



# User Manual

## V1.0

Thank you for buying our product

· To make sure your operation is right and safe, please read this manual carefully before use.

· Unauthorized copying or disseminating of this manual is illegal.

· The content of this manual including the product's parameters are subject to change without notice.

· Every effort has been made to ensure the accuracy of this manual, so if you find anything wrong or being omitted, please contact us immediately, and we will be very appreciate!

· Company shall not be liable for any errors or for direct or indirect incidental or consequential damages when use this printer.

· Company shall not be liable for any errors or for direct or indirect incidental or consequential damages in connection with the error operation.

Corporation



[www.Sign-in-China.com](http://www.Sign-in-China.com)

Online Shopping for AD & Signage Products

#### Statement

This product is A-class printer which may result in radio-interference, when it happens, please take measures.



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## User instruction



### Recommendation for computer configuration

Hardware:

CPU: 3.00GHZ

Memory: 4.00GB

Mother board: P68

Chipset: INTEL

Software:

WINXP-SP3

MICROSOFT WINDOWS XP PROFESSIONAL



# Safety introduction

Marks of ⚠ warning and ⚠ caution

<b>WARNING</b>	to warn the user that deformity, serious injuries or death may caused if any wrong operation.
<b>CAUTION</b>	to warn the user that injuries my caused or things may be damaged if any wrong operation.  * Damage means to damage your furnishing, decoration,animals, pets or others.

Various marks

	⚠ to remind user of important notes or warnings. Its concrete meaning depends on the figure in it. The mark on the left means: danger of electric shock.
	⊘ means never do such things, its concrete meaning depends on the figure in it, the mark on the left means never to disassemble.
	● to remind user of things that must to be done. Its concrete meaning depends on the figure in it, the mark on the left means plug must be pulled out from the socket.

## ⚠ WARNING



Can not be disassembled, repaired or refitted.

Otherwise it may cause fire or other damage.



Please use the power with the Rated value which labeled on the printer.



Earthing by using ground wire.

Otherwise electric shock may be caused.



When it is in error state, do not use any other power supply which may cause fire or electric shock.



Please use the power cord supplied by us only. If using other nonstandard power cord may cause fire or electric shock.



### ⚠️ WARNING



Do not use this printer under the following environment: open fires, electric spark, static electricity, high temperature or any place close to heat. Otherwise it may cause fire.



Do not put cartridge, cleaning solution or waste inks under the following environment: close to open fires, high temperature, any place close to heat, or close to bleach, chemicals or inflammable and explosive materials, otherwise it may cause fire.

### ⚠️ CAUTION



Keep your working environment well ventilated. Otherwise it may affect your health or cause fire.



Do not drop any ink or cleaning solution on your skin or eyes. Do not eat, drink, smell the ink and cleaning solution. All these behavior are harmful to your health.



If the ink or cleaning solution is splashed into your eyes, wash your eyes immediately with plenty of water at least 15 minutes and get medical attention.



If ink or cleaning solution is splashed into your skin, please wash your skin with water or soap immediately and get medical attention.



Get medical attention immediately if you have any ink or cleaning solution by mistake.



If you feel bad while smell the ink or solution, please go to the place where is well ventilated. If feel dizzy or blurred, please get medical attention immediately.

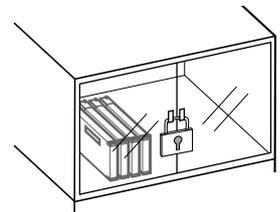


Collect the waste ink via our waste-ink-collecting container.

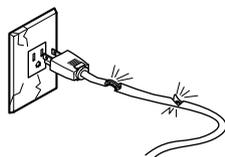
The fire or illness may caused if waste ink leak or evaporate.



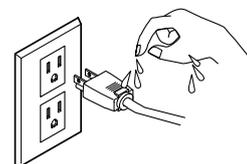
Keep the cartridge away from children.



Do not use broken or loose plug or power supply which may cause fire or electric shock.



Do not pull in or pull out the plug while your hands are wet. Otherwise fire or electric shock may occur.

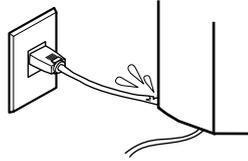




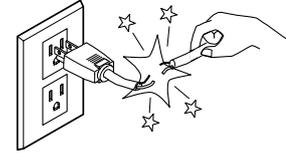
**CAUTION**



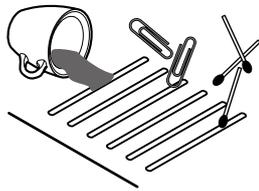
Do not damage the power cord otherwise fire or electric shock may occur.



When pull out the plug please seize hold of the plug not the power cord, otherwise plug might be damaged and fire or electric shock may occur.



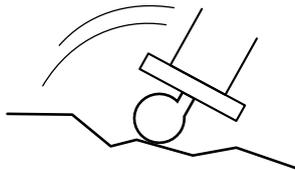
Keep it away from liquid, metal or inflammable materials as all these things might cause fire.



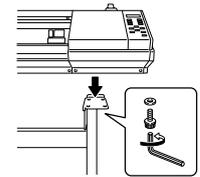
Suggest at least 4 people should take part in the process of tearing-off package, assembling or moving the printer. Otherwise the printer mightl fell off or broken.



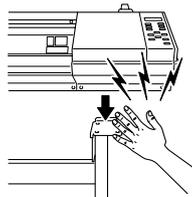
Install it on the flat floor to avoid roll falling off or damage.



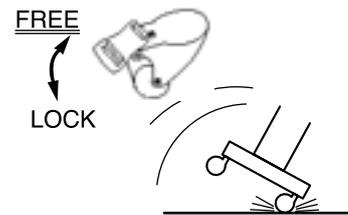
Fix this printer on its stand via connecting nut to avoid roll falling off or damage.



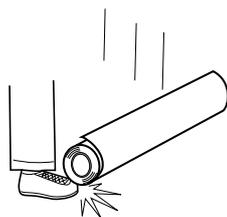
When put the printer on its stand please mind your finger.



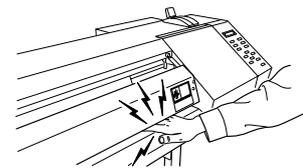
Please untangle the lock of castor first when you move printer,otherwise the printer might fall down.



Roll should be positioned on its predetermined place. Otherwise the roll may fall off.



Do not put your hand in printer during printing.

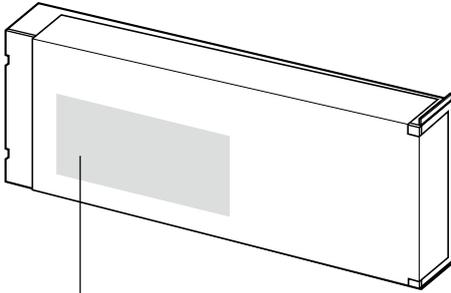




# Labels on printer

All the labels are on the surface.  
Below pictures will tell you their position and contents.

## Cartridge



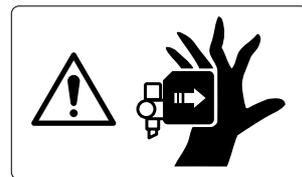
Keep the ink and waste ink away from open flame.



Ink and waste ink are poisonous,so please keep them away from human body and use them under the environment of well ventilated.

Do not disassemble the cartridge.  
Keep cartridge away from children.  
Do not keep the cartridge under extrem temperature, neither too high nor too low.

Inner outlook of front cover

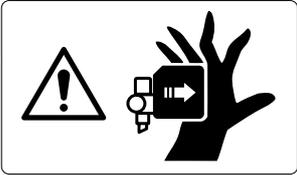
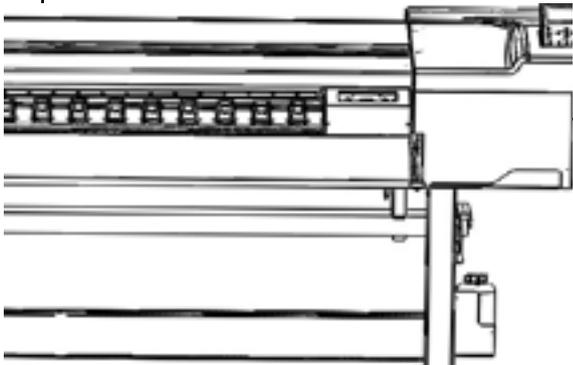


Mind your finger when close cover.



Inner outlook of front cover

The carriage will stop for emergency when you open the cover during printing. If you want to stop printing, please press "PAUSE".



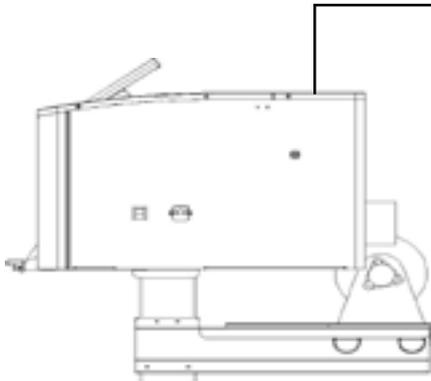
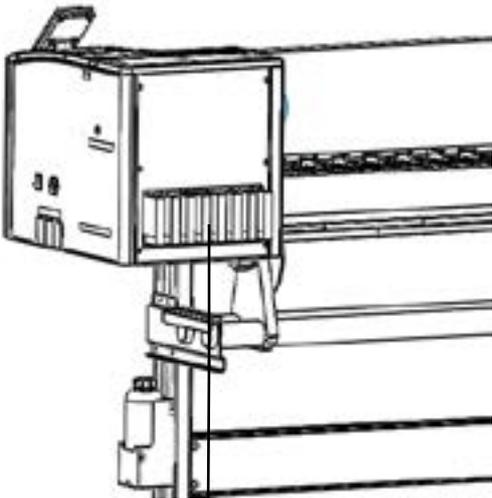
Do not put your hand in printer during printing.



Keep the ink and waste ink away from open flame.



Ink and waste ink are poisonous, so please keep them away from human body and use them under the environment of well ventilated.



Label of product name, model and rating value. Supplying with rating power.

Do not insert other kinds of ink cartridge.

Additional marks:

Notice: Providing you the info to prevent printer failure and ensure right operation.



:Offer you the skills and suggestions during operation.



# Package content

## 1 Accessories

Accessories checking



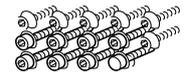
Power cord: 1



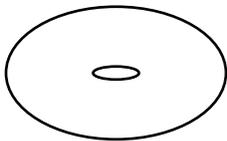
USB



Hexagon wrench(M6)  
(to assemble stand)



Nuts (big): several  
(To assemble stand)



Disk: 1



Encryption Lock: 1



R spring: 2



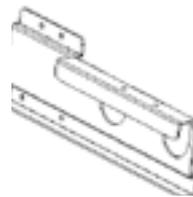
Damper: 1



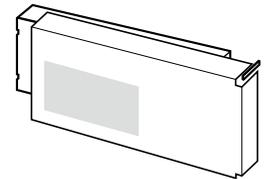
Left/right leg stabilizer  
: 2



RIP software: 1



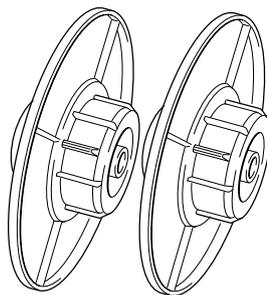
Paper holder  
installtion base: 2



Cartridge: 4



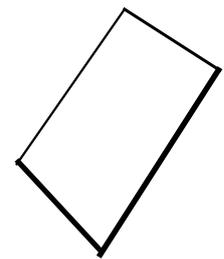
waste-ink-collecting  
bottle : 1



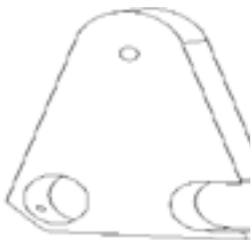
media holder; 2 set



Funnel: 6



User manual: 1



Feeder:1 pair



Clamp : 2 piece

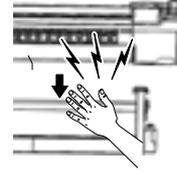


## 2 Printer assembling

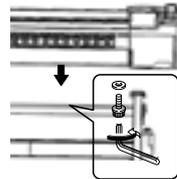
### ⚠ WARNING

**!** Suggest at least 4 people take part in the process of tearing-off package, assembling or moving the printer. Otherwise the printer might fell off or broke.

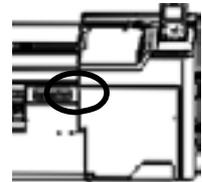
**⊘** Do not put your hand in printer during printing.



**!** Fix this printer on its stand via connecting nut to avoid roll falling off or damage.

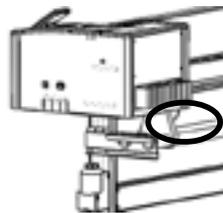


**⊘** Do not put your hand near cutter, it should cause injuries.

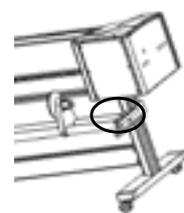


**NOTICE** Do not hold the positions which pointed in the right picture as it might cause damage to printer.

Left



Right

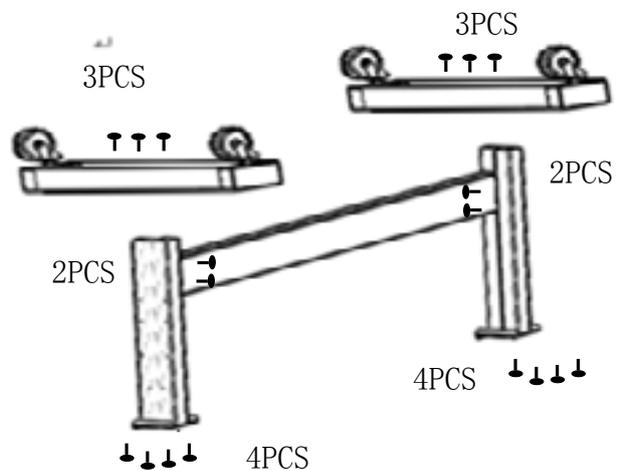


Assemble the stand first and then install the printer on it.  
The printer size is as below after completely assembled.

2500mm[W] x 758mm[D] x 1241mm[H] (98-7/16in. [W] x 29-7/8in. [D] x 48-7/8in. [H])

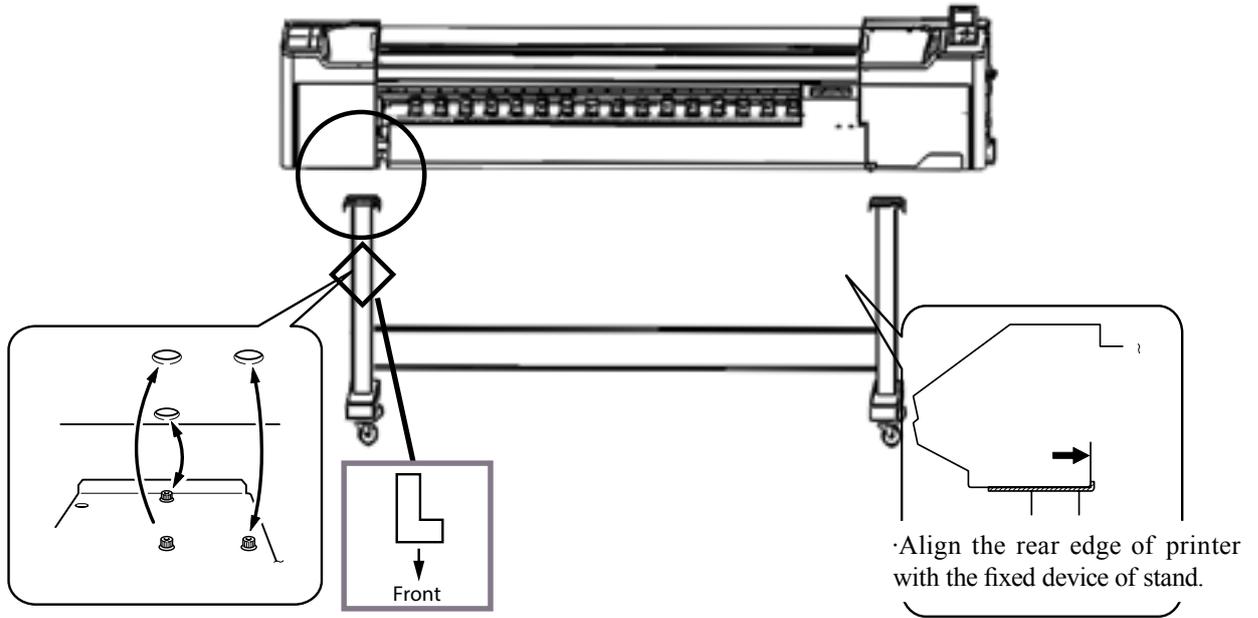
**1** Invert the stand and install the casters.

Tighten the screws up.

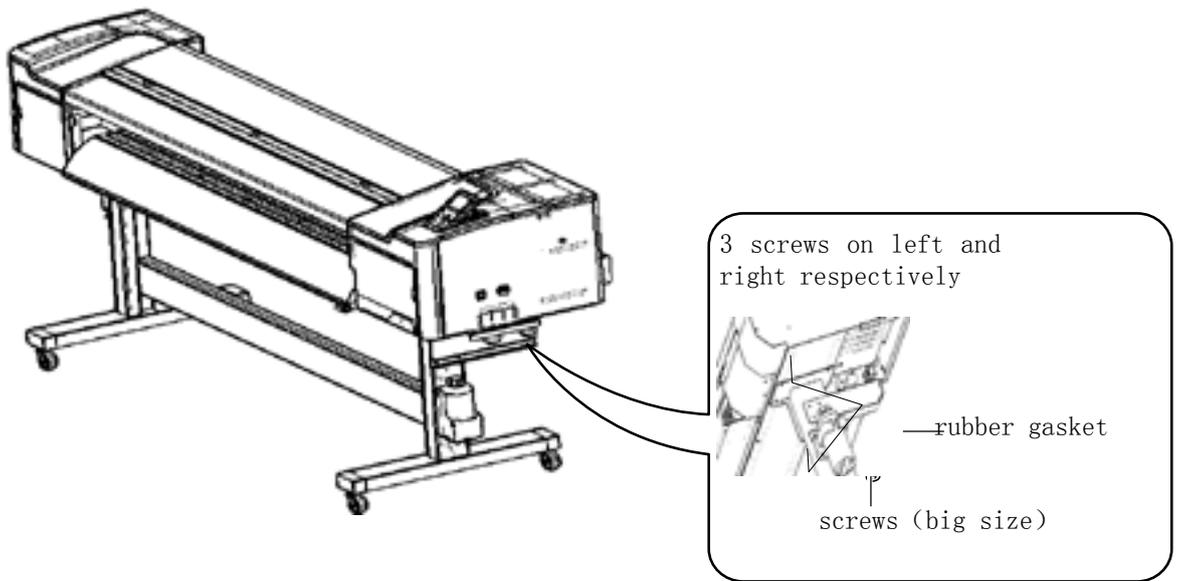




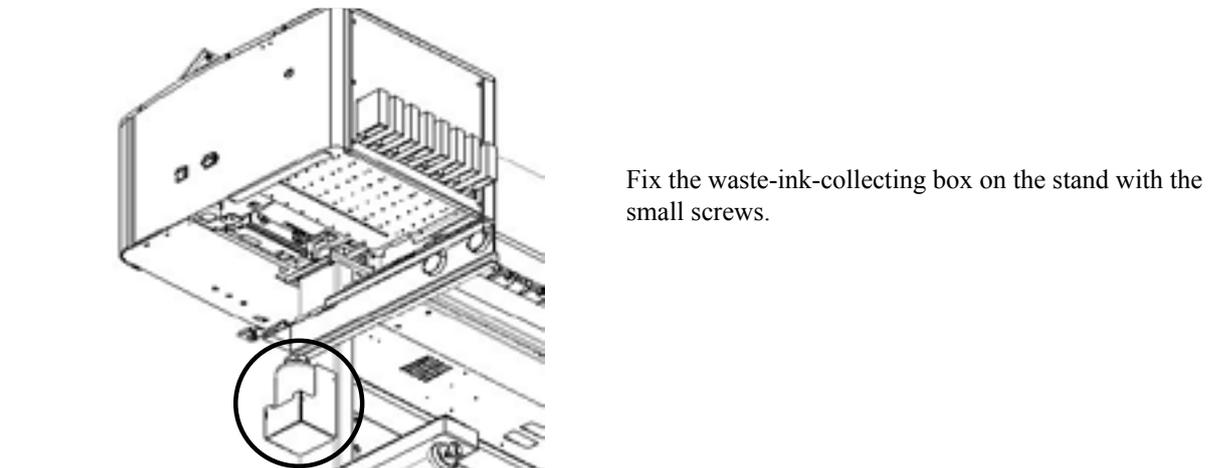
2 After stand installation finished, put the printer on it.  
Shown as the following figure.



3 Fixed the printer on its stand with screws.



4 Install the waste ink collecting box as the following figure.

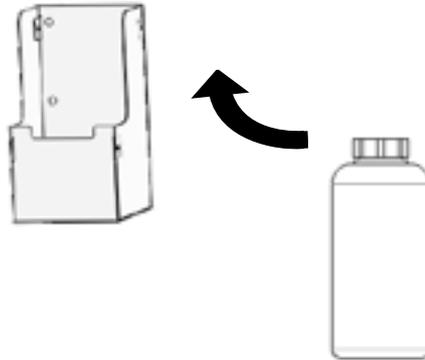




5

Install the waste ink collecting box directly on the device ,lower right side of printer.

Do not take it off except moving printer or pouring the waste ink.



We offer an extra waste ink collecting box for temporary collecting waste



### 3 Installation precaution

#### CAUTION

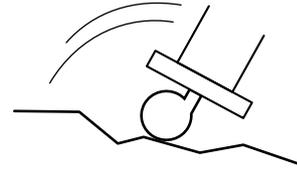
#### CAUTION



Suggest at least 4 people should take part in the process of tearing-off package, assembling or moving the printer. Otherwise the printer might fell off or break.



Install it on the flat floor to avoid falling down or damage.



#### NOTICE

Make sure the waste ink collecting box has been fixed before power on.

Use it under the following environment:

- Temperature:15 to 35°C(59 to 98°F),Humidity:35 to 80% (non-condensing)
- Temperature:5 to 40°C(41 to 104°F),Humidity:20 to 80% (non-condensing)

Never keep printer in the following place:

- Uneven ground;
- Place with electromagnetic interference;
- Place of dust;
- Place where is not well ventilated;
- Place where is shaking;
- Place of strong light or of direct sunlight.

Do not stand on the stand or it will be damaged.

Do not press hard on printer or it will be damaged



CONNECTION

**! WARNING**



Please use the power with the Rating value which labeled on the printer.



Earthing by using groundwire, otherwise electric shock or mechanic failure may occur.



Please use the power cord equipped only. If using other nonstandard power cord may cause fire or electric shock.

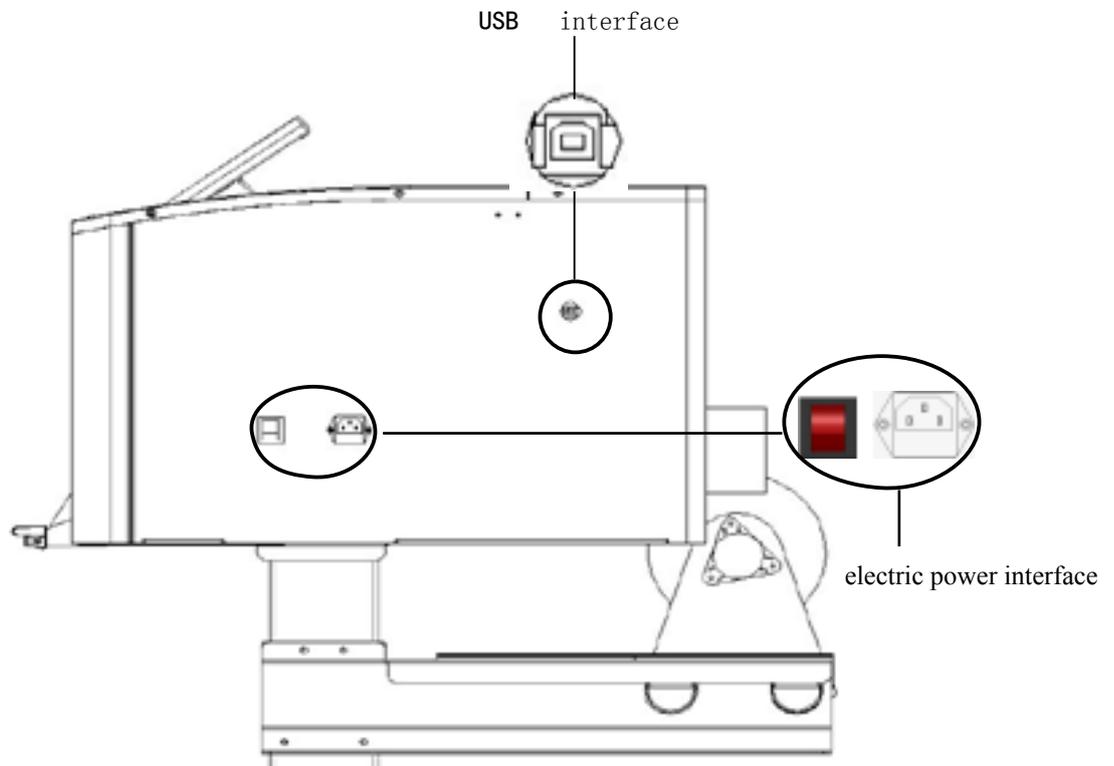
**NOTICE**

Please make sure the power of computer and printer are off before connecting cables

Please make sure the cables will not loose, if not, the printer may not work

Put all the cables away and make sure they will not trip the people.

Side view





## 4 Cartridge installation

### WARNING



Keep it away from liquid, metal or inflammable materials as all these things might cause fire. The same with printed paper which is not dry.



Do not put cartridge, cleaning solution or waste inks under the following environment: close to open fires, high temperature, any place close to heat, or close to bleacher, chemicals or inflammable and explosive materials, otherwise it may cause fire.

### CAUTION



Keep your working environment well ventilated. Otherwise it may affect your health or cause fire.



Do not drop any ink or cleaning solution on your skin or eyes. Do not eat, drink, smell the ink and cleaning solution. All these behaviors are harmful to your health.



Keep the cartridge away from children.

### NOTICE

Please use the qualified ink. Unqualified ink can plug up the print head and shorten its operation life.

Except for transport, please do not take off the cartridge.

Do not tear off cartridge.

The optimum condition and storage temperature is 15~25°C, avoid direct sunlight. If printing under the environment that is below 5°C or above 30°C, the print quality will be reduced.

If ink stored in the place where is too cold or too hot for a long time, please place it at ordinary temperature for at least 24 hours until it is in the ordinary temperature. Do not try to heat it or cool it otherwise its print quality will be reduced.

Please wear prevention tools like plastic gloves, prevention glasses when doing any repairs whenever possible to touch inks.

Keep inks away from children. Waste ink should be handled properly otherwise it might cause environment pollution or damage to health.

Please do not use the cartridge if it fell off because any shake might damage it

Please be careful when install or take off the cartridge.



Do not take off the cartridge randomly, if it is not used up. Because the air may come into the ink pipe to cause missing color and reduce the print quality.



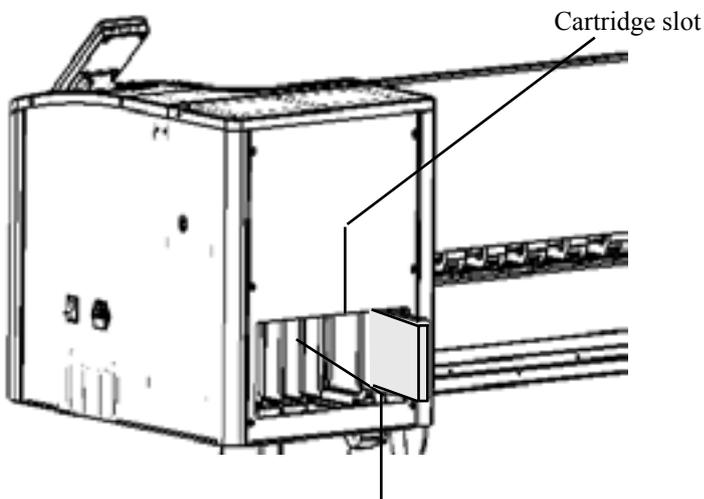
**NOTICE** Please use our exclusive ink to make sure great printing quality

**1** Turn on the main power switch which is on the right hand of printer.

**2** Connect the electric wire, USB wire, and install the driver.

**3** Please make sure the waste ink collecting box has been assembled.

**4** Cleaning solution needed when you install or reinstall cartridge.



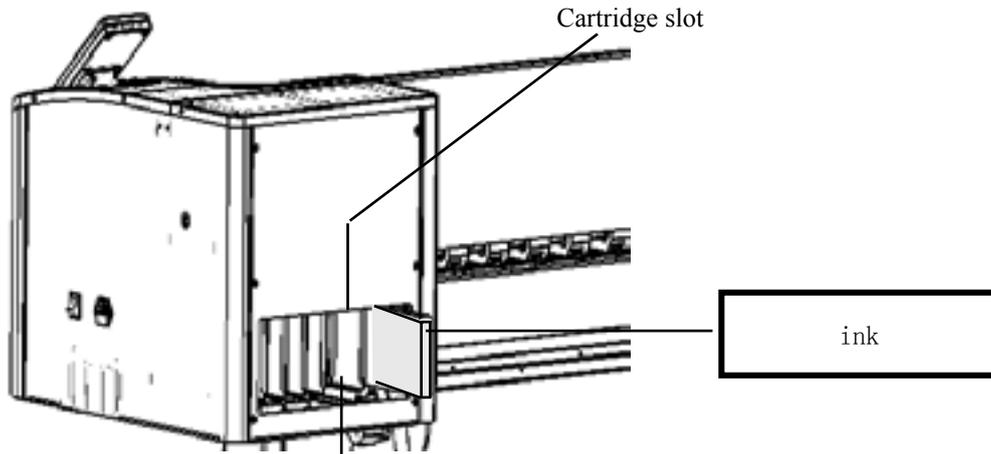
8 color



4 color

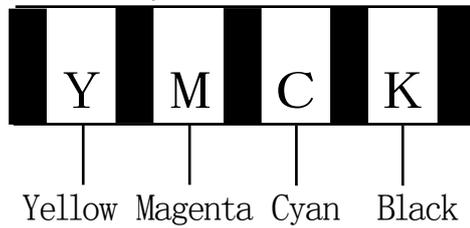


Insert cleaning solution in the corresponding color shown in the figure.

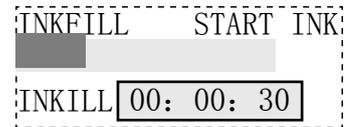


Insert cartridge in the corresponding color that shown in the cartridge slot.

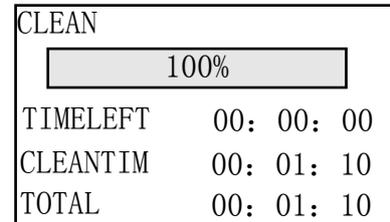
eg: 4color



5 Press CLEANING button on the panel ,choose INKFILL, press ▼ to enter the surface, then press ENTER to start filling.



6 Press ENTER again to stop filling.



7 Change a new waste ink collecting box after ink filling finished. Then press, [◀] the whole process of ink installing is done.



## Parts name

### Front view

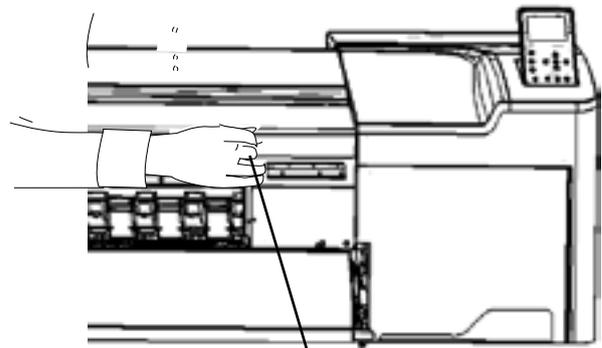
**NOTICE** If print head keeps exposed to the air for a long time, the head will be blocked and might cause irreparable damage.

When carriage is not in the maintenance point, please press Origin to get it back to original position automatically.

Do not touch guide way or put your hand into the right box except adjusting head height.

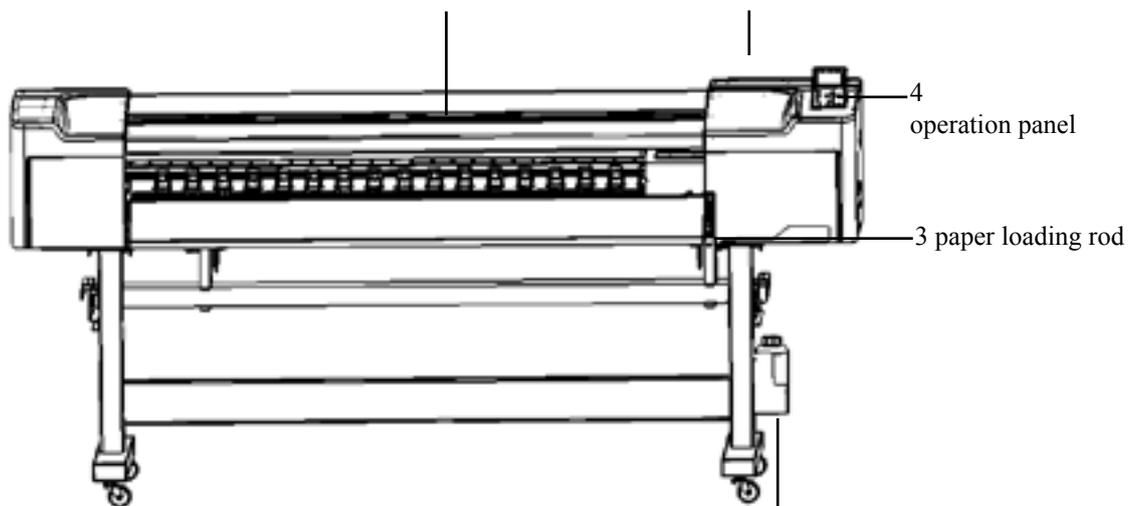
Do not touch the area which is shown on the left figure, it might make your hands dirty with ink or be injured when cutting, and make the printing quality reduced.

1 Guide rail (guide rail of carriage, keep it clean and remember to lubricate it regularly)



Do not put your hand into it

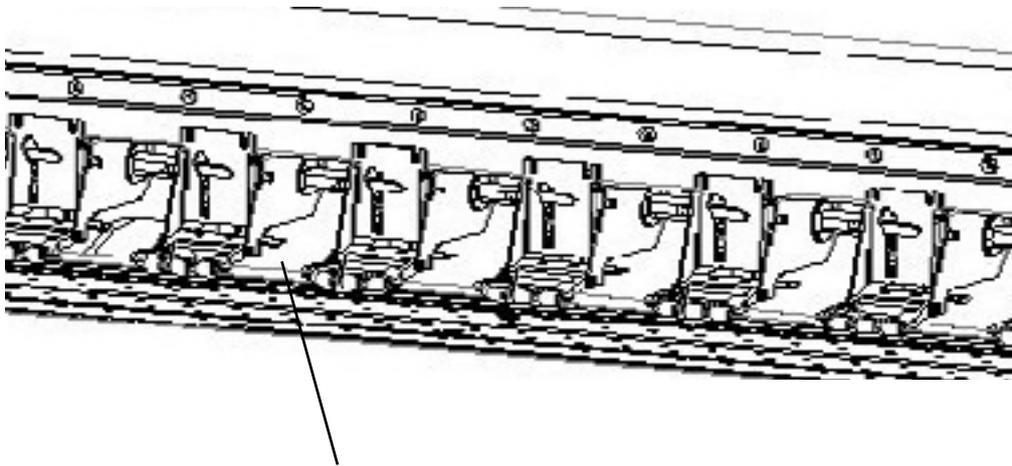
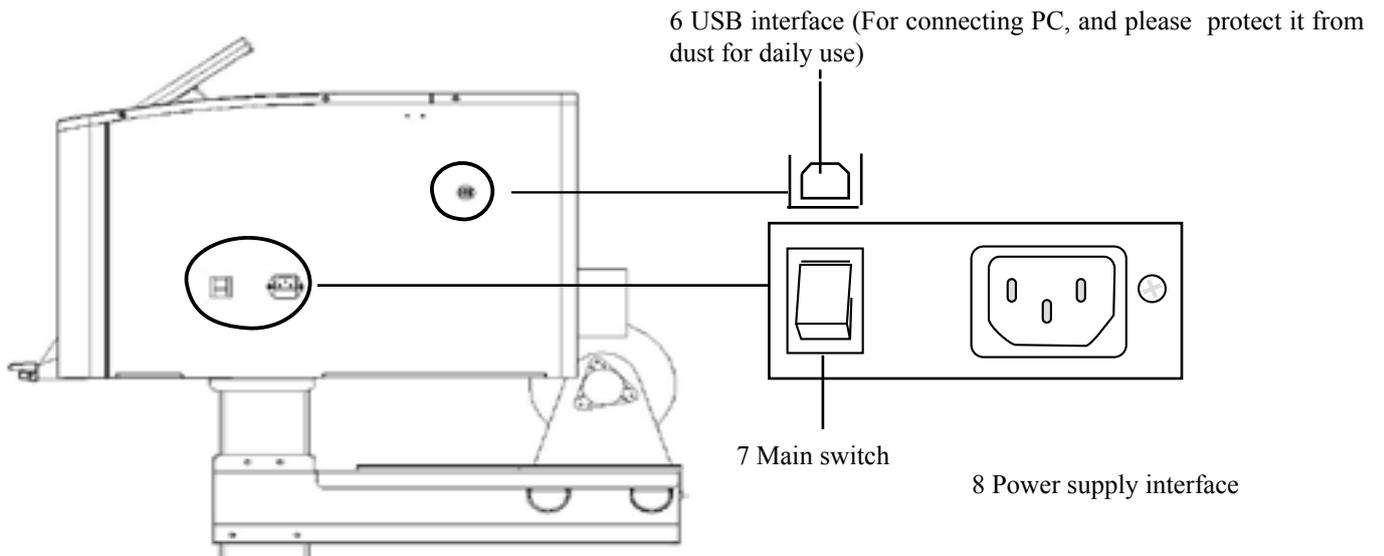
2 Front Cover



5 Waste ink collecting box  
(collecting waste ink when cleaning)



Rear view

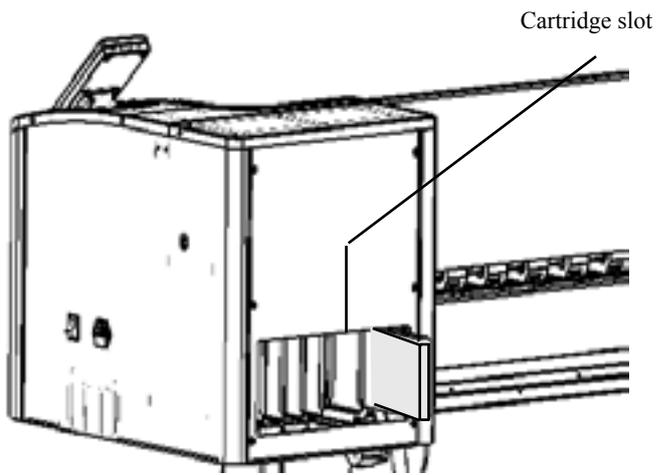


9 Paper Roller (For the purpose of keeping paper moving smooth, as well, pls keep the roller clean)

Notice: if there is abnormal circumstances like abnormal noise, please contact your local agent or log-in our company website for consultation. Do not try to handle it by yourself, or you must suffer the consequences.



## Cartridge Placement



cartridge placement order:

**L<sub>m</sub> | L<sub>c</sub> | Y | M | C | K**

4 color cartridge placement order:

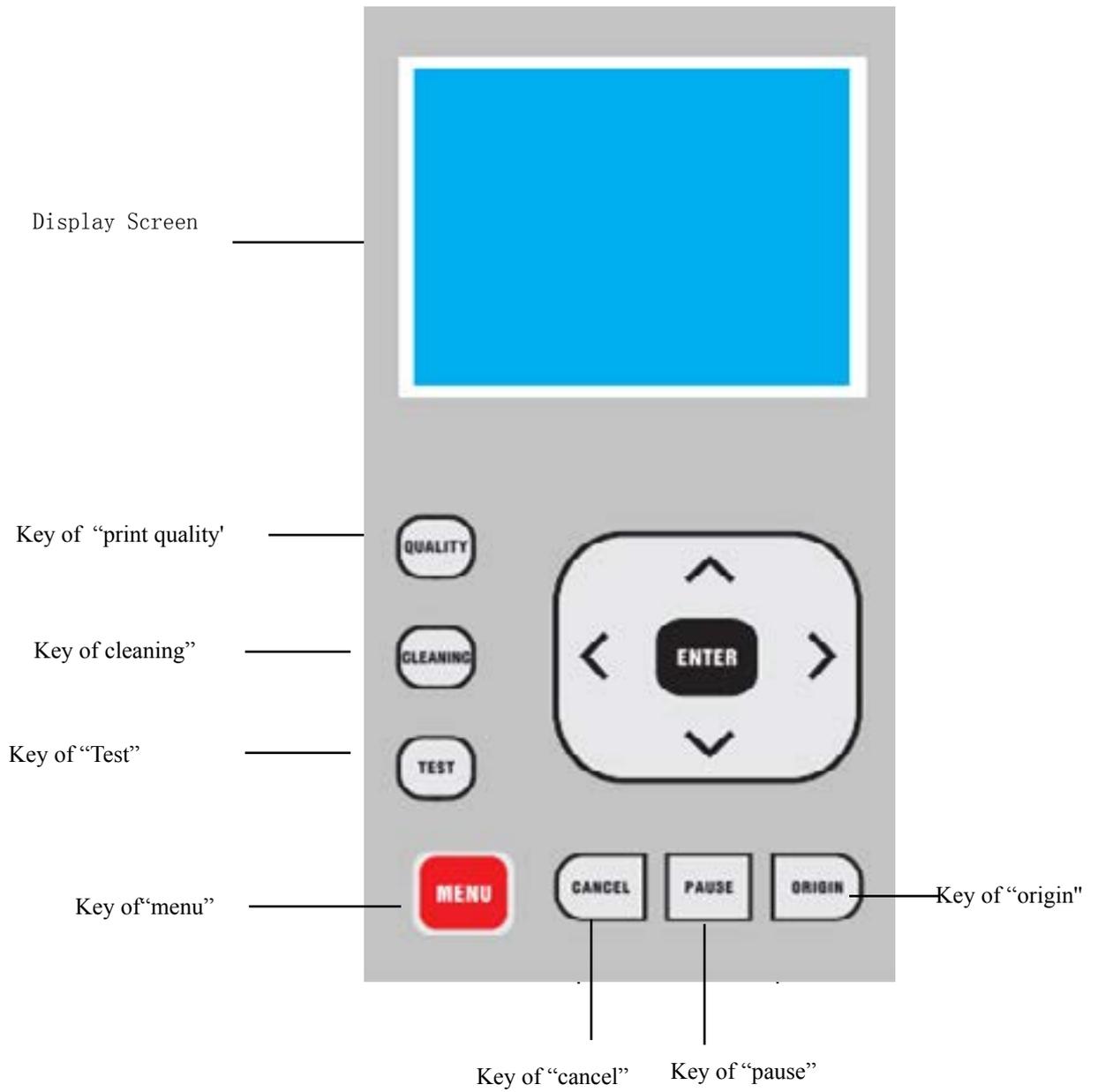
**Y | M | C | K**

8 color cartridge placement order:

**LLk | Lk | L<sub>m</sub> | L<sub>c</sub> | Y | M | C | K**



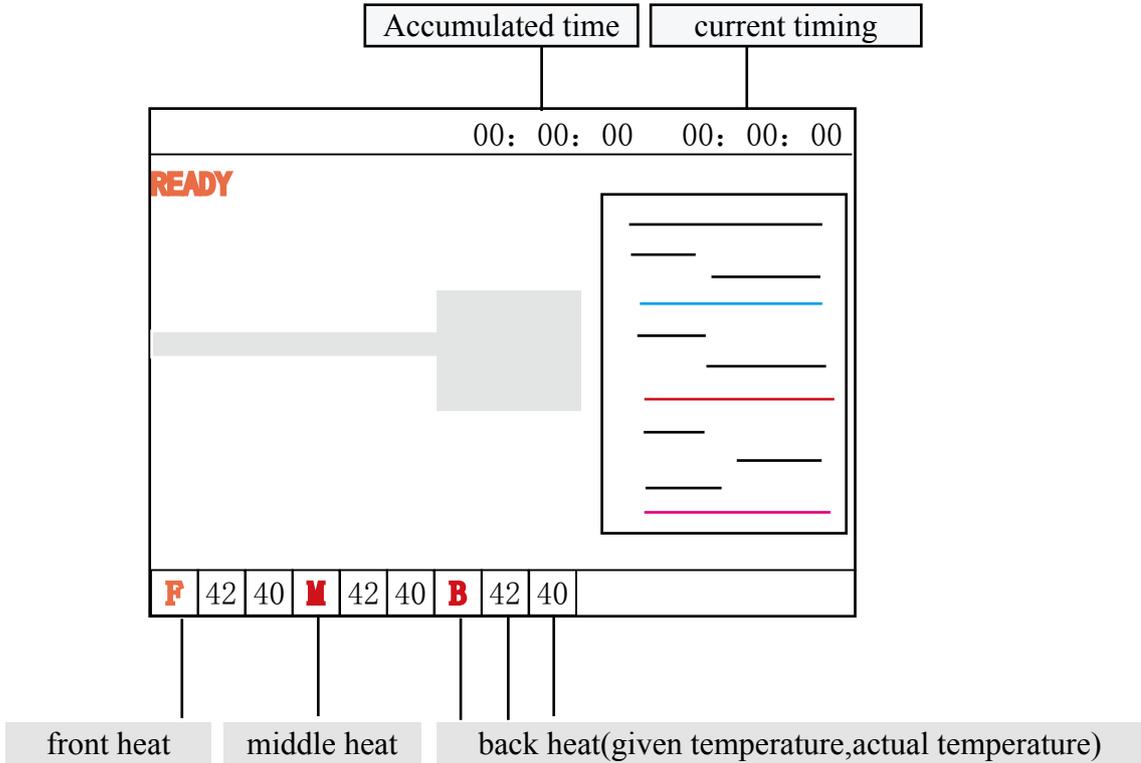
Operation panel



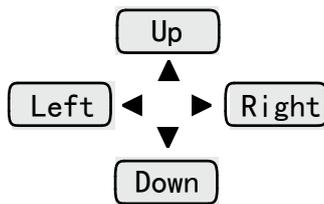


### Preparation for operation

After operating the printer, it shows ready



Left and Right Key decides the carriage position, Up and Down Key responsible for media going forward or back.



Press **ORIGIN** and carriage will back to its original position automatically.



# Print quality

Print direction

BI\_DIRECTION(default)

Bidirectional print

Print head will print whether it moves to right or to left.

Print speed is faster than uni-directional print.

UNI\_DIRECTION

Unidirectional print

Print head will print only when it moves from right to left.

Print quality is better than bidirectional print.

ECLOSION TYPE

ECLOSION NONE

No eclosion

ECLOSION TYPE1

Strong Eclosion

ECLOSION TYPE 2

Medium strength Eclosion

ECLOSION TYPE 3

Weak Eclosion

Eclosion capable of eliminating banding

PICSPACE

Picture space

Set the distance between picture and picture

Print media

PP

Photo Paper

Light film

Vinyl

Flex

Other

Choose the right media before printing, path can be saved

1. Press the key of "QUALITY".

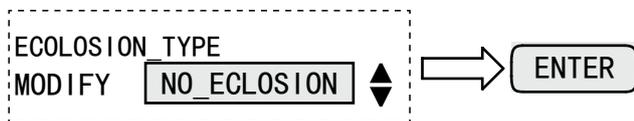


2. Choose the print-quality, access to interface by pressing ▶. Use [▲] and [▼] to choose print direction, confirming it by pressing [ENTER], Press [◀] to exit the interface

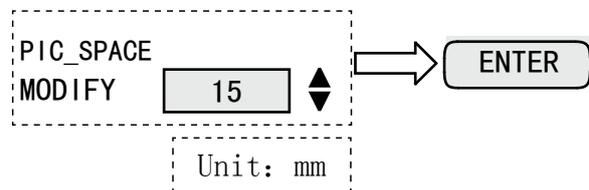


3. Enter the ECLOSION TYPE interface by pressing ▶.

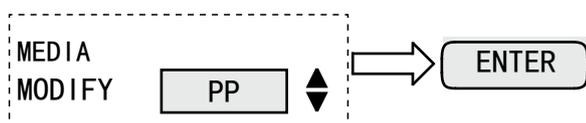
Choose eclosion type via ▲ or ▼, and confirm it by pressing ENTER, ▶ exit the interface



4. Press ▶ to enter the PICSPACE interface. Set picture space via ▲ or ▼, and confirm it by pressing [ENTER], ▶ exit the interface



5. Enter the Printing Media interface by pressing ▶. Choose media type via ▲ or ▼, and confirm it by pressing ENTER, ▶ exit the interface





# Printhead cleaning

Start to clean  
START  
Start to clean

Head Cleaning  
CLEAN-SEL

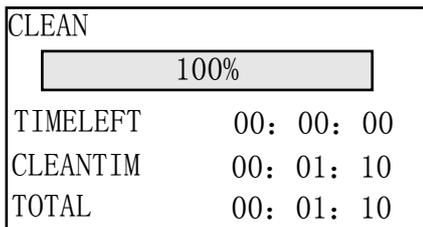
Ink filling  
INKFILL START  
Start to fill ink  
INKFILL STOP  
Stop ink filling

Test Mode  
TEST\_MODE  
B\_MODE  
Vertical printing  
test  
C\_MODE  
Horizontal printing  
test

## 1.[CLEANING] Key

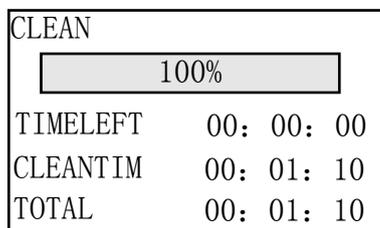
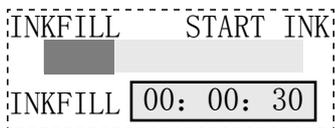


2. Access to the cleaning interface by pressing [ENTER] will get it started, press to exit the interface.



100% shows cleaning status  
TIMELEFT shows time remaining  
CLEANTIM shows how long it took  
TOTAL shows the time it required

3. Select INKFULL press to access inkfilling interface . Press [ENTER] to Start, then press [ENTER] to stop. After ink filling , it will go into cleaning interface automatically. press to exit the interface



After pressing ENTER to stop ink filling , it will go into cleaning surface automatically

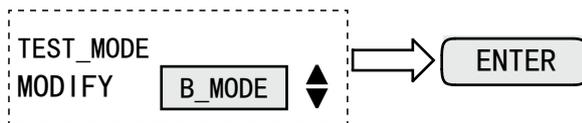


4. Select TEST\_PRINT press[▶] to access printing test interface, press[ENTER] to start printing test, press[◀] to exit the interface.



Please clean the head, if there are phenomenons like missing color which affect print quality.

5. Select TEST\_MODE,press[▶]to enter printing mode choice,. Use ▲and ▼ to select B\_MODE and C\_MODE. Confirm it by pressing [ENTER]. Press ◀ to exit.



In the manuel B\_MODE a newline printing, C\_MODE indicate a continuing print.



### Test

1. Test the print quality before print. Adjust it according to print state diagram.

### Menu

1. Set print paper and print direction before print and make alignment via test print. Press [MENU] on the panel and make its related settings.



Print quality depends on print mode, please select the right print mode which can meet with your requirements.

#### Heating Setting

HEATING\_SETTING  
PRE\_HEATING  
temperature needed before setting  
MIDDLE\_HEATING  
temperature needed while heating  
BACK\_HEATING:  
temperature needed after setting

#### Fan Setting

HIGH strength  
MEDIUM strength,  
LOW strength  
  
Setting strength of fan

### Calibration

HEAD\_ADJUST  
  
VERTICAL  
HORIZONTAL  
TEST\_MODE

#### BI\_DIRECTION

BI\_DIRECTION\_1  
BI\_DIRECTION\_2  
BI\_DIRECTION\_3  
BI\_DIRECTION\_4

While doing bi-direction adjustment, all the 4 modes need to be calibrated

Adjustment by test printing

CALIBRATION  
Step calibration

standard media printing step, including PP/  
Photo Paper/Light film/Vinyl/Flex/Other  
Step calibration could be realized by pressing  
MENU if necessary

#### Synchronized Parameter

SYNCHRO\_PARAMETER  
parameter saving  
PC\_TO\_BOARD  
Save the parameter in PC to keyboard  
BOARD\_TO\_PC  
Save the parameter in keyboard to PC

#### Version No.

VERSION  
checking keyboard panel number

#### Serie No.

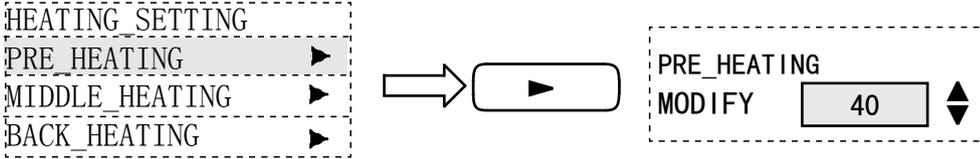
SN  
Serie number while writing keyboard panel program



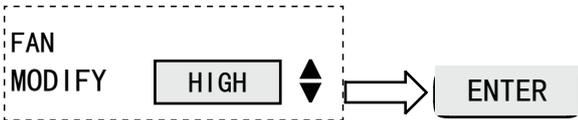
1. Press [MENU]



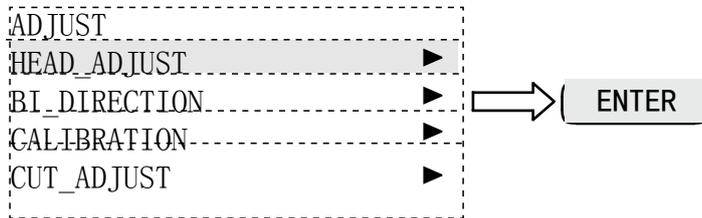
2. Select HEATING\_SETTING and press ▶ to access to heating interface, then press [▶] to set pre, middle, back heating temperature □ press [▲] and [▼] to adjust temperature, press [ENTER] to confirm. Press ◀ exit the interface.



3. Select FAN, press ▶ to access to strength selection interface, press [▲] and [▼] to choose strength, press [ENTER] to confirm, then press [◀] to exit the interface.



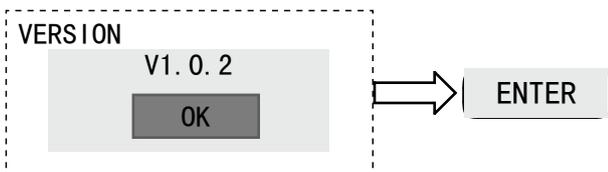
4. Select ADJUST, press ▶ to access calibration interface, press [▲] and [▼] to select calibration item, press [▶] to access, then press [ENTER] to confirm, finally press ◀ to exit.



5. Select SYNCHRO\_PARAMETER, press ▶ to access the interface, press [▲] and [▼] to choose parameter synchronized way, press [▶] to enter, press [ENTER] to confirm, press [◀] to exit.



6. Select VERSION, press ▶ to check the keyboard panel version number, press [ENTER] to confirm.





7. Select SN, press [ ] to check keyboard panel serie number, press [ENTER] to confirm.

S\_Number



### Pause print

#### NOTICE

While printing, please press PAUSE to stop temporarily. Press PAUSE again to return printing.

If you pause print, then the print quality will be different compared to the original one. So avoid pausing print.

Press PAUSE key to pause print.

Return to print by pressing PAUSE key.



### Cancellation

#### NOTICE

Press "CANCEL" to cancel print command while printing, and screen will display "READY" until the carriage stop.

When pressing CANCEL in the state of READY, the pipe cleaning function will start.

Printing will not recover if press CANCEL to abolish the printing task.

When printing, press CANCEL to stop immediately.



When in the state of READY, press CANCEL to start pipe cleaning function.



CANCEL

Maintain  
Whether you need maintenance?  
YES NO

Maintain  
Cancel the maintenance  
OK

Press CANCEL in the state of READY, the carriage will leave the original place, as well ,cleaning work will start. Pour cleaning solution into cap of service station to clean the pipes

After finishing pipe cleaning, press ENTER to turn off the cleaning function .

## Shortcut Key Operation

While printing, please press [▲]and [▼]to choose front, middle, back heating teperature ,as well as the vertical step adjustment. The parameter will appear after pressing[Enter], then use[▲]and[▼] to choose expected range,from 25 to 55.Press ENTER to confirm. (This key can be seen on the right of screen.)

F	30	▲▼
M	30	▲▼
B	30	▲▼
S	0	▲▼

F means pre-heating, M means heating while printing, B means after-heating, S means vertical step, 30 means current setting temperature, 0 means current step space.



## Print head alignment

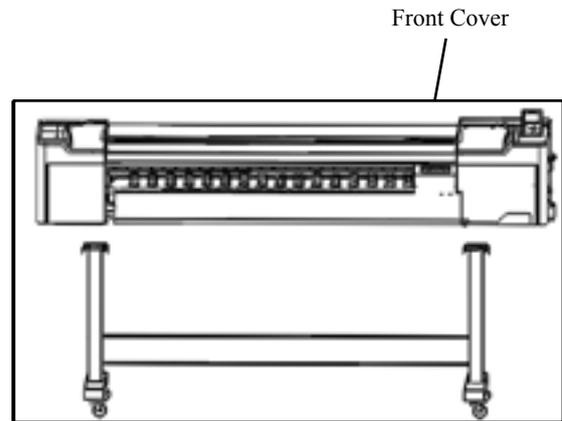
[Head alignment]

To make sure great print quality, please do the head alignment.

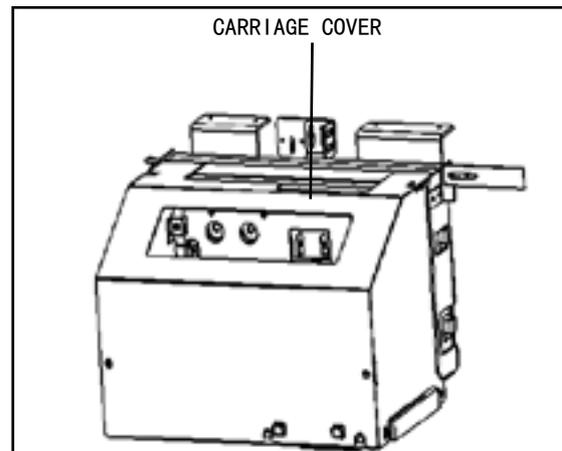
Strips will appear while printing if head alignment is not done, and print precision will also be reduced.

USB cable should insert in back of the computer not the front.

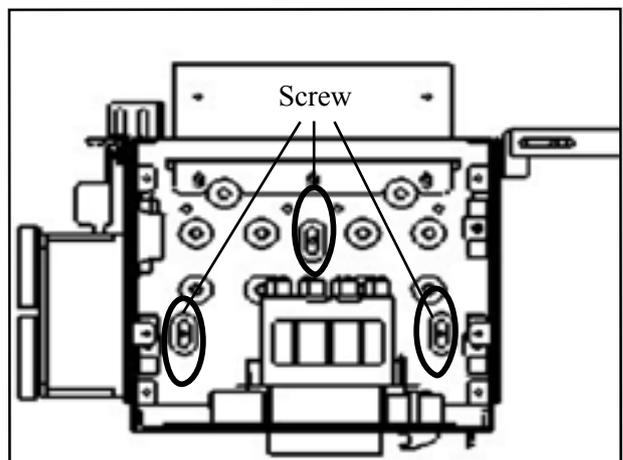
**1** Take off front cover.



**2** Take off carriage cover.

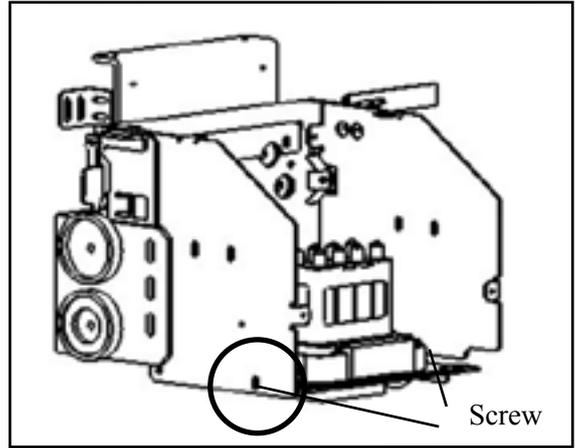


**3** Adjust the screw of both side of printer, keep the height of printhead line up with platform.

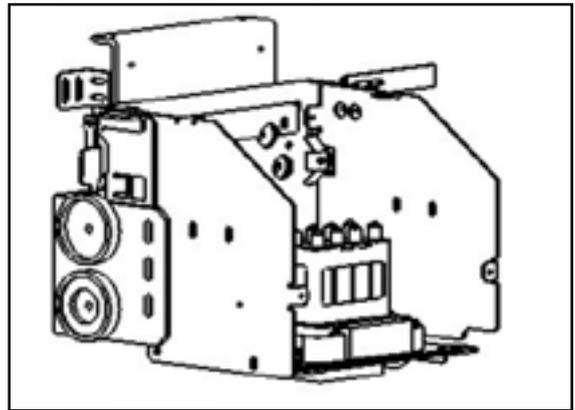




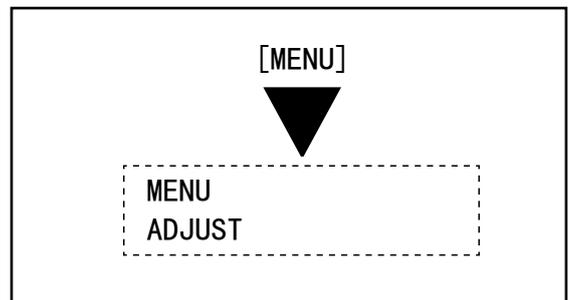
- 4 Loosen the screw fixed the bottom of carriage, confirm the position of printhead by adjusting the carriage bottom up and down.



- 5 Move regulating rod to adjust print head to a suitable print height, the highest is 2.6mm, and the lowest is 1.6mm.



- 6 Turn on printer and access to [ADJUST]



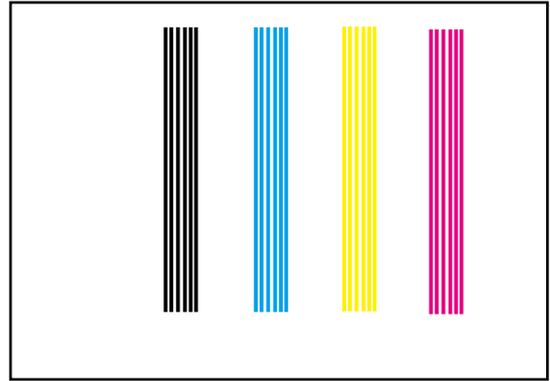
[VERTICAL ADJUSTMENT]

- 7 Choose VERTICAL under the menu of [HEAD ADJUST]. Press ►, then press ENTER.

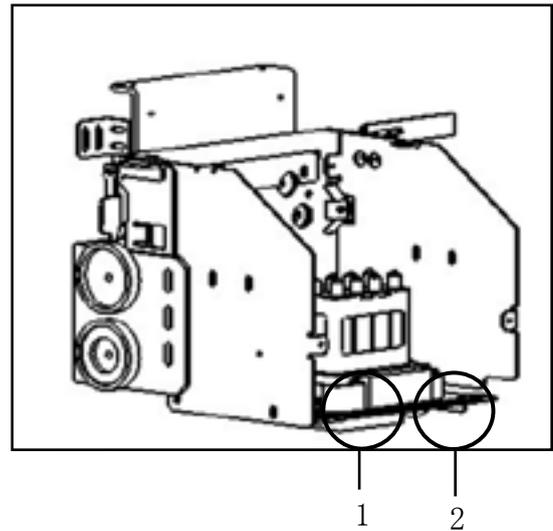




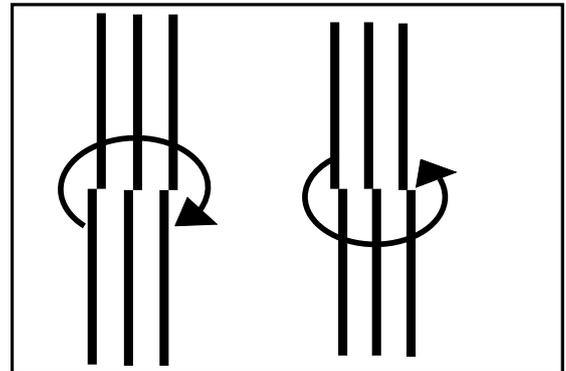
8 Test result as shown in the right picture will appear in the adjustment.



9 Loosen the fixing screw of printhead with 1,2,3 as marked in the right picture, adjust the printhead to keep lines of each color at the same line.



Notice:  
If upper line is on the right side of lower line, raise the inner side of printhead.  
If upper line is on the left side of lower line, raise the outer side of printhead.

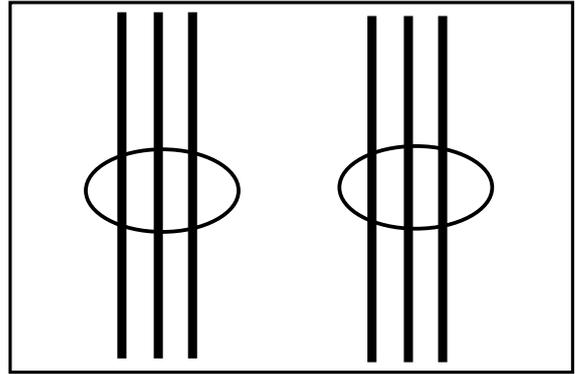


10 Print text result again until head is adjusted well.



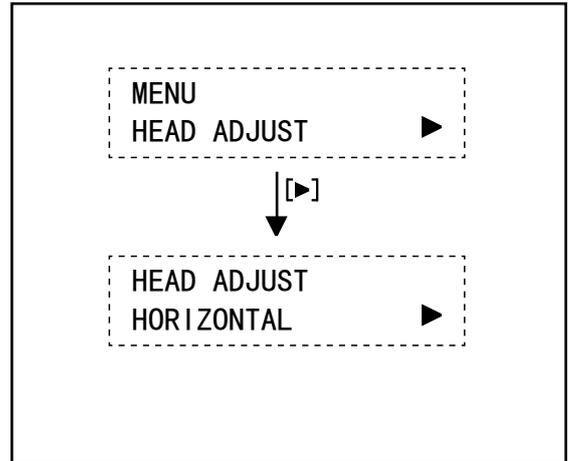
11

After vertical adjustment, please print a horizontal test to testify. The upper part and the lower part should be connected upright. Also both the magenta and black should be aligned.



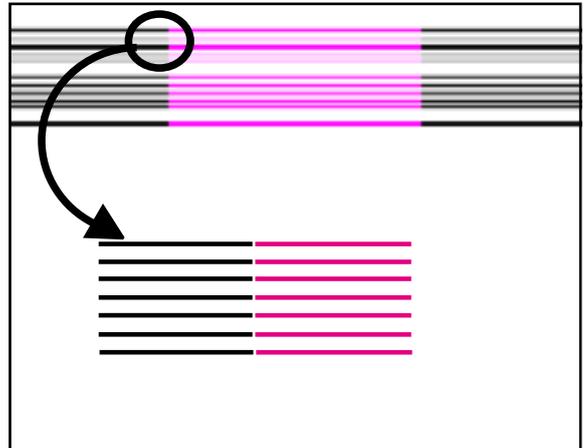
12

Select [HORIZONTAL TEST PRINT] under the menu [HEAD ADJUST], press [▶] first, then [ENTER].



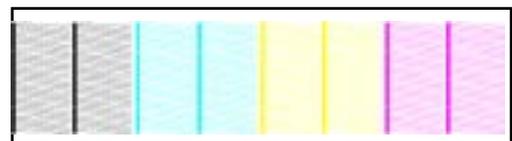
13

Test result like the right part will be shown.



14

Press [TEST], the test print will be showed as the right picture .



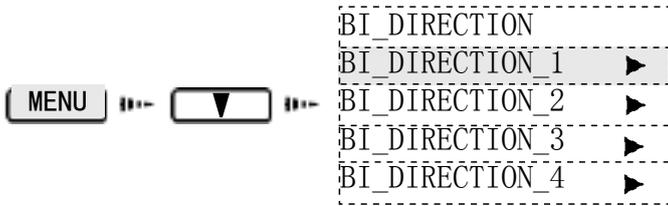


### Double direct adjustment

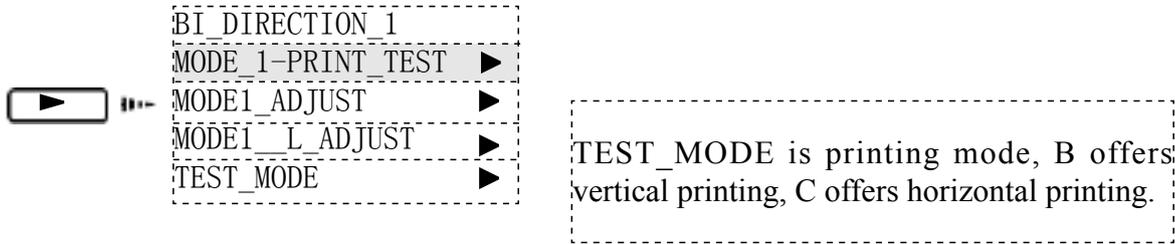
\* This operation is only available when you choose “BI\_DIRECTION” under PRINT QUALITY.  
To regulate the offset of bidirectional print.

This operation is prerequisite if printing material is changed, or head height is adjusted, or the driver has reinstalled.

1. Press MENU and ▼, select ADJUST and press ►, select BI\_DIRECTION and press[ ►]to enter.

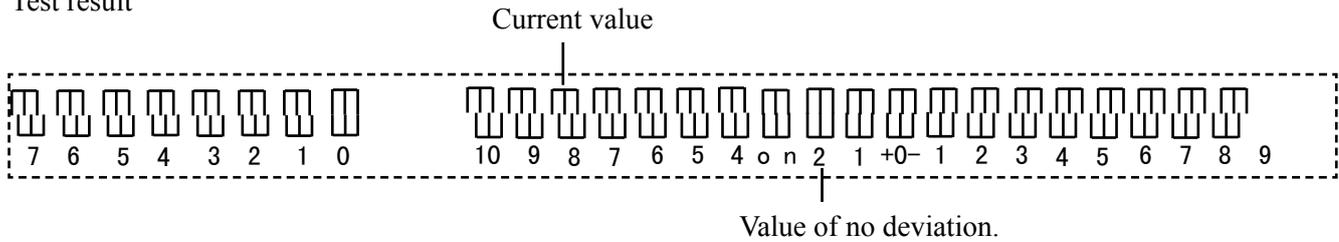


2. Press[ ► ] and select MODE\_1\_PRINT\_TEST.



3. Press ENTER and print will test print.

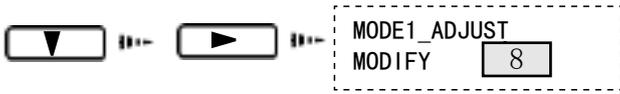
Test result



4. Check the test result on the right and choose a value of no deviation. Pay attention to “+”, “-”, the value of no deviation above is “+2”



5. Press [▼] to select MODE1\_ADJUST, then press [▶] to enter another interface.

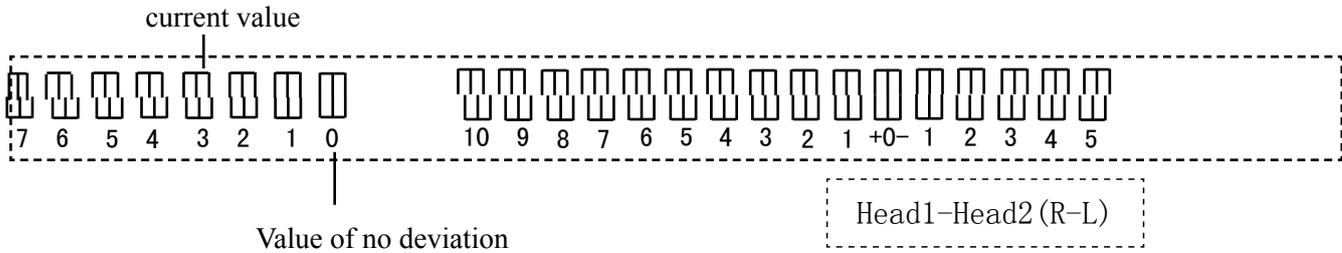


6. USE ▲ and ▼ to add the value quoted in the 4th step into the current value, then press ENTER to confirm ◀.



7. Repeat step 2 and step 3 to carry out print test.

Test result

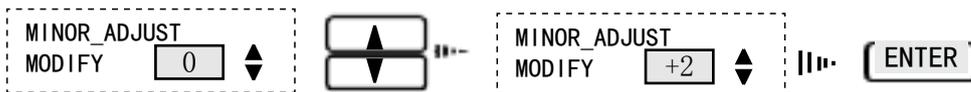


8. Check printing test result on the left side and select one value without deviation

9. Press [◀] to exit the interface, and press [▼] to select MODE1\_L\_ADJUST, finally press [▶] to access modify interface.



10. Use [▲], [▼] to revise the value in the 8th step, and press [ENTER] to confirm.



11. Press [◀] twice to go back to the interface of 1st step, and go on LEFT\_RIGHT adjustment, same procedure as RIGHT\_LEFT



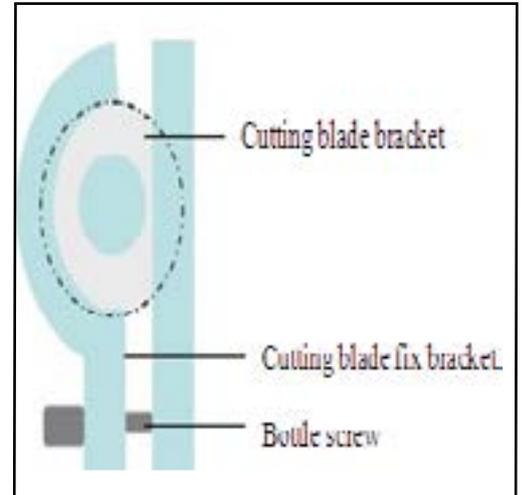
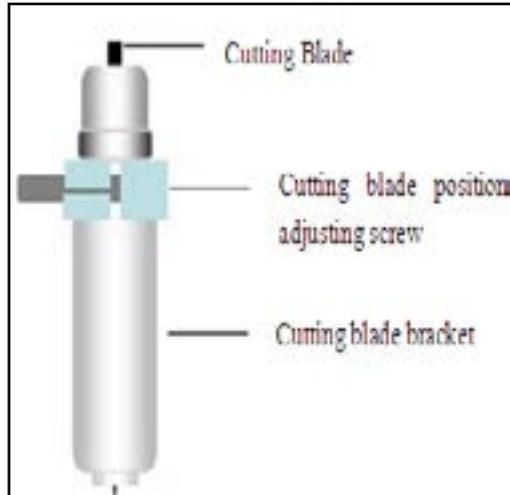
# Cutting Blade Adjustment

Notice for Cutting Blade Adjustment:

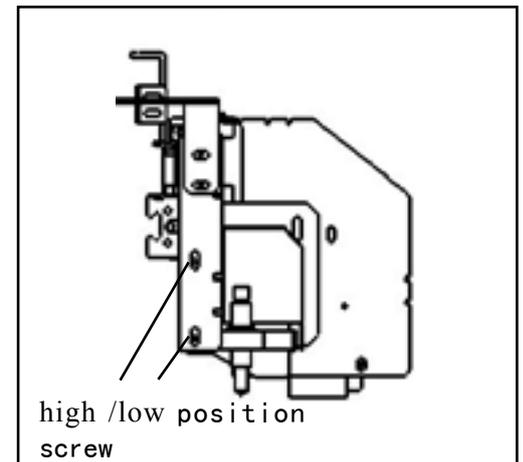
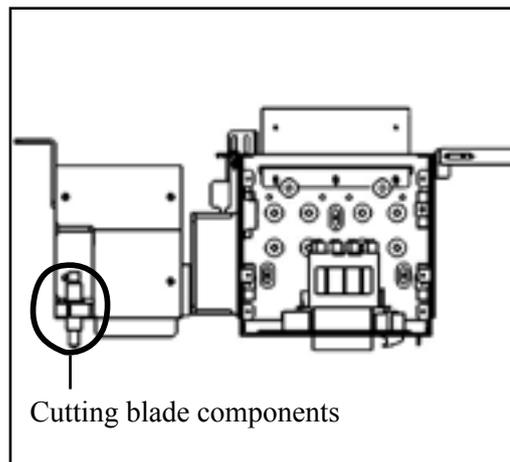
To gain high quality product, please do the necessary adjustment.

Trans-placement , and low cutting precision might occur if no adjustment.

## 1. Cutting blade



## 2. Cutting blade physical location



3. Adjust high/low position screws of relays to ensure the distance between cutting blade bracket and plate within 3-4mm when the printer is on. Please make sure the cutting blade out of the bracket 1mm by adjusting the high/low position screw.



Please adjust the value of the cutting force properly. Normally, the value should be within the range 4.5-5.5GF. The cutting blade physical location might be subject to change according to different types of machine, and the value should have some adjustment given to the real situation as well. The cutting blade should be rotating and the blade point should be forward when it is working. If any path like sawtooth, the reason might be the rotating failure resulted from the cutting blade bracket. Under such a circumstance, you are suggested to get the bracket dipped in the petrol for a little while before using it.



4. Set up the parameters of the cutting blade such as moving speed, the original horizontal and vertical position in CONF ING .INI.

Horizontal gear ratio: keziji\_x\_step\_to\_mulse = 35036

Vertical gear ration: keziji\_y\_step\_to\_mulse = 36036

Horizontal moving speed: keziji\_x\_move\_speed = 5

Vertical moving speed: keziji\_y\_move\_speed = 5

Horizontal starting position set up: keziji\_horz\_origin\_pos = -1350000

Vertical starting position set up: keziji\_vert\_origin\_pos = 380000

Media moving forward distance: keziji\_before\_move\_to\_hot\_distance = 2500

Picture heating time: keziji\_before\_hot\_time = 50

(Note: In parameter setting, 10000unit=1mm)

5. Cutting blade Left/Right path setting:

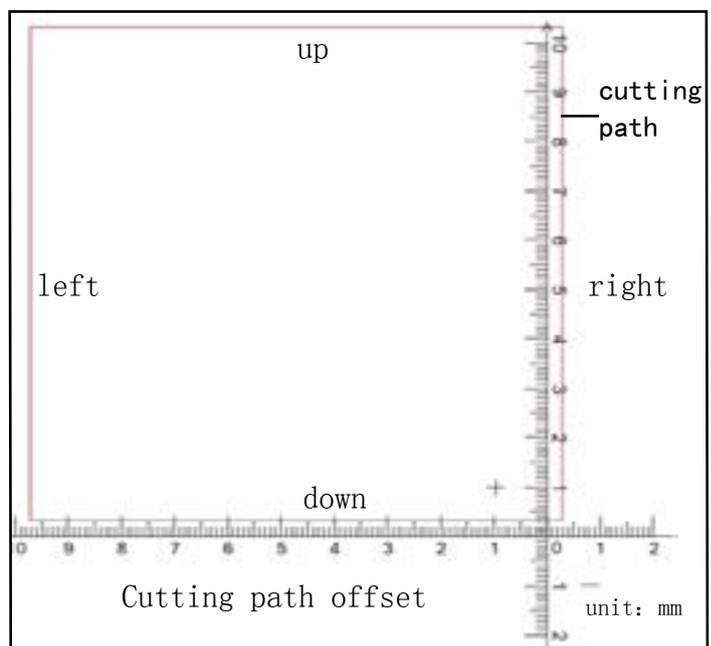
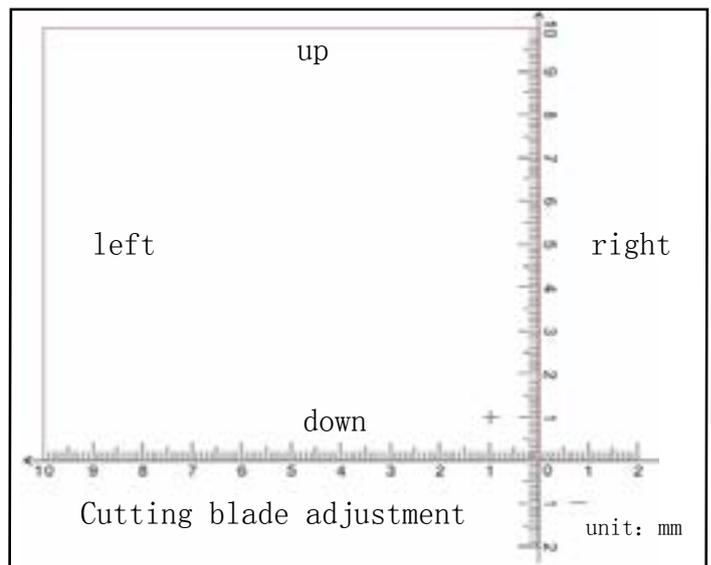
When cutting path lies on the Right of the picture, horizontal starting position parameter should be bigger,; on the contrary, that parameter should be smaller if it lies on the Left.

6. Cutting blade Bottom/Top path setting :

When cutting path lies on the top of the picture, vertical starting position parameter should be bigger; on the contrary, that parameter should be smaller if it lies on the bottom.

7. Cutting path offset adjustment :

As the example shows, when the cutting blade strays away from right printing edge 3mm, the horizontal parameter should be added 30,000units, that is -1350000 + 30000=-1320000. When it strays away from the top printing edge, the vertical parameter should be added 30000 units, that is 380000+ 30000= 410000.





## Maintenance

### Change cartridge

#### **WARNING**



Do not use this printer under the following environment: open fires, electric spark, static electricity, high temperature or any place close to heat. Otherwise it may cause fire.



Do not put cartridge, cleaning solution or waste inks under the following environment: close to open fires, high temperature, any place close to heat, or close to bleacher, chemicals or inflammable and explosive materials, otherwise it may cause fire.

#### **CAUTION**



Keep your working environment well ventilated. Otherwise it may affect your health or cause fire.



Do not drop any ink or cleaning solution on your skin or eyes. Do not eat, drink, smell the ink and cleaning solution. All these behavior are harmful to your health.



Keep the cartridge away from children.

#### **NOTICE**

Please use the qualified ink. Unqualified ink can plug up the print head and shorten its operation life.

Except for transport, please do not take off the cartridge.

If ink used up please change to a new cartridge with the same color and same type immediately. If take off the cartridge please install a new one immediately.

Do not tear off cartridge.

Ink should be stored under the environment of well ventilated, and keep its environment temperature from -20 to 40°C (-4~104°F).

Any shake might damage the cartridge, so do not use it again.

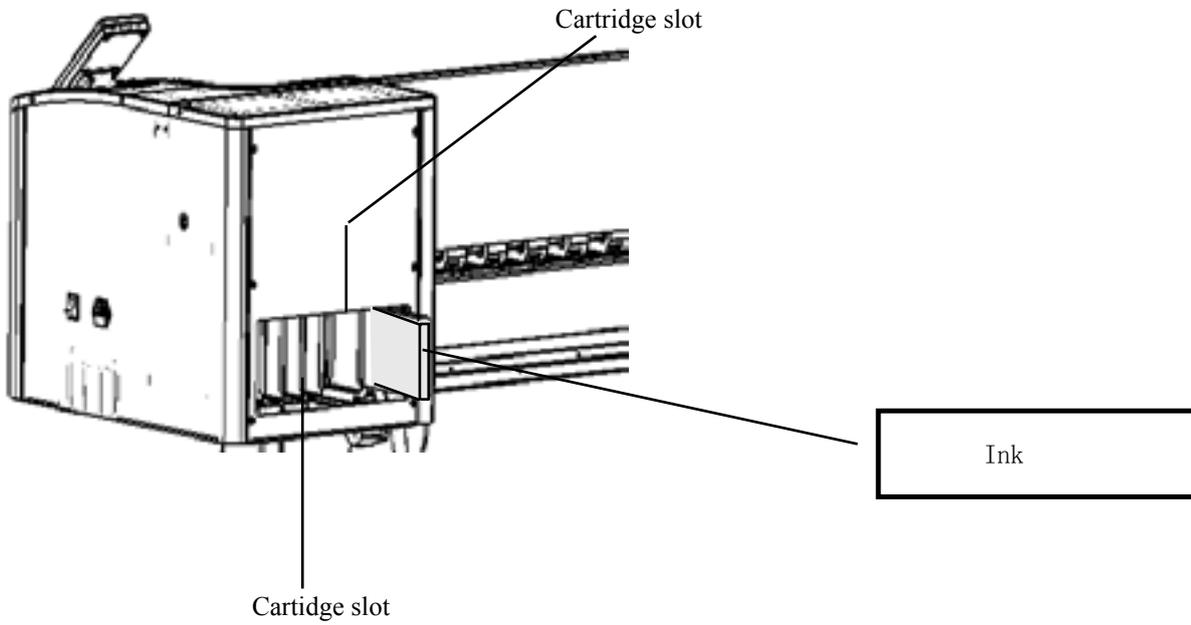
Please handle with care when install or take off the cartridge.



**NOTICE** Ink type should be in accordance with the machine type

**1** Unplug the cartridge.

**2** Insert a new cartridge.





## Print head maintenance

### Water base inkjet printer head maintenance

---

#### NOTICE

After operation, check and confirm the carriage back to the base point to ensure the close connection between print head and damper, make the head hermetically sealed with the damper.

---

When out of operation for more than 4 days, pour some solution onto the damper( be care of back flow, it seems to be enough when the damper's sponge is soaked with solution)check and confirm the carriage back to the base point to ensure the close connection between print head and cap, make the head hermetically sealed with the damper.

---

When the printer does not work for a long time, you are suggested to clean the ink system and unload the print head , then pack it with standary process.

---

When out of operation for a long time cause the blocks in the print head, to make the head immersed with solution for a while. if possible to remove the blocks by ultrasonics.lasting 10-30 seconds a time, over usage can do harms to the print head.

---

### Eco solvent inkjet printer head maitenance

---

#### NOTICE

After operation, use the eco solvent solution to clean up the peristaltic pump and the cap/cap of service station, to prevent the ink congealment.

---

Before operation, to immerse the head into the solution for a while, to ensure its operation state, it can prolong the working life.

---

When the printer does not work for a long time, you are suggested to clen the ink path and unload the print head , then pack it with standary process.

---

When out of operation for a long time cause the blocks in the print head, to make the head immersed with solution for a while. if possible to remove the blocks by ultrasonics.lasting 10-30 seconds a time, over usage can damagethe print head.

---



## Handle waste inks

Please handle waste inks as following steps when ink reaches the limit level of waste ink collecting box or you need to move the machine.

### **CAUTION**



Collect the waste ink via our waste-ink-collecting container. The fire or illness may caused if waste ink leak or evaporate.

---

### **NOTICE**

When take off waste ink collecting box please keep it vertical and do not shake, as it might spatter out.

---

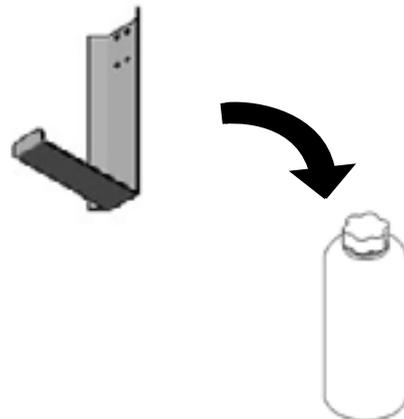
Waste ink can not be reused and it contains poisonous compositions. So do not burn or handle it as a general rubbish.

Do not pour waste inks into sewer or river, otherwise it might cause environment pollution.

---

**1** Turn off the power.

**2** Take off the waste ink collecting box which is full with inks.



**3** Carefully handle it conforming to your local law and rules.



## Cleaning

---

**NOTICE** Before cleaning please turn off the main power switch and unplug the power cord first.  
\* Turn off the sub power switch first and then turn off the main power switch.

---

Do not add lubricating oil on mechanical parts.

---

Do not use solvent cleaning solution to clean. (Like gasoline or thinner)

---

Cleaning pressure plate regularly, because it will affect print quality if it is dirty.

---

Do not touch print head by hand or any other material.

---

Keep printer clean at any time.

---

Clean print head with our special cleaning cloth (or cleaning rod) and cleaning solution.

---

Do not clean or rub print head surface with any materials which might cause irreparable damage.

---

### Cleaning printer body

Cleaning printer body carefully with wringed wet cloth. While clean operation panel or display screen with dry and soft cloth.

### Cleaning pressure plate

Cleaning pressure plate carefully with wringed wet cloth.

### Cleaning grinding wheel

Clean up the dust and impurities with brush. Clean it in horizontal direction while rolling it.  
The dust might block the material moving.

### Cleaning paper pressing wheel

Cleaning it carefully with wringed wet cloth.

### Cleaning reflection bar

Cleaning it carefully with wringed wet cloth.

### Cleaning front cover

Cleaning it carefully with wringed wet cloth



### Menu list and directions

#### Menu list and directions

Press PRINT QUALITY to enter print mode.

Main menu	Submenu	Function	Setting range	Default
PRINT QUALITY	BI_DIRECTION	Set print direction,it has two options,one is unidirectional,the other is bidirectional. Bidirectional print Print head will print whenever it moves to right or to left. Unidirectional print Print head will print only when it moves from right to left.	BI_DIRECTION/ UNI_DIRECTION	BI_DIRECTION
	ECLOSION NONE	Set eclosion type 3 options: Eclosion none/Eclosion type1/ Eclosion type2 Eclosion type1 Bottom up at the boundary of eclosion.This eclosion is gradually changed Eclosion type 2 The eclosion area is of a crest shape.Bottom up at the boundary of eclosion.This eclosion is gradually changed	E C L O S I O N NONE/ E C L O S I O N TYPE1/ E C L O S I O N TYPE2	E C L O S I O N NONE
	PICSPACE	Set the distance between picture and paper.	PP/Photo Paper/ Light Paper/Vinyl/ Flex/Other	PP
	MEDIA	Set the type of print media.		
	OVERWRITE			

Press HEAD CLEANING and enter print mode

Main menu	Submenu	Function	Setting range	Default
HEAD CLEANING	START	Enter into clean state and start to cleaning by pressing ENTER,then cleaning prcess will be displayed with percentage.	—	—
	CLEAN_SEL	Clean selection.	HEAD	
	INKFILL START	Press ENTER and fill ink automatically,now the screen will display STOP,and it will automatically stop when inkfill finished.	INKFILL START /INKFILL STOP	INKFILL START
	TEST_PRINT	Press ENTER to start test print, When it happens with <b>missing color</b> , go back to the menu of START to clean until <b>test print is desirable</b> .	B/C	B



HEAD CLEANING	TEST MODE	Cleaning under the menu of START until the print test is OK. B,C for options, and B means vertical	B/C	B
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Press MENU to enter print mode

Main menu	Submenu	Function	Setting range	Default
MENU	HEATING _SETTING	heating setting , to set pre, middle, back temperature	25°C-55°C	32°C
	FAN	suction and cooling strength set	HIGH/MIDDLE /LOW	HIGH
	ADJUST	print head horizontal adjustment and vertical adjustment, bi-direction adjustment.		—
	SYNCHRO_ PARAMETER	S aving software parameter into keyboard panel,; Saving the parameter from the keyboard panel into the software when reinstall the driver.	PC_TO_BOARD BOARD_TO_PC	—
	VERSION	Checking keyboard version number	—	—
	SN	Checking keyboard SN number	—	—