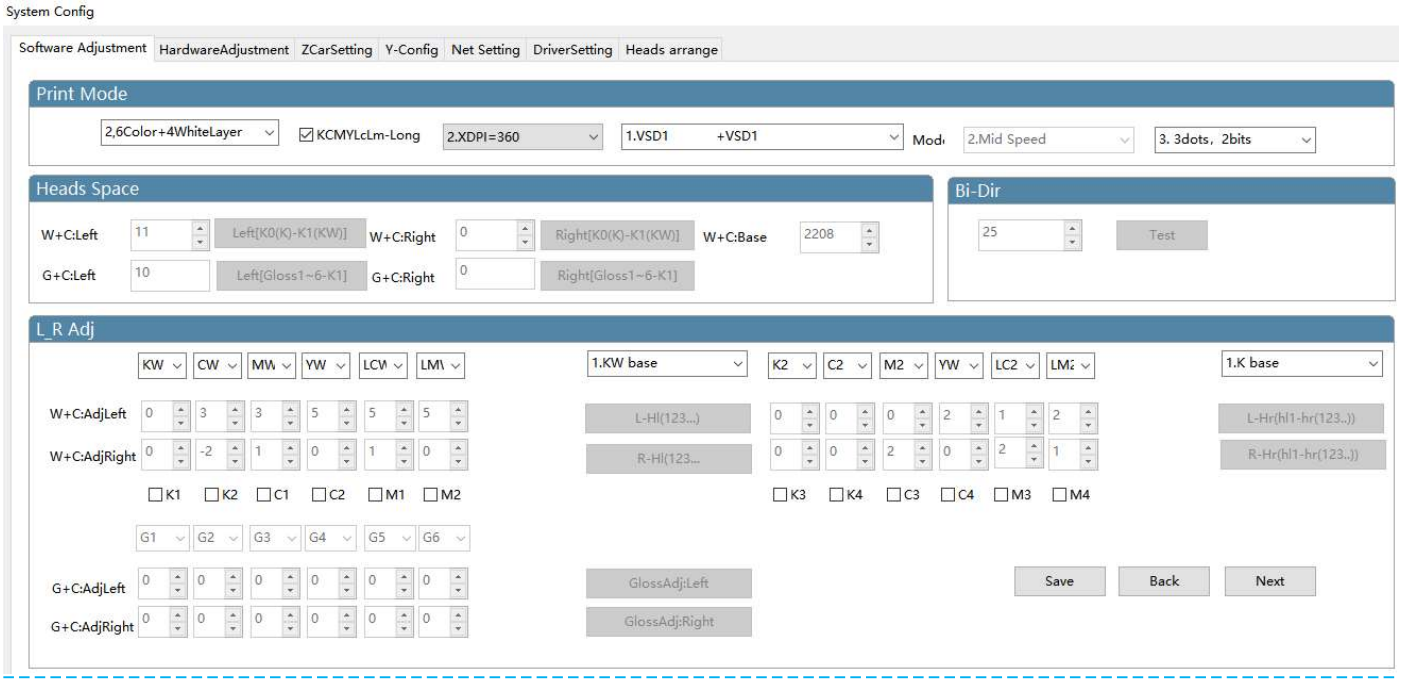


9，According to UV lamp specifications，measure the distance and fill in

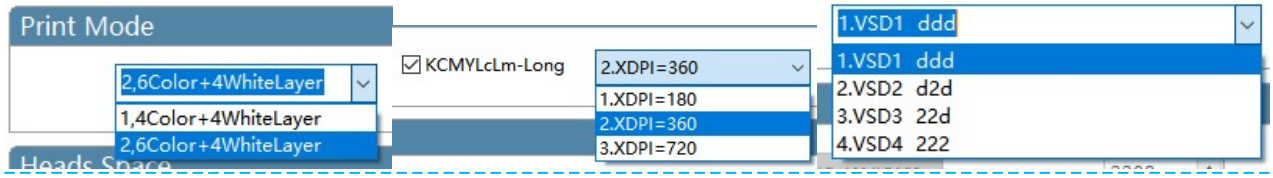


10，Control UV light intensity

Software Adjustment

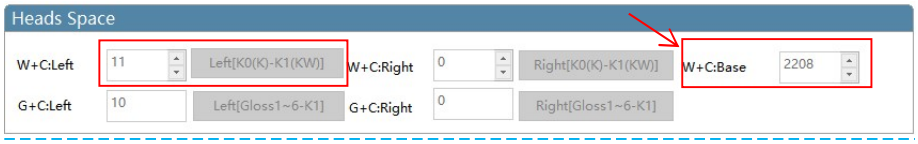


1，



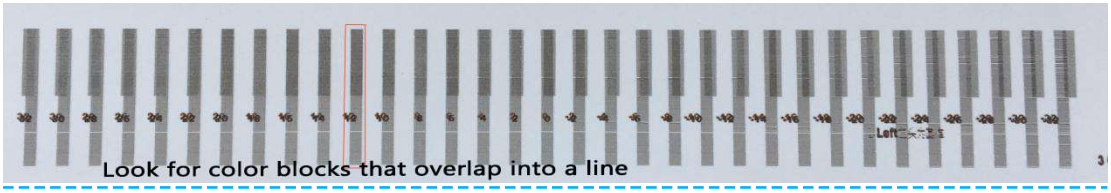
Select print mode based on print configuration and ink（**Select the best color printing mode according to the company suggestion，Please do not change it.**）

2，



W+C:Left：Move to the left and print color to align with white

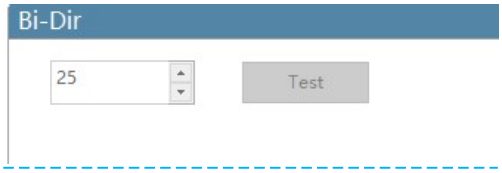
The calibration is based on the left head，make sure the white and color has a left interval of 0，click the test and observe the test bar，find the number where the color blocks overlap，add or subtract the original value of the white and color datum，save，**Calibration standard is the test bar 0 position color blocks overlap into a straight line.**



W+C:Right：Move to the right and print color to align with white

Click the test bar to directly fill in the original value and add or subtract

Print the picture at left and right intervals，then manual calibration

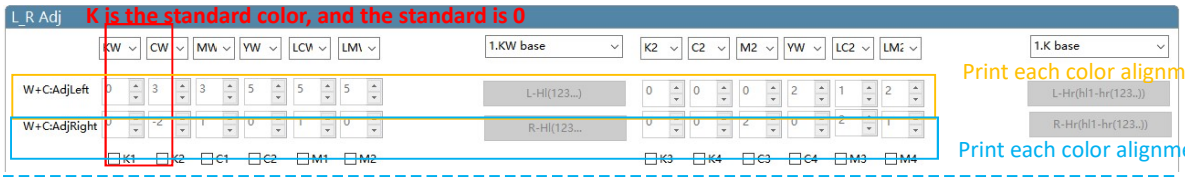


3，

Print the color alignment of the unit to the left and to the right，same with test bar，fill in the numerical add or subtract

4，

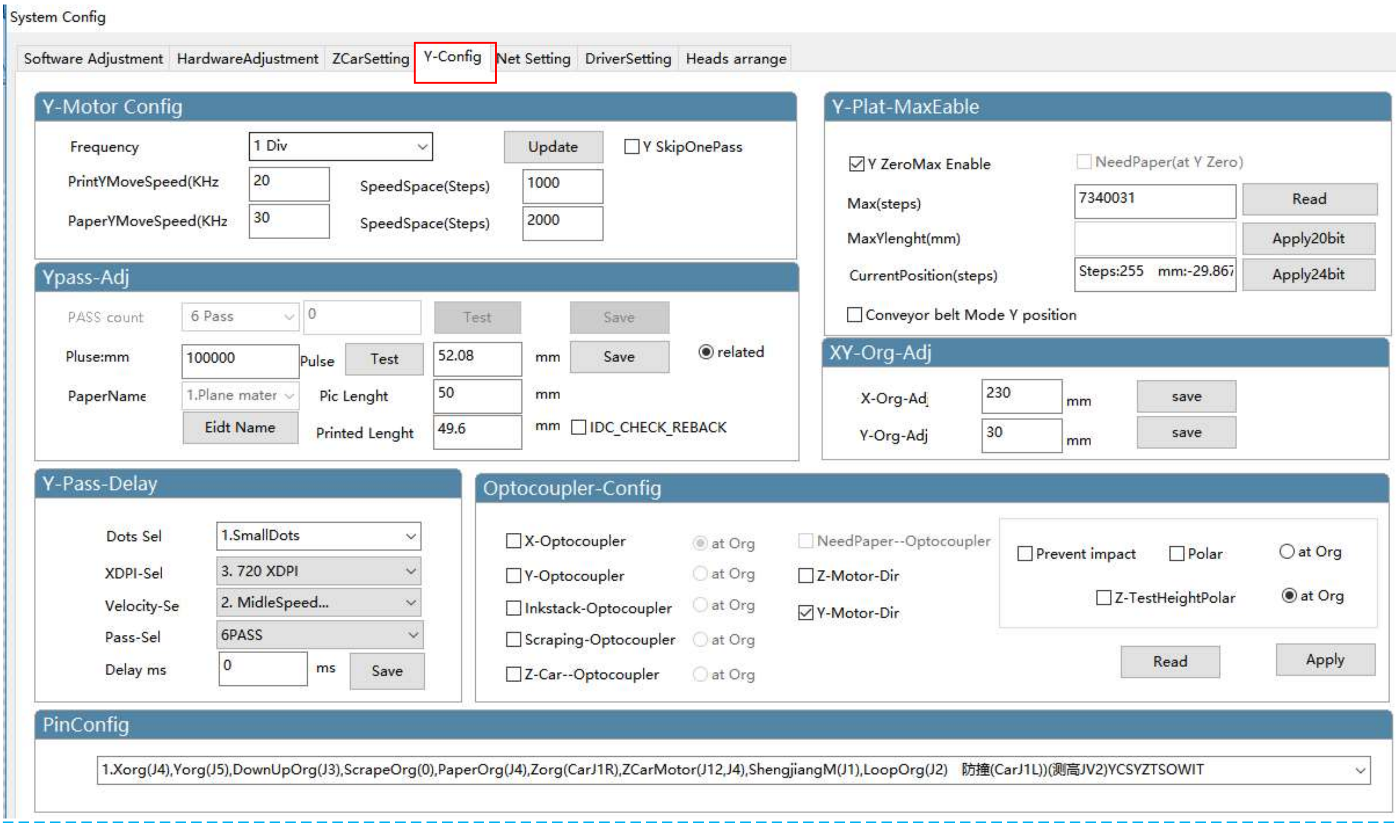
Move the white and color head to print left and right ， color calibration for each channel，K is the reference color "0".，click test，observe the test bar，fill in the numerical add or subtract

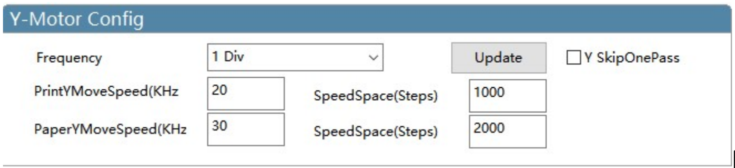


5，

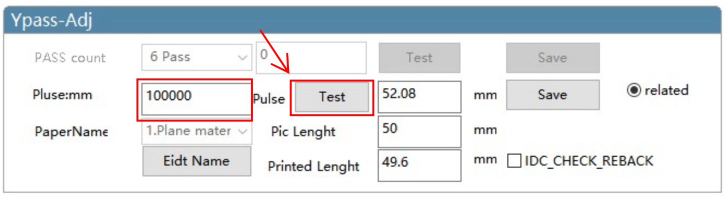
When the test bar appears logical inverse，click the channel，correction logic，please do not check any channel in normal time

Y-Config

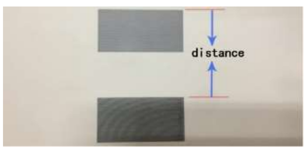


1， 

Print and paper running speed Settings

2， 

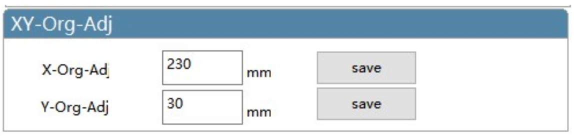
Calibrate the Y print step， fill in the number， click test， measure the distance between the two color blocks



Fill in the measured distance， save

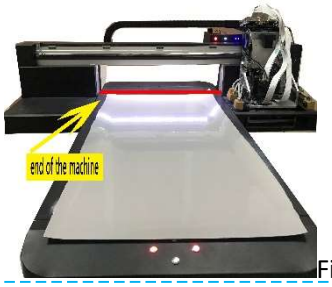
3， 

Correct the paper step again.For example： Plot the length of Y is 250mm， The actual size of the printing is 249， Check the √ compensation again

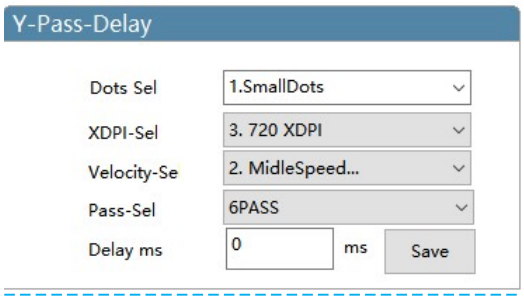
4， 

X,Y-Org-Adj：set the origin of XY to be 0，print the location

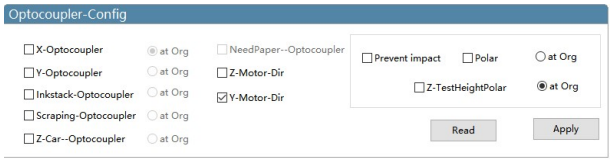
image， measure the distance of XY starting point and the starting location that needs to be located, Input corresponding value, click save（If the print image exceeds the registration point, you need to subtract the corresponding value at the XY origin compensation, or add the opposite ）

5， 

Fill the current position with the "maximum advance value",ues 24bit

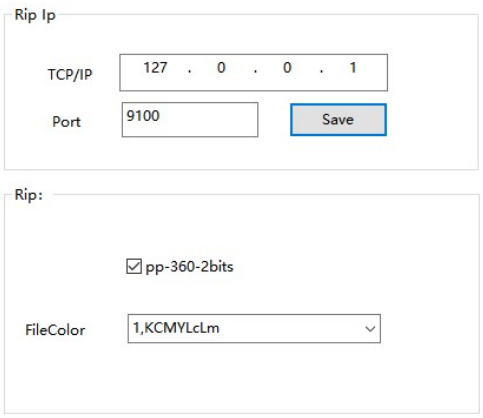
6，


Y-Pass-Delay：When unit print to the left, it will stop for a time delay before continuing to print to the right

7，


Optocoupler polarity is set according to different types of optocoupler，if the optocoupler does not respond, need to check the optocoupler polarity，please do not change under normal circumstances

Net setting



Print directly on montop's drawing,

Net setting setting method：

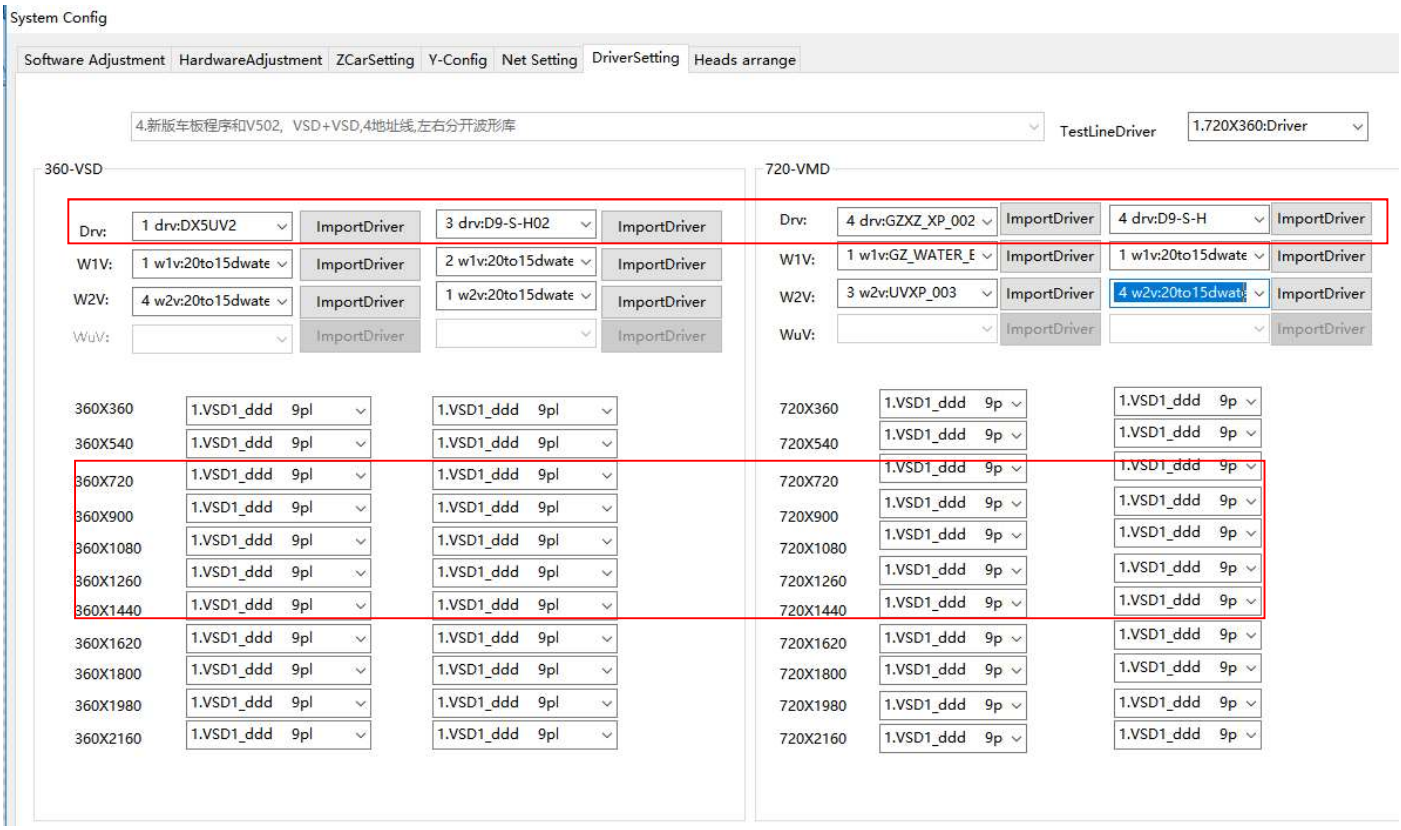
After the first printing file was sent by montop, the port was not added and the printing could not be completed.The method is as follows:

 (click to open the small computer in the lower right corner of the computer)Or open montop one by one.

Montop--MON-mt_mon **operational procedure-management-the port set-Setting TCP port-Add the** port-IP address 127.0.0.1

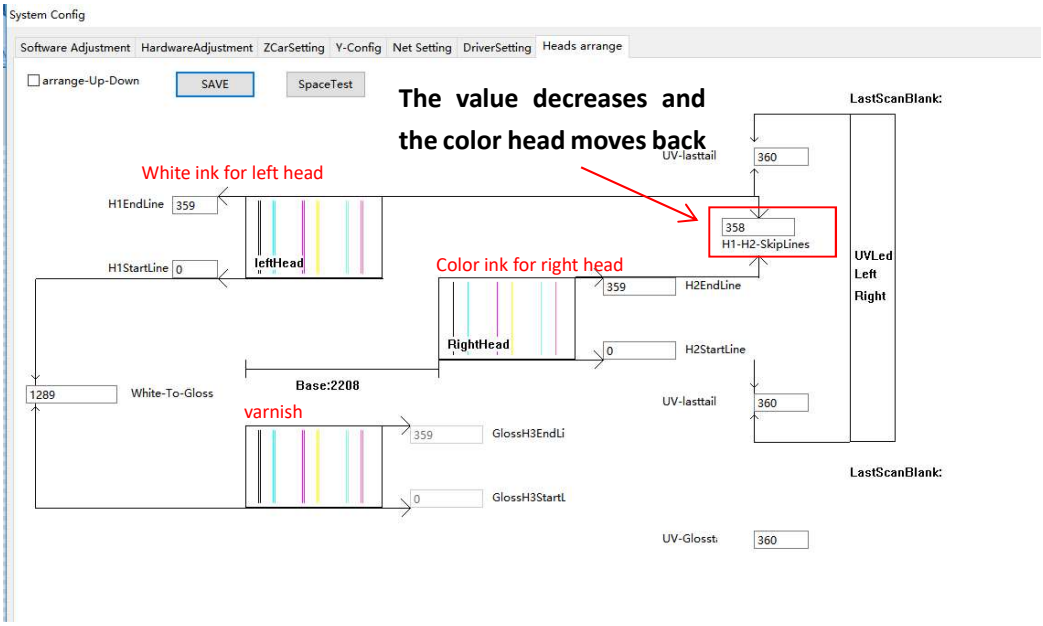
Detection-Jump out of the 9100 port number-Successfully adding

Driving setting



Print drive choose 360 ddd9Pl，white ink and varnish use drv.DX5UV2 inkjet driver，color use drv.GZXP6-LIGE10
This configuration depends on the ink selection, please do not change it

Heads arrange



After vertical adjustment of print head，Painting found before or after white ink and color ink have dislocation,can be adjusted by the print dislocation interval value，software to alignment；

Adjust the white ink on the left head as the benchmark， reduce the value and move the color ink back（The length of the ink hole of the TX800 print head is 360）

Tx800 Color print head ink out sequence