New machine usage guidelines

Brief guidelines
1. Assemble the machine (don't install the nozzle)
2. Visual inspection, cleaning iron or aluminum scraps
3. Check if the screws are loose, the circuit if is plugged in the socket
4. Measure the voltage among firewire, ground wire and zero wire by a multimeter
5. Turn on the power
6. Observe reset if is normal after power-on
7. Check the control function for up and down capping station on key board
8. Check the heating control on key board
9. Check the fan control on key board
10. Check the cloth up and down controlling on key board
11. Open the self-test
12. Computer configuration and system recommendations
13. MainTop software installation (do not connect the USB cable to the machine)
14. Install the print control software
15. Stop the self-test
16. Connected USB cable from the computer to the machine, and install the motherboard USB drive
17. Adjust the position of the wiper
18. Check nozzle voltage
19. Print without nozzle
20. Establish the ink supply system
21. Install print head
22. Set ink order: Y(Y)—M(M)—C(C) —K(K)
23. Precautions of nozzle check
24. Print
Note: See the detailed guidelines on specific operations

Detailed guidelines
1. Open wooden box, assembled all the components (Note: Do not install nozzle).


2. Surface inspection, checking inside and outside the machine if there is iron or aluminum

scraps, if have then to clean up.

3. Check if the machine screws are loose inside and outside signs, if circuit connector is plugged.

Check if the machine
screws are loose inside
and outside signs,
if circuit connector
is plugged.
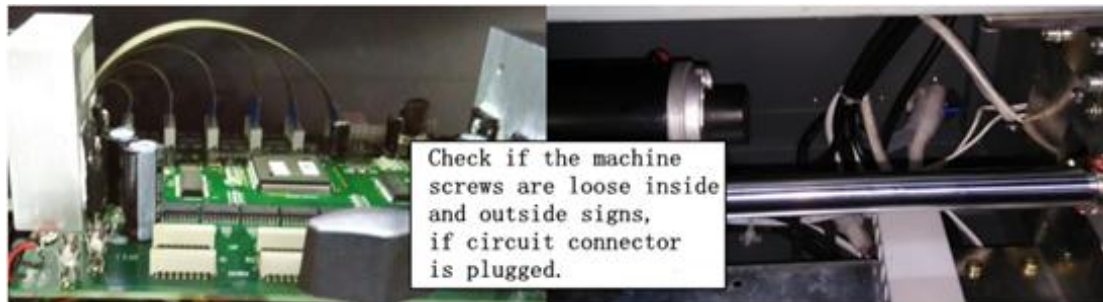
4. Power Check: machine host and the computer mainframe use one power supply (mains, power is not less than 1000W), heating and take up system use another power supply (mains, power is not less than 2000W).

Tow main power, one is for
printer and computer, one is
for heating and take up system

ground
wire
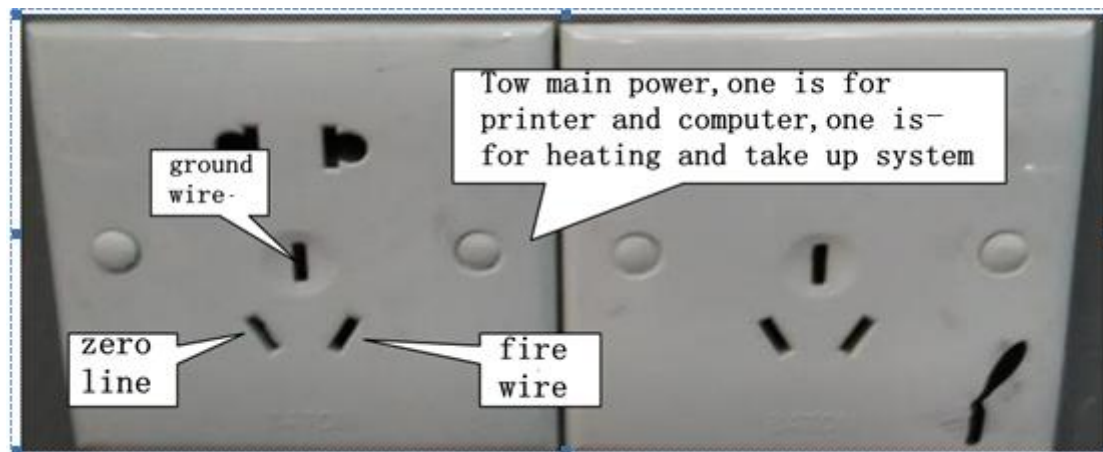
zero
line

fire
wire

Measuring the main input normal or not by using the digital multimeter, the scales between the fire line and zero line is 210-240VAC(digital multimeter reach 750V ac),the scales between the zero line and ground line is less than 1VAC(using 750v ac, there will be 0 as the number is too small, measure again when change to 20V). When the power do not reach ground line, take the machine shell for the reference of ground line.

750V AC

the scales between the fire line and zero line is 210-240VAC

the scales between the fire wire and ground wire is 210-240VAC

using 750v ac, there will be 0 as the number is too small

change to 20V

voltage between zero wire and ground wire < 1VAC
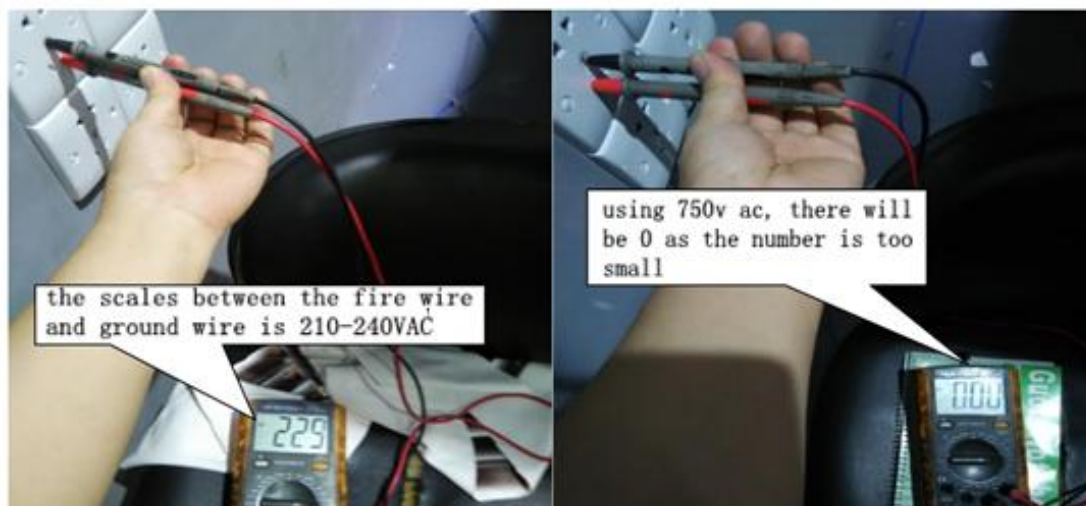
5. After power detection normal, pull the car back and forth by hand to look if it is smooth, then turn on the power, the headboard as shown in picture A, there are six LED lights should be all bright in the blue circle position.

connect the cable and turn on the power,
check if the six lights on headboard are on or not
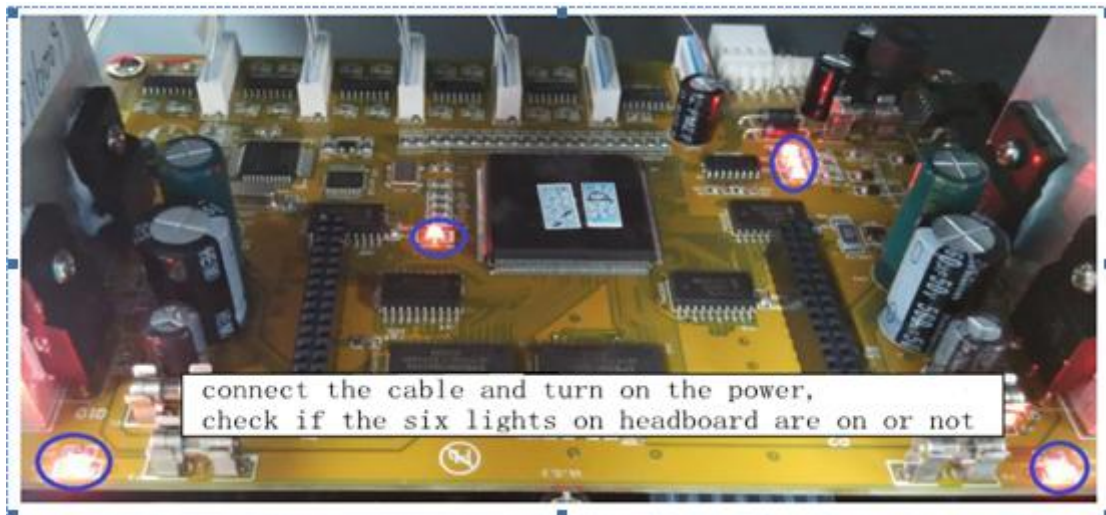
6. Open power, observe if reset is normal. A:capping station down; B:reset; C:capping station up.

A: capping station down

B: reset

C: capping station up
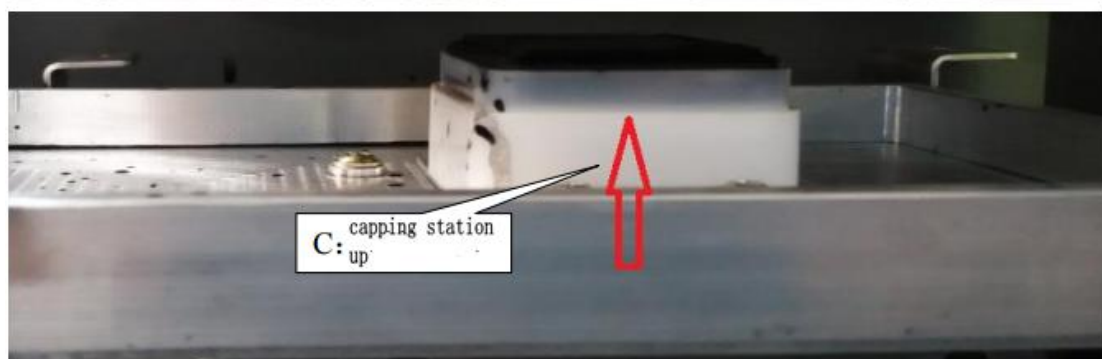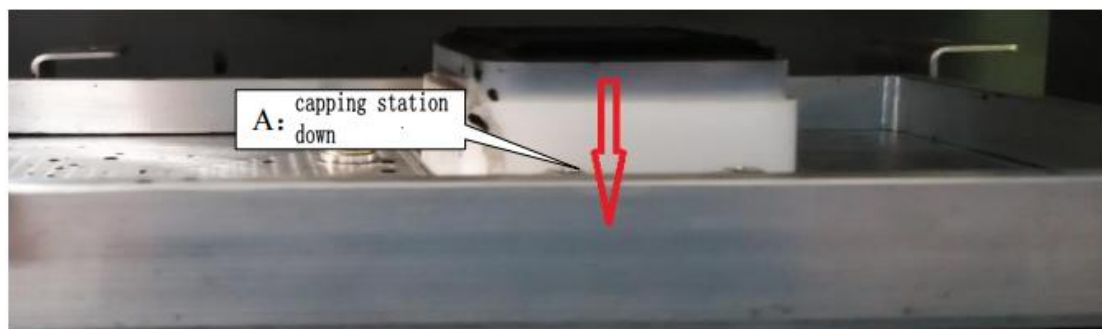
7. Press the keyboard Enter key - into the main menu - select Advanced.
7.1. Select Capping station down to observe if capping station drop, drop to the end, the display screen shows the capping station stops at the bottom.
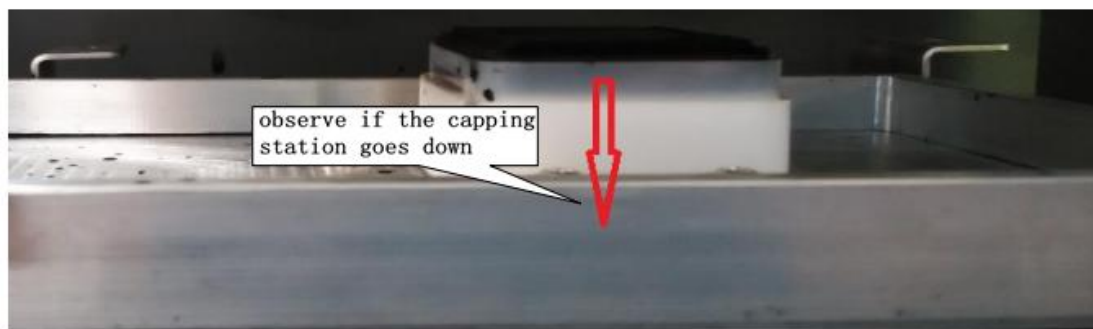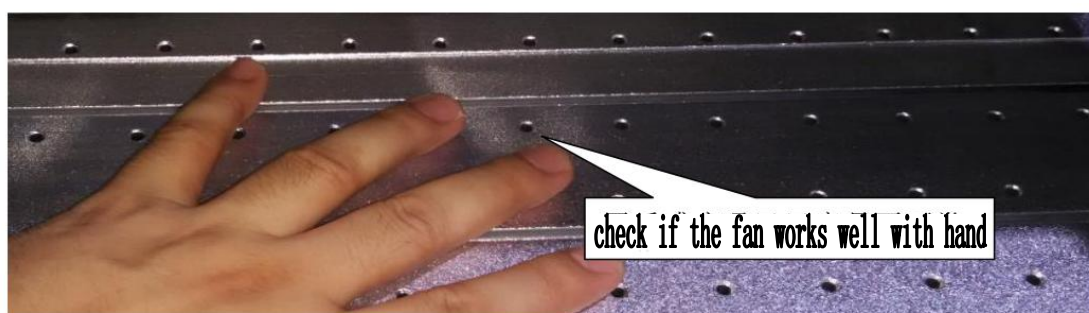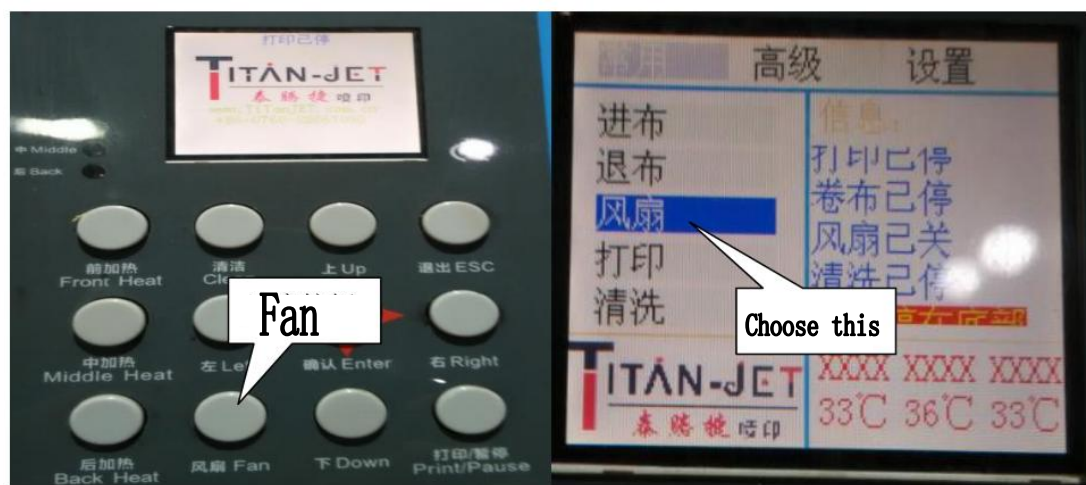
7.2. Select Capping station up to observe if capping station up, up to the top, the display screen shows the capping station stops at the top.
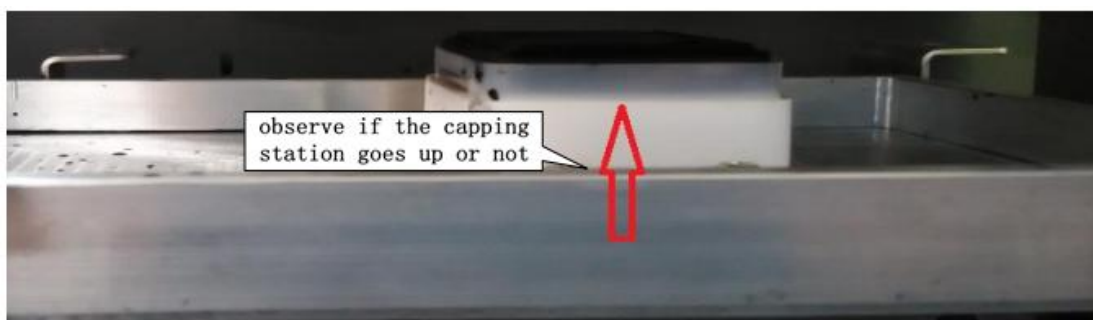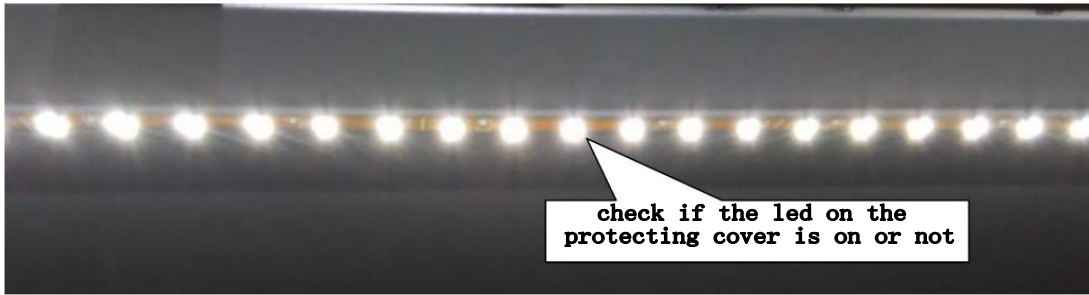

8. Press Esc key to return to the main screen, press front, middle and back heat button, the corresponding indicator indicates normal, while use hand to test if is heating on heating plate.

check if the heating indicator light on

9. Press the Fan button on the keyboard (or go to Common menu - select the Fan), use hand to feel if fan is working properly, while observe if the LED lights are illuminated on the cover.

Fan

Choose this

check if the fan works well with hand

check if the led on the
protecting cover is on or not

10. Enter Common menu, select Into cloth and Back cloth to check if the take up is proper, and also can return to the main screen, press Up, Down button to check if the take up is proper.

Into Cloth

Back Cloth

Into Cloth

Back Cloth

11. Make sure capping station stops at the bottom, it can refer to 7.1. Then enter the Advanced menu, select Self-Test, begin to run the machine, observe if the car movement and stepping is normal.

12.Computer configuration and system recommendations

A: CPU, Intel i5 and more; RAM, 8G and more; hard disk, 1T and more; USB interface 2.0 and more

B: system, WIN7 32 bits and more

13.Install Maintop software and printers (Note: Do not plug the USB cable to the printer).

14. Install print control software(Note: Do not plug the USB cable to the printer).

15. Select the Self-test again, stop running machine.

16. Connect USB cable of computer to the USB interface of the printer, install the motherboard USB drive. (Note: use the back USB interface of computer to connect the printer, unplug the U disk is the best during printing, U disk swap is prohibited).

Connect computer usb to the usb interface of the printer

USB接口
USB CONNECTOR

Install usb driver of the mainboard
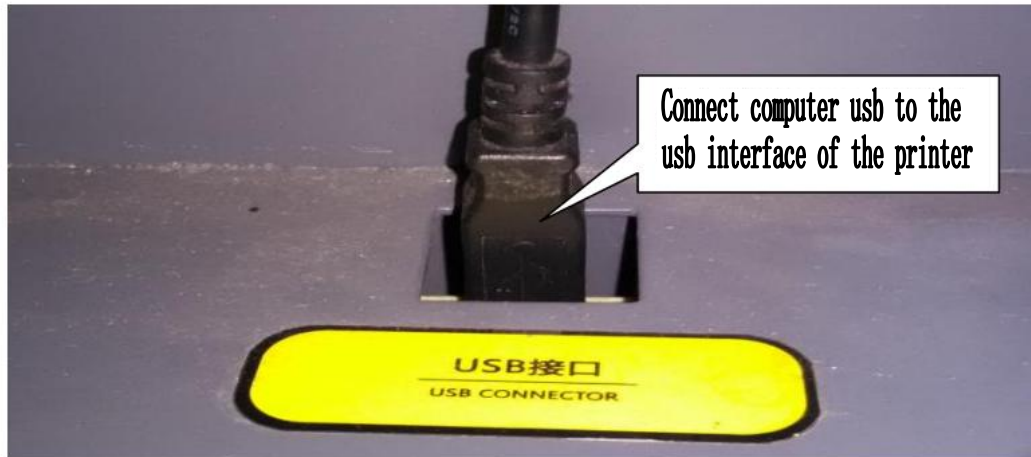
17. Adjust the position of the wiper

17.1. Lift type capping station: Open the print control software ,select T option - Wiper - select lifting. In Flash height can change the height of the wiper, click Test, visually get the difference in height between wiper and the bottom of the plate, the suitable height is the height of a coin from that of the bottom of the plate to wiper. After the test, click Apply, and then click Clean button, the process of the bottom of the plate being scrapped by the wiper can be seen clearly by washing, when find it is inappropriate, to adjust the height of flash again. With many times of adjustment, the most suitable height can be found.

Click Apply

Adjust Flash Height and test it

visually get the difference in height between wiper and the bottom of the plate, the suitable height is the height of a coin from that of the bottom of the plate to wiper.

Clean

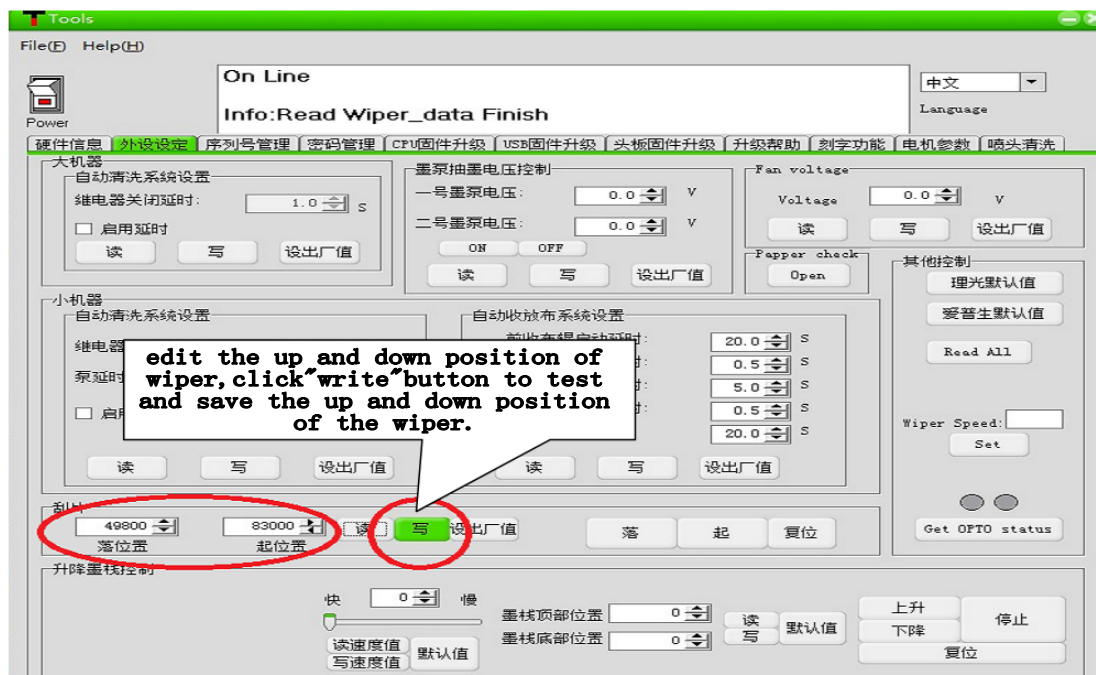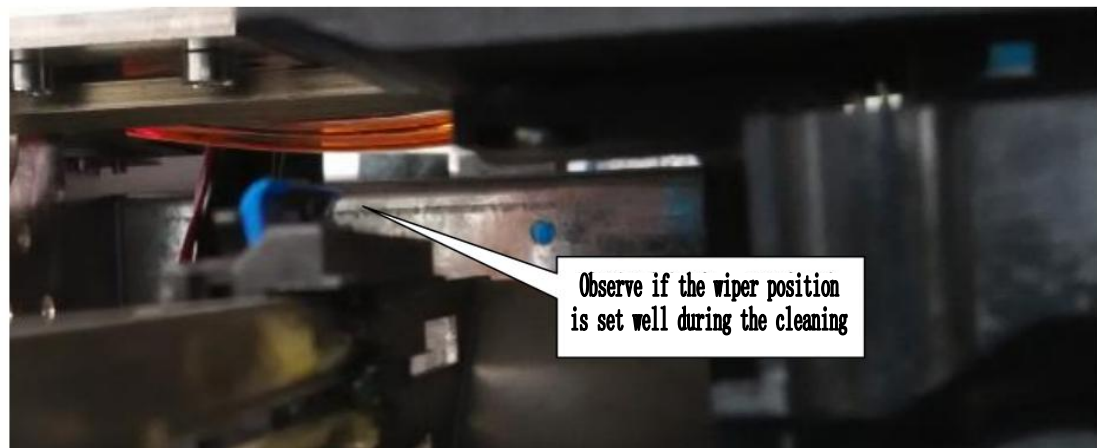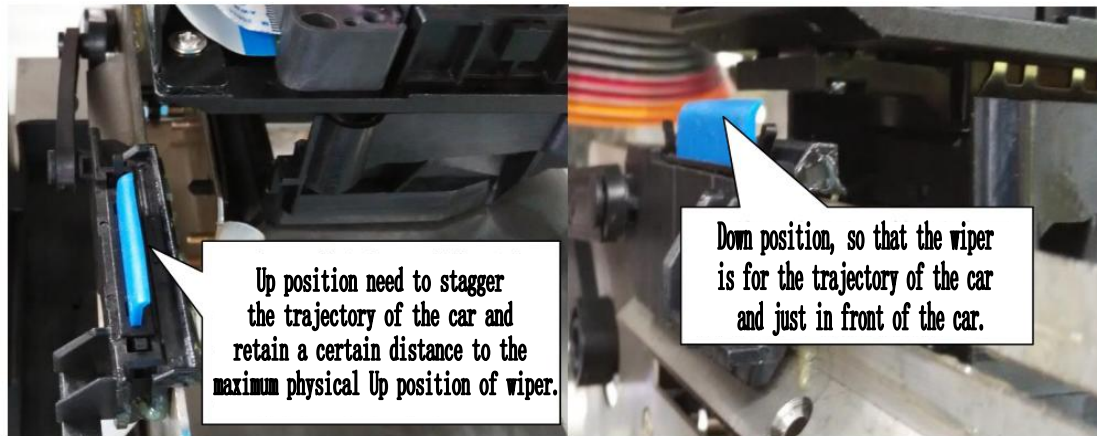Observe if the wiper is fitted right or not during the cleaning
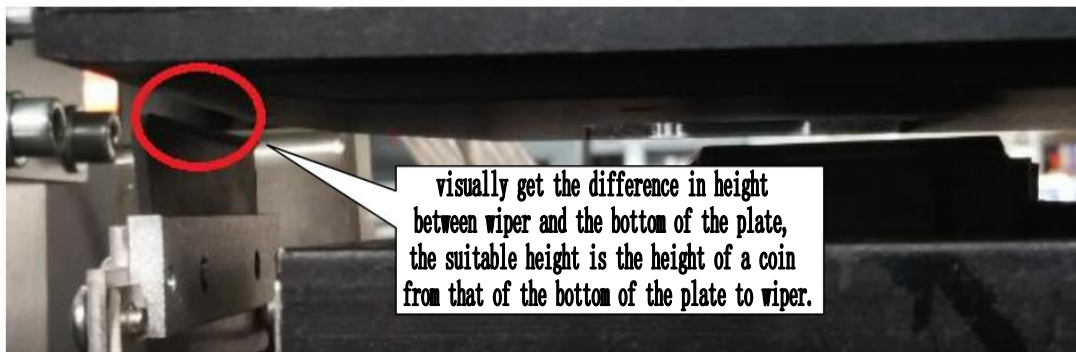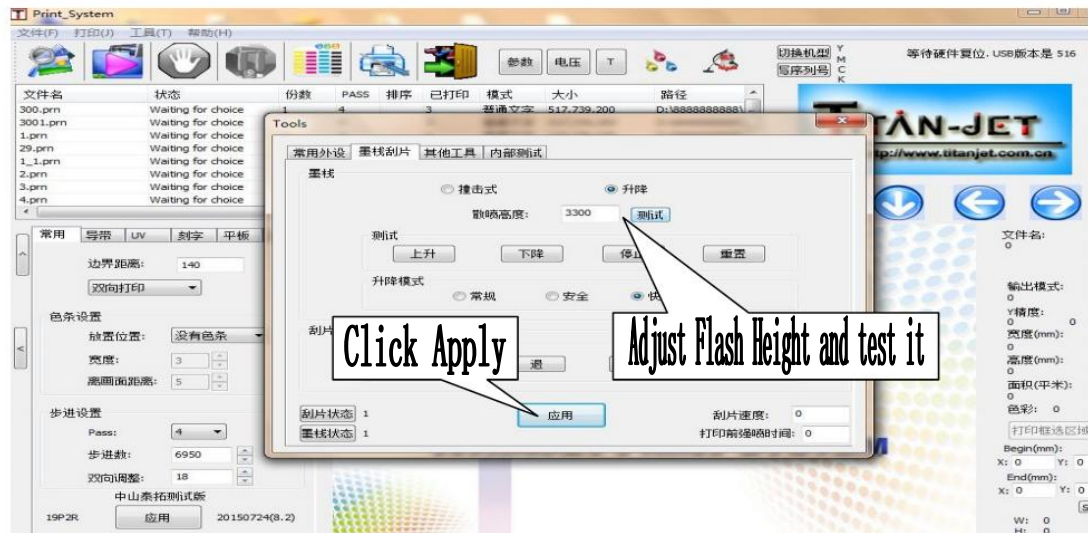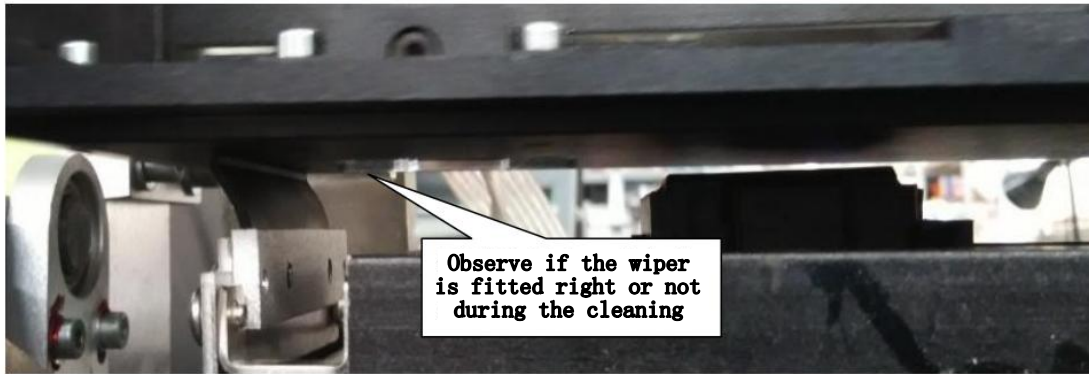
17.2. Collision type capping station: Open T tool ,select the Control Delay

Times Setting, which has setting for up and down position of wiper, finish setting, you can click on the Set button to test and save, Up position need to stagger the trajectory of the car and retain a certain distance to the maximum physical Up position of wiper. Down position, so that the wiper is for the trajectory of the car and just in front of the car. After the adjustment is complete, open


Print control software , click the Cleaning button, you can observe the action of the wiper scraping the bottom when cleaning, if inappropriate, then readjusted to confirm the optimal up and down position of wiper.

edit the up and down position of wiper,click"write"button to test and save the up and down position of the wiper.

Up position need to stagger the trajectory of the car and retain a certain distance to the maximum physical Up position of wiper.

Down position, so that the wiper is for the trajectory of the car and just in front of the car.

clean

Observe if the wiper position is set well during the cleaning

18. Get nozzle voltage, check the voltage if match between ink and print material, the appropriate voltage can be downloaded from Tao tech website.
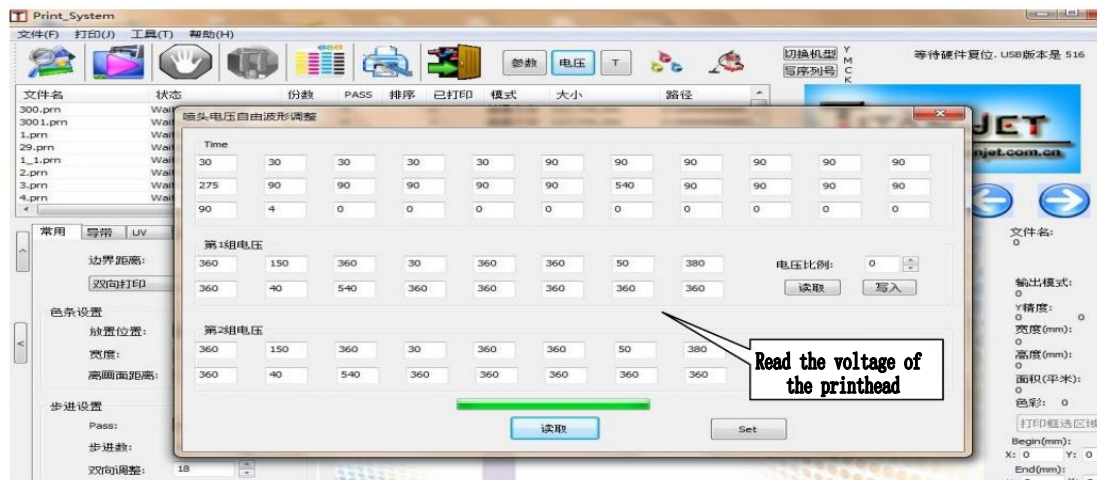
19. MainTop software used to make a wide picture and use the print control software to print(Note: now do not need to install nozzle), check during the process if printing operation is normal and paper not feed.
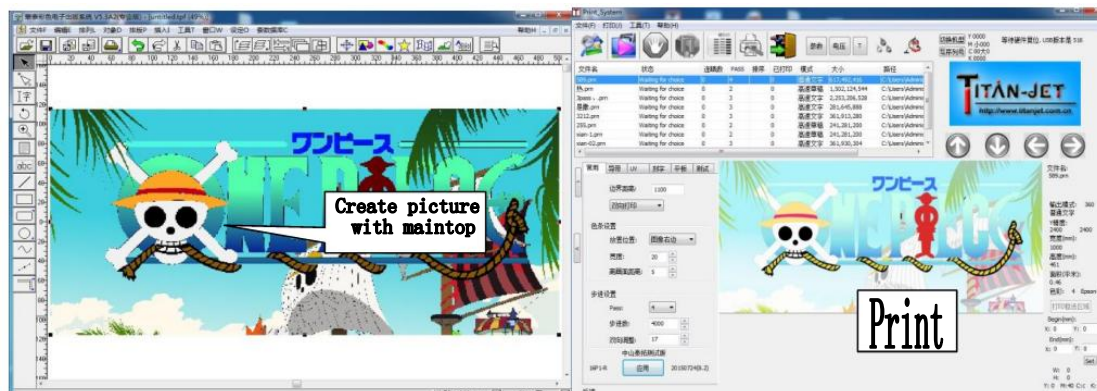

20. Supply ink, pump ink, to establish the ink system


21. Install the nozzle

Corresponding the lines from the nozzle to headboard transfer plate according to the following order: the lines in the top of the nozzle are corresponding to that of the transfer plate, the lines under the nozzle are corresponding to that of the transfer plate(top to top, down to down), and correspond from left to right , (for the single-nozzle machine is guaranteed 1 to 4 are corresponding).
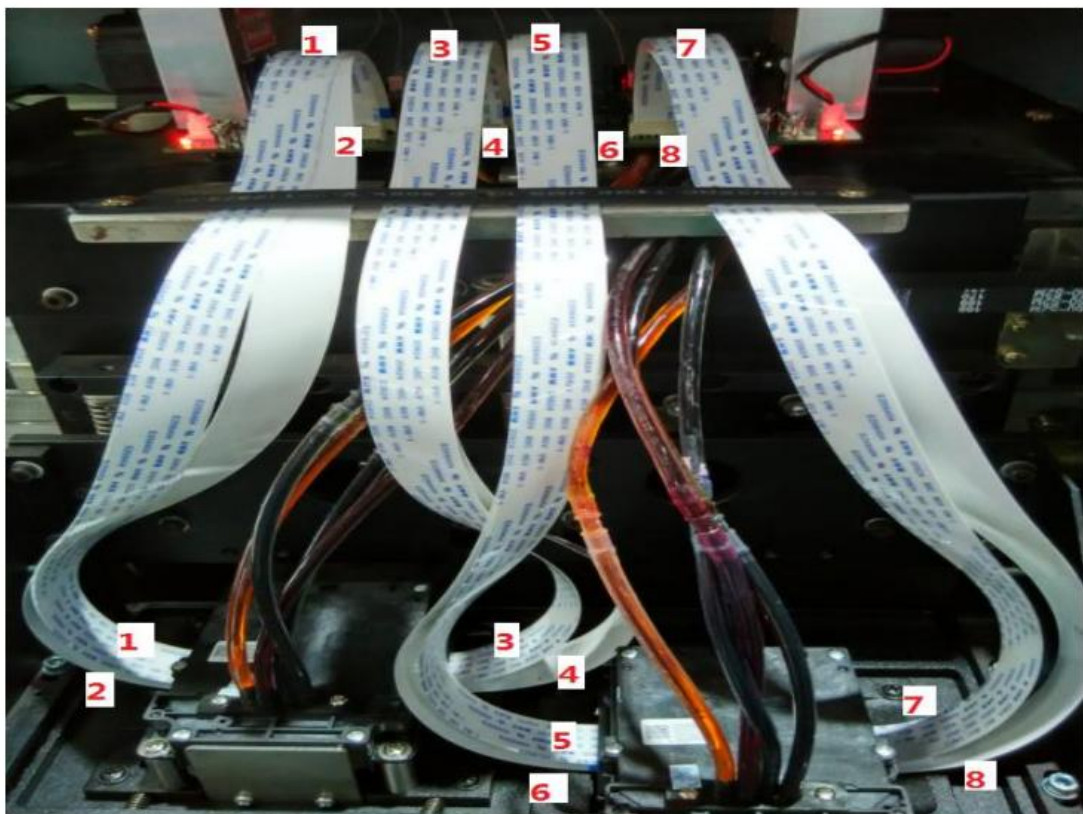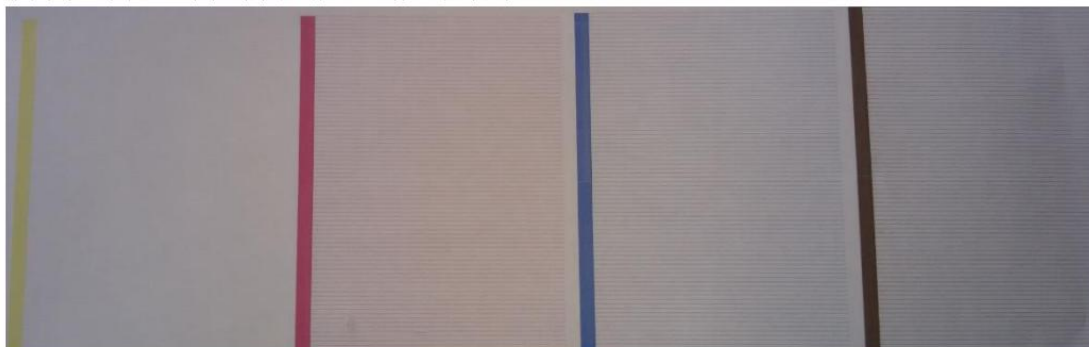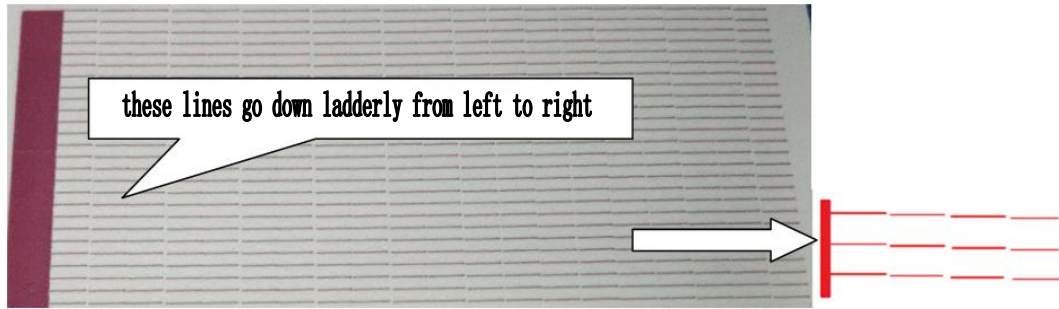

22. Set ink order: Y(Y)—M(M)—C(C)—K(K).

23. Note for nozzle adjust: the bottom of the car plate should be horizontal, adjusting the screws to complete the physical adjustment and finishing the adjustment of the printing by using the printing controlling software.
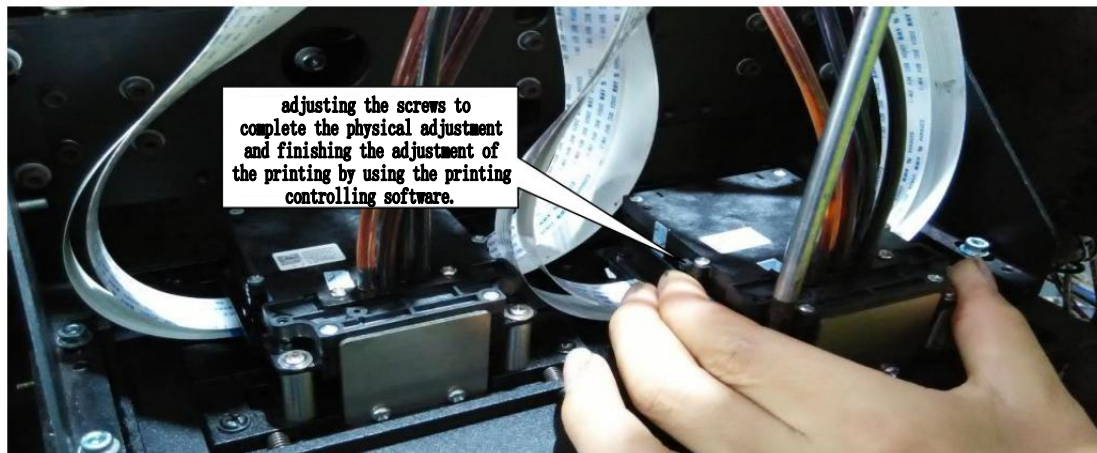
After adjustment, the test bar should be able to achieve the following results:

Partial enlarged as follows:

24. Print