User Manual

Thank you for the purchase of HONEST KONICA (KM256, KM512) series products from SHANGHAI ALLWIN TECHNOLOGY CO., LTD.

In order to ensure a comprehensive understanding of the product on the basis of the correct use in safety, do be sure to read through the operation manual and ensure their safe custody.

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We have tried our best to edit the manual and test the product, if you find any fault or printing error, please let us know and we will be most grateful.

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HONEST (KM256) DP Manual

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1 Notice:

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1.1 About the Printer Manager

ALLWIN Printer Manager Software provided has set the machine parameter, the calibration printer head, updated the firmware and cleaned the printer head functions.

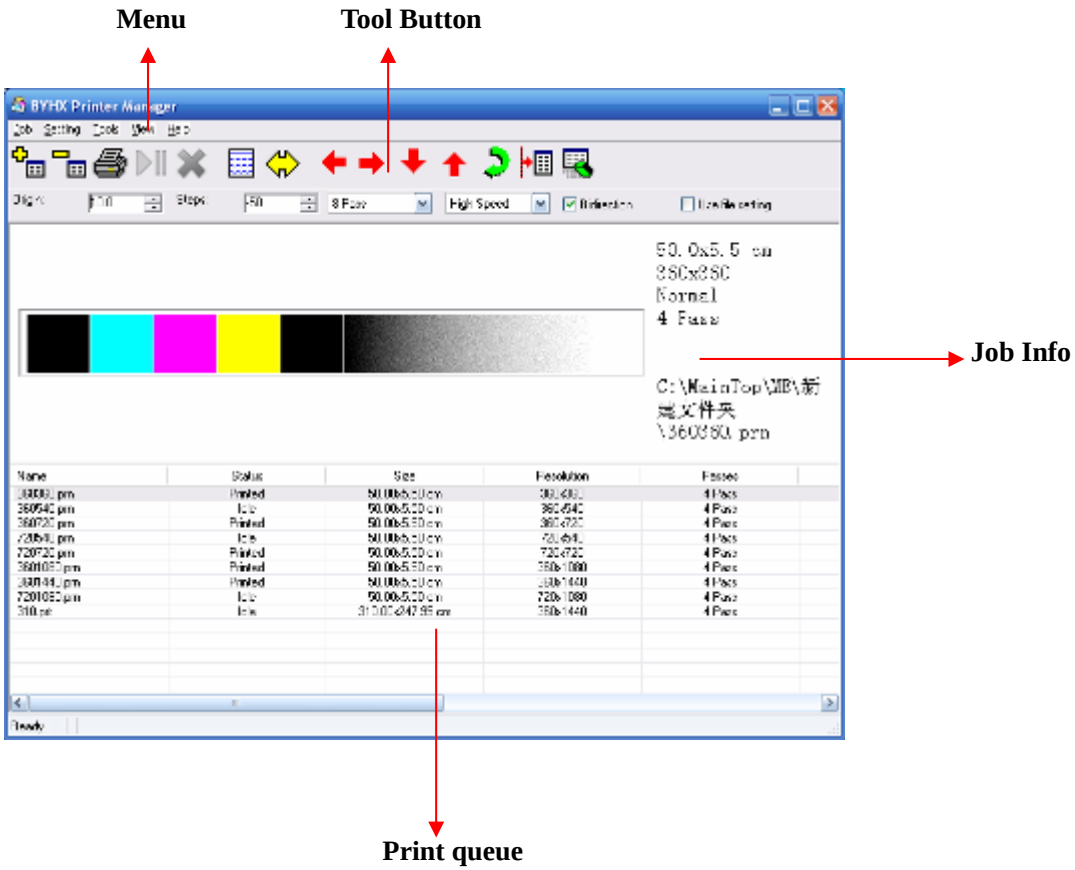
1.2 Software Installation

According to following step to install Printer Manager software：

1. Run Setup.exe
2. Install software according to the screen prompt.

The software need the system to install Dotnetfx.1.1 or above the version, In the installation process to install this software automatically.

Software interface

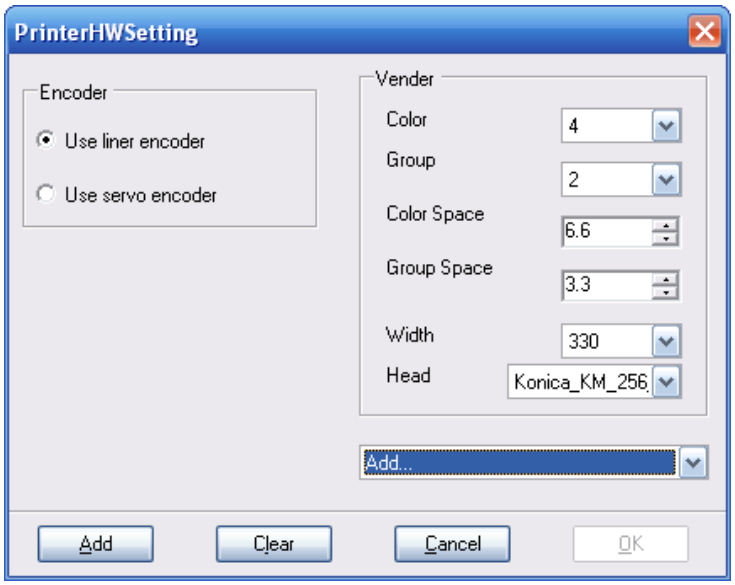


1.3 Hardware Setting

The “hardware setting” provided the flexible system use. You can set the different printer head type; the color number and the print head group number in the software according to your machine.

Step one ： Printer Hardware setting

After the software installed, the first step must be the “hardware setting”, otherwise the machine can’t start. Enter the setting menu— “hardware setting” function and setting the printer hardware option：



Step two：Select Encoder

Select “use linear encoder” or “use servo encoder”, switches directly in the software.

Step three：Select Resolution（Hardware resolution）

Here provided three kind of hardware resolution：180, 360, and 720. Printing speed and quality are subject to different resolution.

Step four：Select print head type

Select print head type, KONICA_KM_256M.(M=14PL　L=42PL)

Step five：Color

Select color number：6 or 4.

Step six：Group

Select printer head group number1or 2.

Step seven：Width

Color Space: 6.6

Group Space: 3.3

The color space and the group space can act according to the color and the group number which you choose. You could also change the number with your own need.

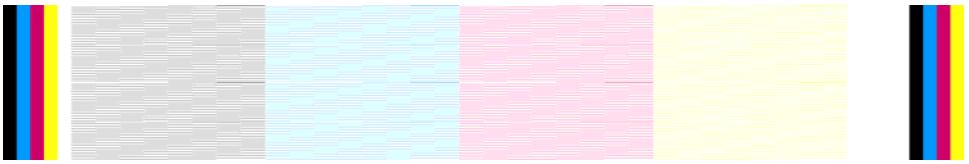
After completing all settings, click enter, so the parameter will store in the motherboard..

2.1 To print good quality job quickly

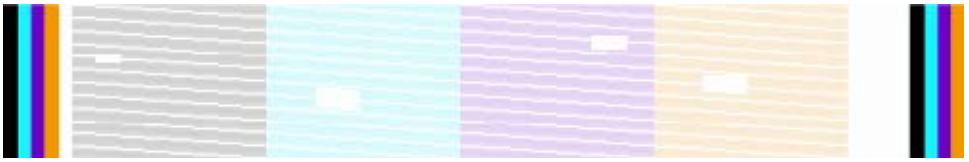
Step one：Head nozzle check

Click  button, check the test pattern, see figure：

OK



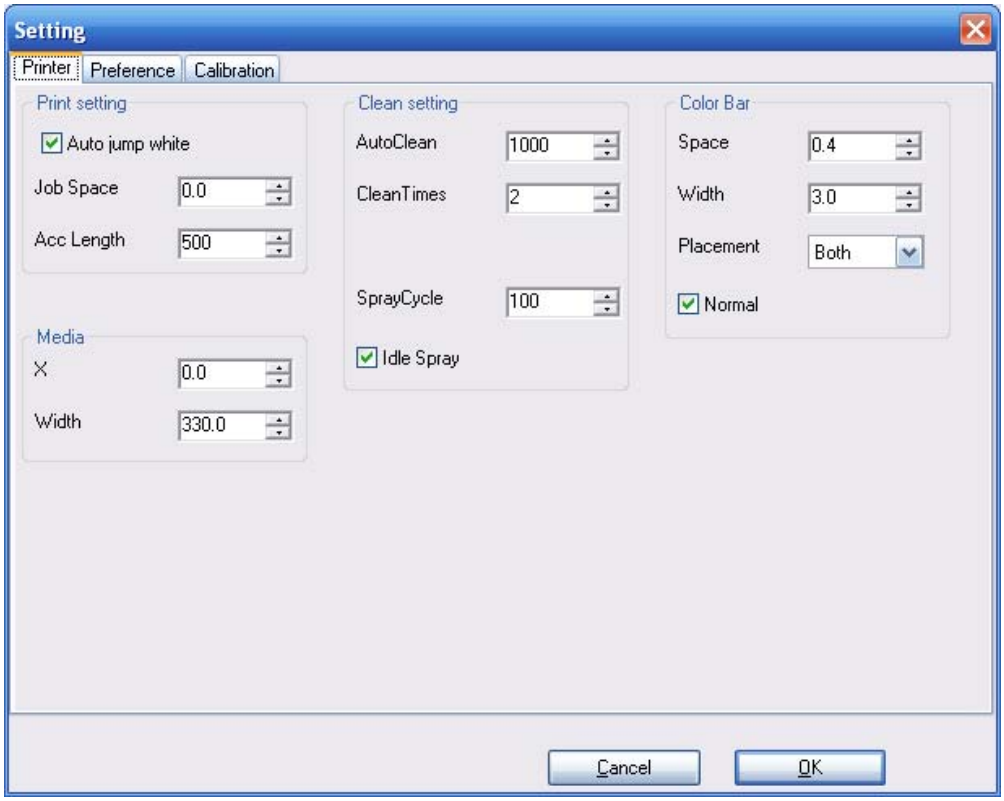
NG(need clean)



Step two：Cleaning print head

Cleaning the nozzle has two types: one is automatic cleaning and the other one is manual cleaning.

Automatic cleaning：first setting auto cleaning times in the setting menu，see figure:



The higher the number in “clean times”, the longer the cleaning time last. Setting clean times according to

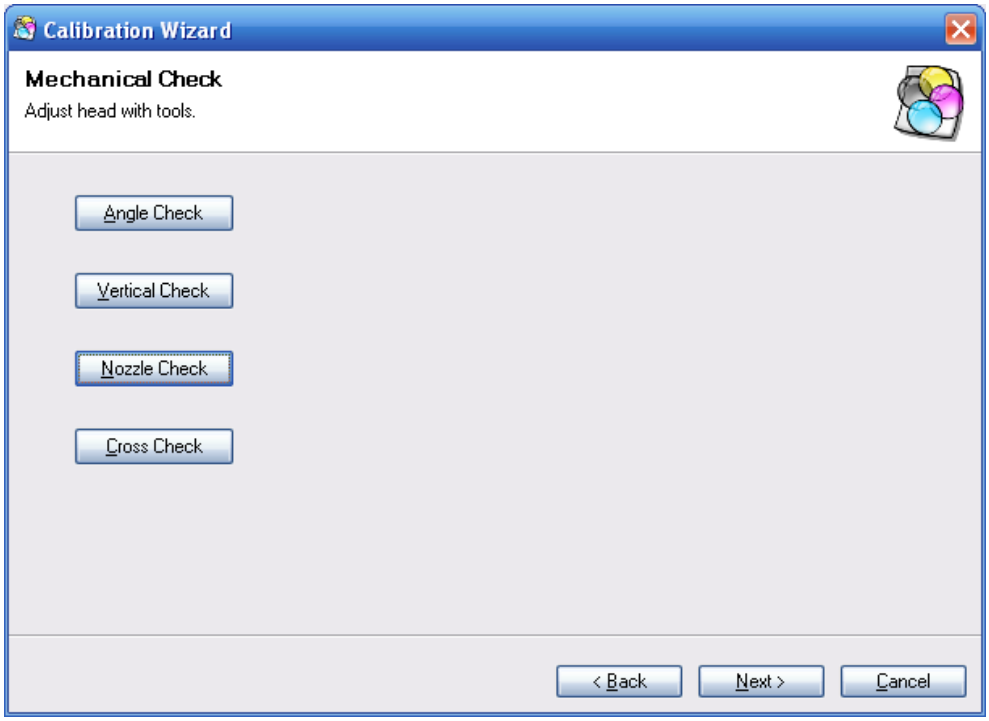
the nozzle broken status, Then perform  is the automatic cleaning button.

Step three：Setting print origin

Click the  move button，Move carriage to the propriety position，perform the  button to set the print origin.

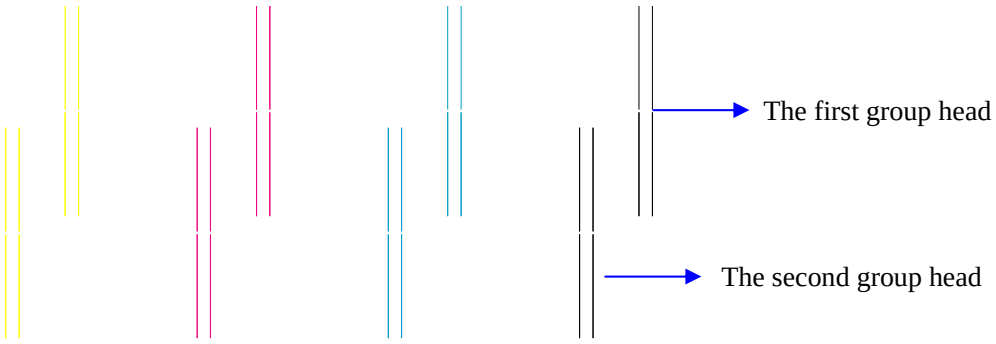
Step four：Calibration print head

Run the tool menu---calibration wizard function.

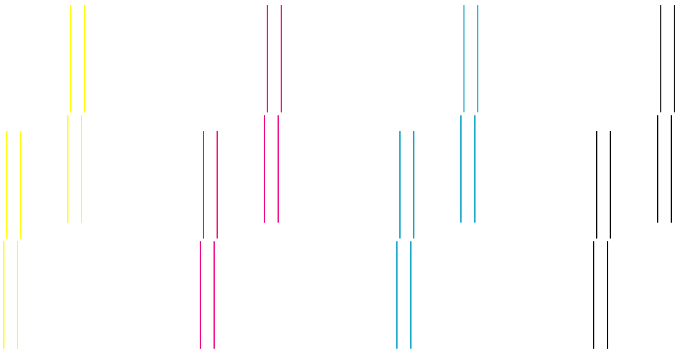


Angle “Check” to check the printed pattern, see figure:

OK

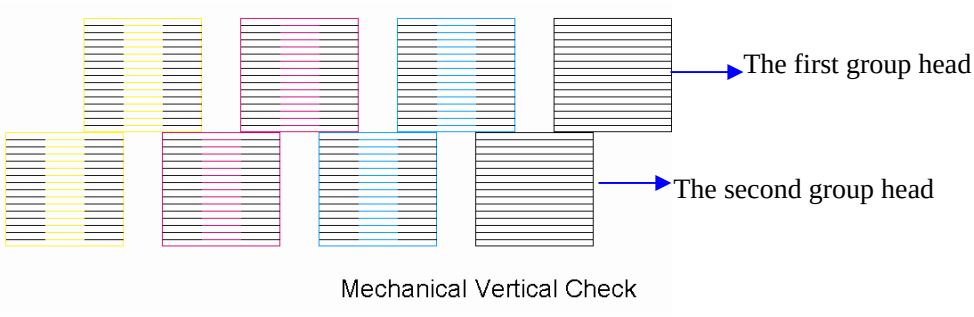


NG: If the pattern is not in a line, the operator need to do the physical position adjustment ：

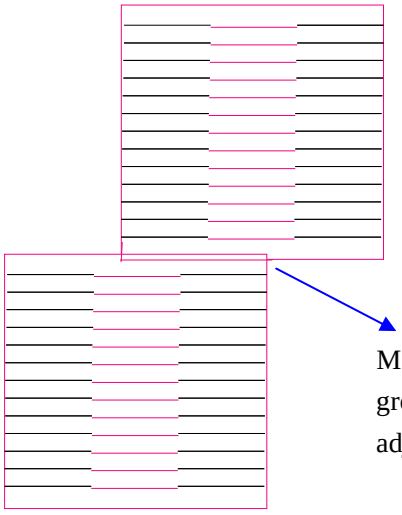


Vertical check, check the printed pattern, see figure:

OK

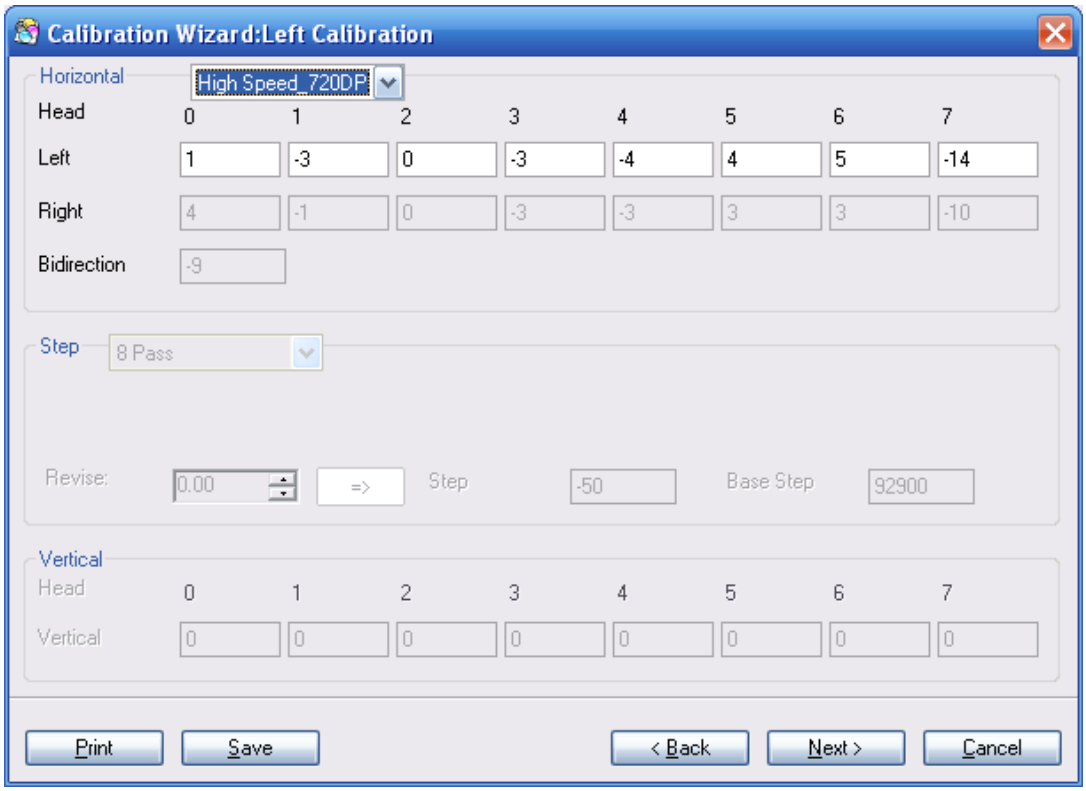


NG: If the pattern is not vertical, the operator need to do the physical position adjustment：



M of the first group and M of the second group appear overlap, vertical direction adjustment head.

After the above operation, click “next”:



Choice speed: High speed; Medium speed or low speed

The horizontal left calibration, perform the print, check the printed pattern, take M as an Example, see figure:

This position M and K completely to evenness

The choice pattern to the evenness position, and input correspondence numeral, the method is to add or subtract to the original foundation. Duplication this step, until the best position is on “0” position arrangement.

Click “next”, the horizontal right calibration, perform print, check the pattern, take M as an example, see figure below:

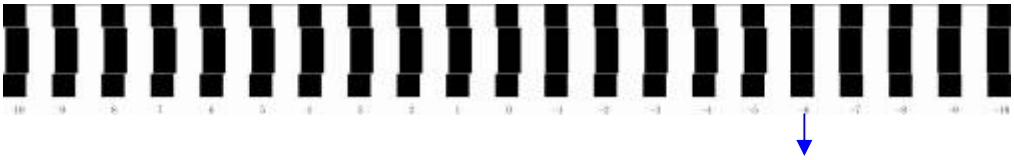
This position M and K completely to evenness

The choice pattern to the evenness position, and input correspondence numeral, the

method

is adds together in the original foundation. Duplication this step, is most evenness until 0 position arrangement.

Click “next”, the Bidirection calibration, perform print, check the pattern, see figure below:

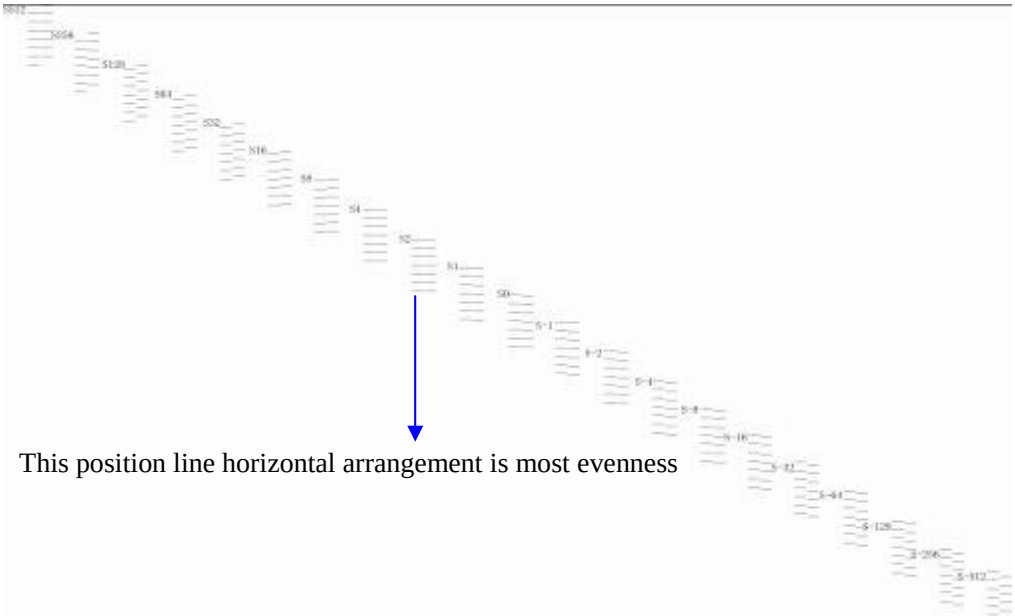


This position K completely to evenness

The choice pattern to the evenness position, and input correspondence numeral, the method

is adds together in the original foundation. Duplication this step, until 0 position arrangement.

Click “next”, step calibration, chose the pass first, perform print, check pattern, see figure below:



This position line horizontal arrangement is most evenness

The choice pattern to the uneven position, and input correspondence numeral, the method is adds together in the original foundation. Duplication this step, is most uneven until 0 position arrangement.

Click “next”, vertical calibration, perform print, check pattern, see figure below:

This position line horizontal arrangement is most evenness

The choice pattern to the uneven position, and input correspondence numeral, the method is adds together in the original foundation. Duplication this step, is most evenness until 0 position arrangement.

Click “next”, complete the calibration.

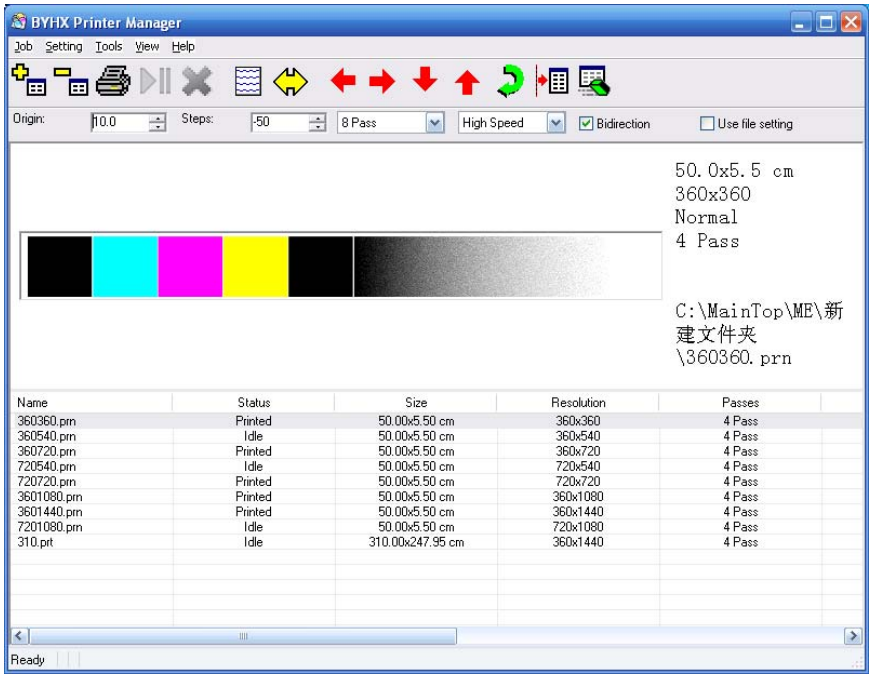
Step five：Printing already RIP job

Click  to add job, the support format is .prn and .prt. Click  to print

UI

3.1 Main layout

Main layout has two display mode: Normal and wide screen

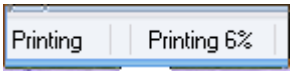


3.2 Toolbar

3.2.1 Print toolbar

 : **Add print job**, open the job, the job will be added in the print queue.

 : **Delete the print job**.

 : **Print job**, the status window will display. 

 : **Pause or Resume**.

 : **Abort job**, Stop the current printing job.

3.2.2 Clean toolbar

 : **Check nozzle**, check the print head's nozzle status.

3.2.3 Move toolbar

 : **Move left**, hold down this button, the carriage moves left, lift this button, Stop moving, but it will stop automatically when move to the left limit.

 : **Move right**, hold down this button, the carriage towards right move, lift this button, Stop moving, but will stop automatically when move to the right limit.

 : **Move forward**, hold down this button, feeding media towards forward, lift this button, Stop feeding.

 : **Move backward**, hold down this button, feeding media towards backward, lift this button, Stop feeding.

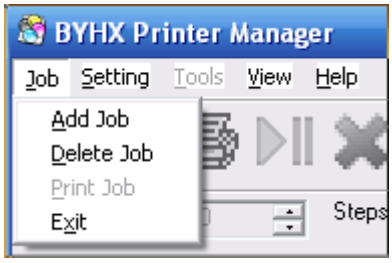
 : **Move the carriage to home station**, regardless of any position of the carriage, it will return

to the home station.

 : **Set print origin**, first move the carriage to some position, Click this button, the printer will remember this position, then returns to the initial station.

4.1 Menu

4.1.1 Job



Sees the print toolbar in detail, the function is same.

4.1.2 Setting

Save:

Save the current setting to a file, this setting including all parameters, clean parameters, printing parameters, motion parameters and calibration parameters.

Load:

Load the parameters from the saved file to the current software.

Save to printer:

Save the current setting to the printer mainboard, including all parameters, clean parameters, printing parameters, motion parameters and calibration parameters.

Load from printer:

Load the parameter from the printer mainboard to the current software.

Edit:

Setting all parameter, this setting including all parameters, clean parameters, printing parameters, motion parameters and calibration parameters.

4.1.3 Tools

Update:
Perform the update, Select update file, the update Start.

Demo Page:
Automatically print the demo.

Calibration wizard:
See the Calibration wizard in detail

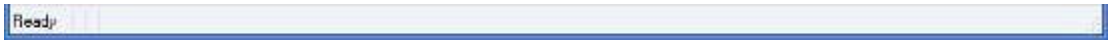
4.2.1 View

See the 03.1 Main layout in detail:

4.2.2 About

About the windows:
Show the copyright and the software edition information, as well as help documents. Click help button to show and transfer Acrobat document in PDF format.

5. 1 Status Bar



The software obtains the control board status through the USB connection, and demonstrates

Power off:

When the equipment is out of power, with no connection with the USB line, the cleaning button, printing button, moving button are all forbidden (to change ash).On the contrary, the order of printing work f is the permitted, for example; add printing work.
When wait for printing work, the printer ordinary flashes in the original place.

Printing:
When the printing work was in process, it can not simultaneously be done with the stopping, suspension and cleaning status.
Pause:
The printing work has a pause
Stop:

The printing work was stopped

Clean:

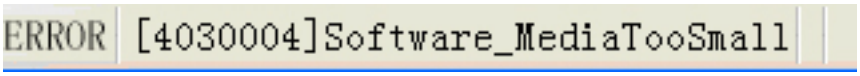
When the machine got the order to clean, and act the order to show it.

Move:

During the process of moving the carriage to some position.

Error:

Ink-jet printer has a error, include the reason caused by the software and the control board. Be attention: not only the error but also the description of the error.



6.1 Parameter setting dialog box

6.1.1 Common parameter setting

Print origin:

The origin position of the print image

Step adjustment:

When print a large image, the cross band would appeared. Modified this step could avoid the cross band.

Use printing setting

The printing work has “pass”, “speed”, “bidirection or not”. If these data is true, the printing work should be subject to the data. Otherwise, it should be subject to the settings of the software.

Print Pass:

Express the support pass list(1-12). If the settings in the printing work is not true, and the pass was be chose as 4 pass, the printing work is 4 pass.

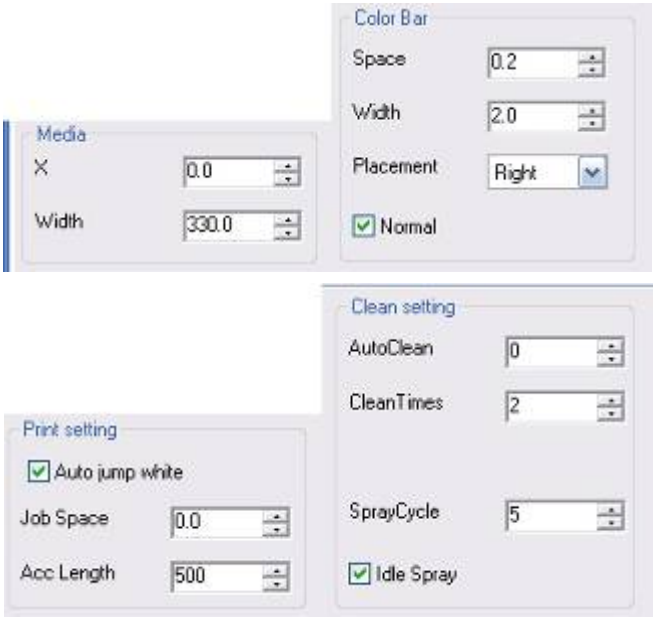
speed:

If the settings in the printing work are not true, and the speed is high speed, the print work would adopt high speed as a default.

If the setting in the work is not true and the direction setting is bidirection, the work would chose bidirection as the default.

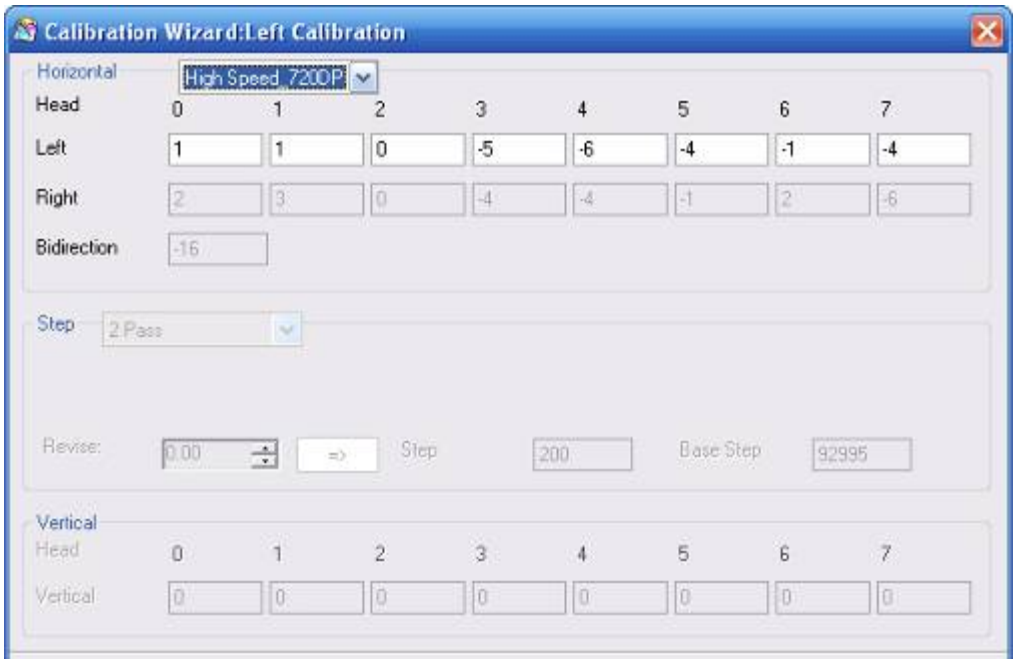
6.2.1 Parameter setting

6.2.1. ink-jet printer Parameter

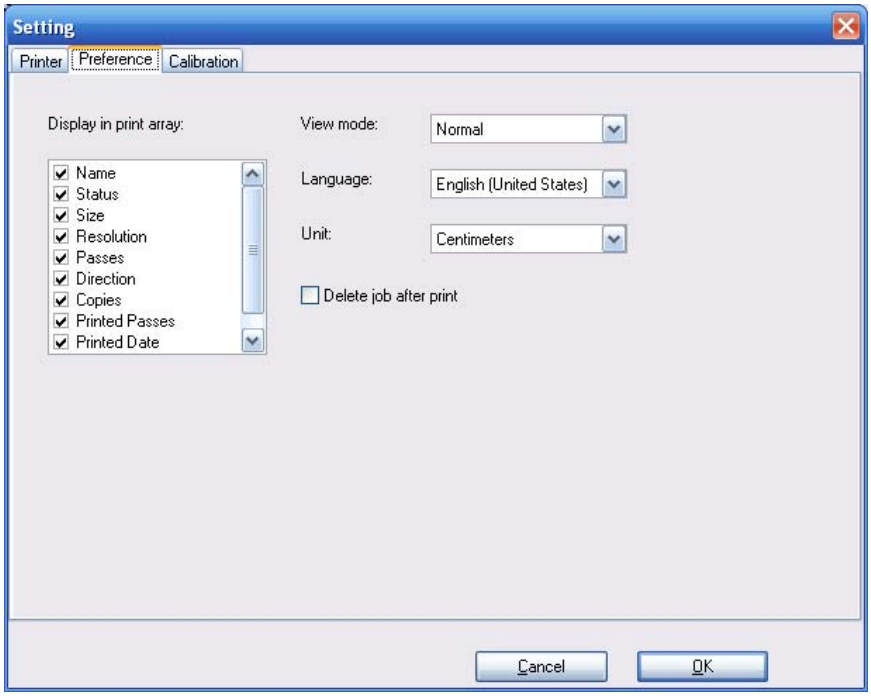


The details see the Parameter setting

6.2.1.2 Calibration Parameter



6.2.1.3 Individual setting



Print queue：

Operator could chose the necessary property in the print queue, include file name, print work state, print work dement ion, print work resolution, print work pass, file catalog, print date.

view：

More details in the “view description” of menu include normal and width screen.

version：

English, Chinese (simplified), Chinese (traditional)

unit：

meter, centimeter, millimeter，foot，inch

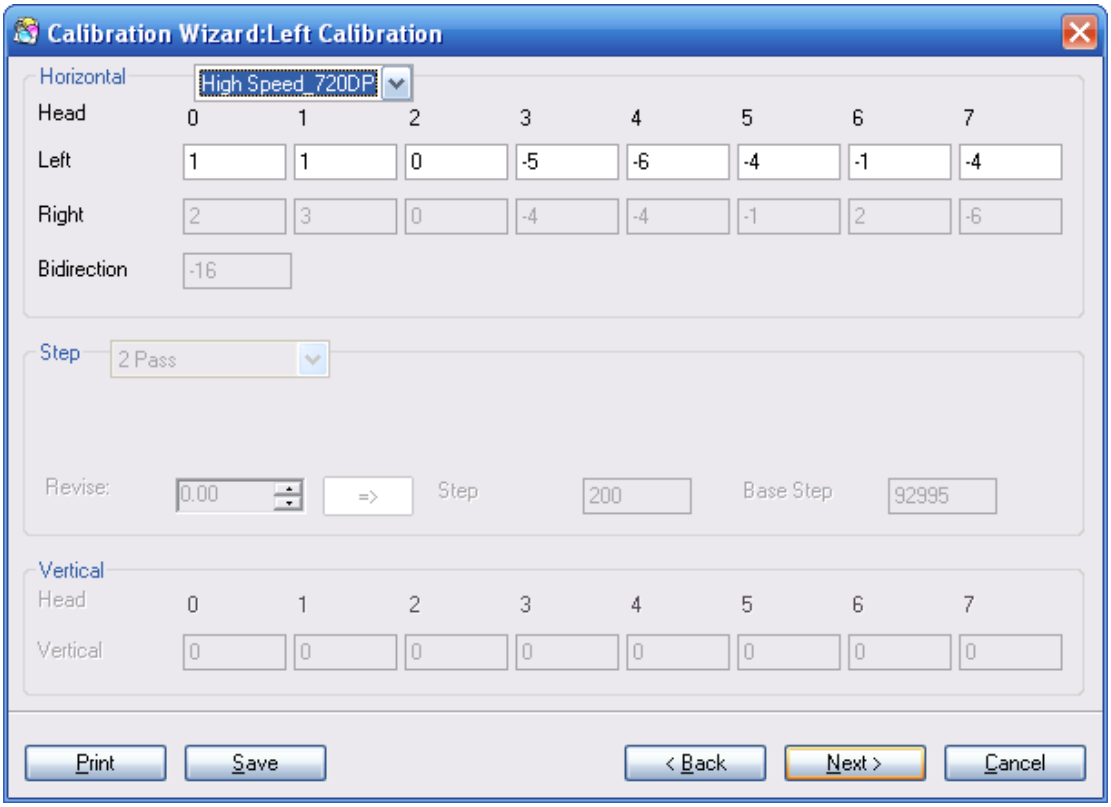
Delete the job after printing

The printing job will be deleted automatically from the list after the printing

Job file

Temporary saving file in the printing process and the default file path of opening and shutting

7.1 Calibration guidance



Calibration interface picture, fill the calibration value into its corresponding gaps, then turn to next step, and the gaps will be activated.

- horizontal calibration
- Adjust the horizontal warp of the printhead, left contraposition and right contraposition.
- bi-direction calibration

  Adjust the warp during the bi-directional printing

For the horizontal calibration of the printhead is related to speed of carriage board, the bi-directional calibration value is different according to different speed

- vertical calibration

  Adjust the vertical warp of the printhead
- step calibration

  Adjust the ratio of the Y axis step value and the pixel, each pass has a value.