



HLK-XP600

DTF Printer

User Manual

操作说明

It is recommended that both new and old customers, carefully read this instruction manual, including tutorials, precautions for novice, common problems, daily maintenance of the printer, etc.



2024. 1. 29 Revised Edition

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I. What you will get 配件包



Film Holder
放膜支架



Film Tray
出纸平台



Power Cable
电源线



U disk
U盘

Dongle
加密狗

Software
软件



USB Cable
数据线



White ink damper
白色墨囊 x2



Color ink damper
彩色墨囊 x2



Sensor
传感器 x1



White ink filter
白墨过滤器 x1



Ink Pad
吸墨垫 x1



Non-woven fabric
无纺布 x5



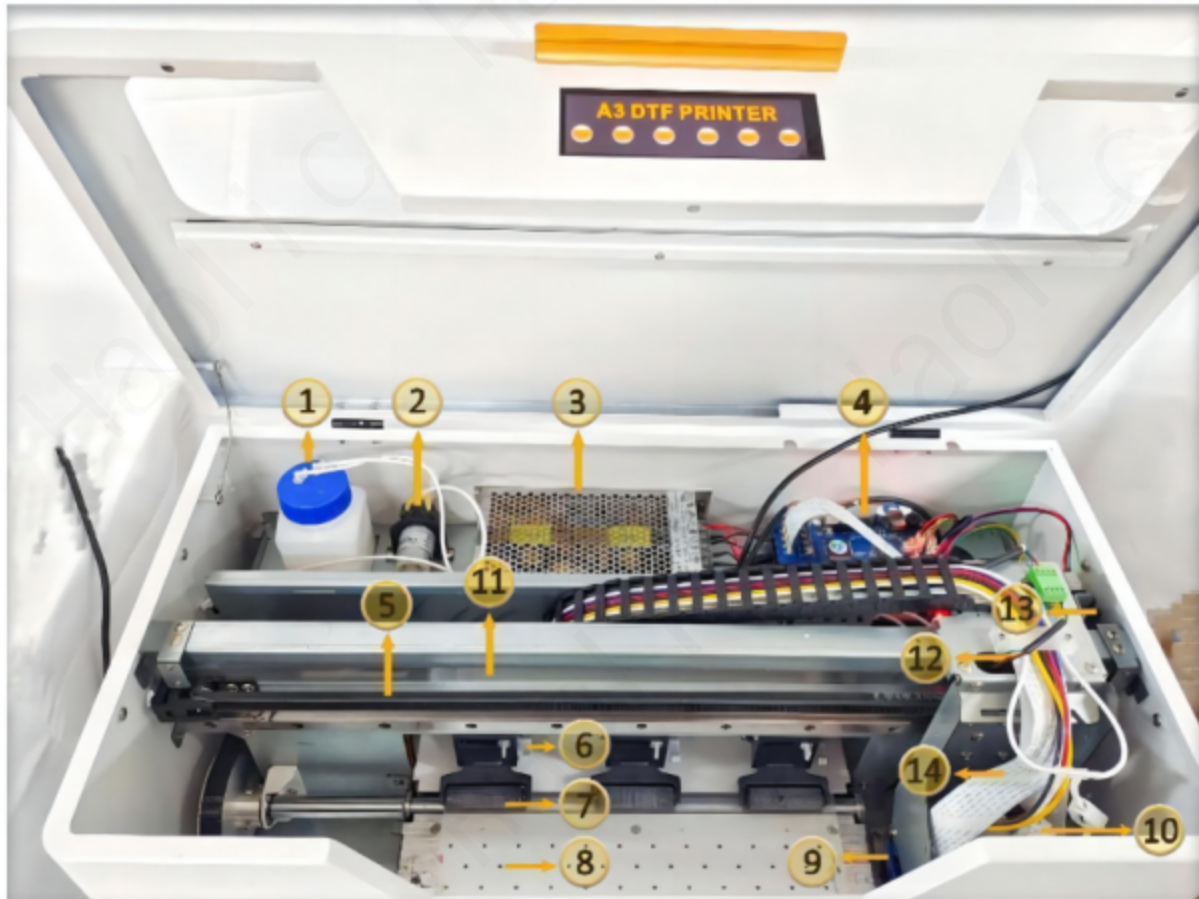
Cleaning swab
清洁棒 x2



Syringe
注射器 x2



- Clean** Clear printer head
- Print** The printer starts working
- Left** Left shift of printer head
- Right** Right shift of printer head
- Feed** Printing film forward
- Back** Printing film retraction



1 White ink bottle

2 White ink circulation pump



3 Power box 电源盒



4 Mainboard 主板

5 Belt 皮带



6 Paper pressure controller

7 Paper pressure

8 Vacuum suction platform

9 Printhead wiper: After cleaning the nozzle, scrape the surface clean

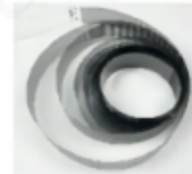


Ink Pad

10 Damper 墨囊



11 Grating 光栅



12 Decoder 解码器

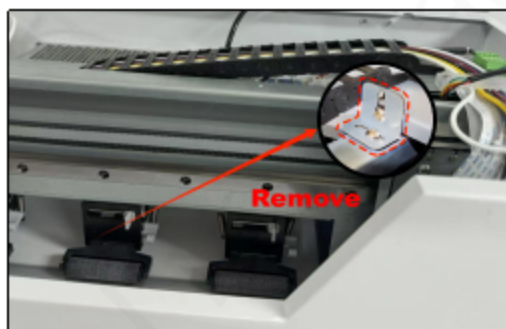


13 Sensor 传感器

14 Printhead cable 喷头排线

II. Printer tutorial 打印机教程

1. Remove the nozzle lock 取下喷头锁



2. Ink installation 装入墨水

- A. Fill the ink of the corresponding color according to the label of the ink bottle.
A. 根据墨水瓶的标签填充相应颜色的墨水。



waste ink tank 废墨仓

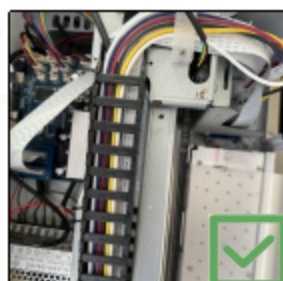


White Ink
白色墨水

Shake the white ink bottle before adding white ink to avoid sedimentation.
添加白色墨水前摇晃白色墨水瓶，避免沉淀物。

Fill the printer with ink through the software BetterPrinter, see III-1-G for detailed steps. Make sure the ink reaches the print head and there is no air in the ink tube.

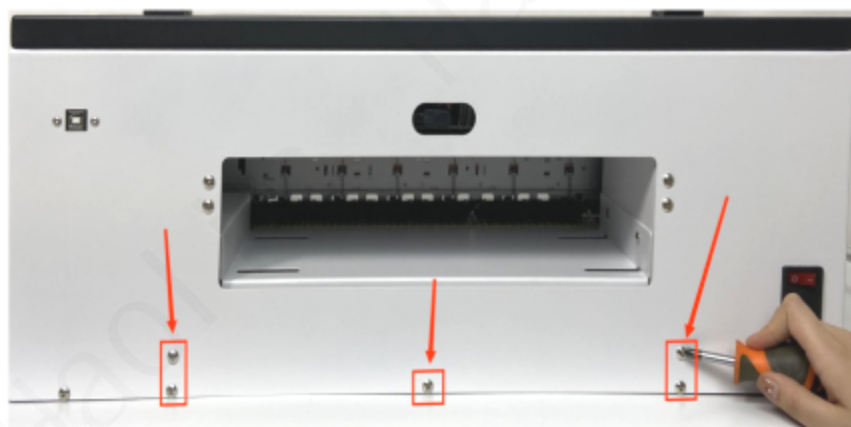
通过软件 BetterPrinter 给打印机注墨，详细步骤见 III-1-G。确保墨水到达打印头，且墨管中无空气。



3. Film installation 安装打印膜

A. Install the roll film 安装卷膜

Remove the screws on the back of the printer. 拆卸打印机背面的螺丝。



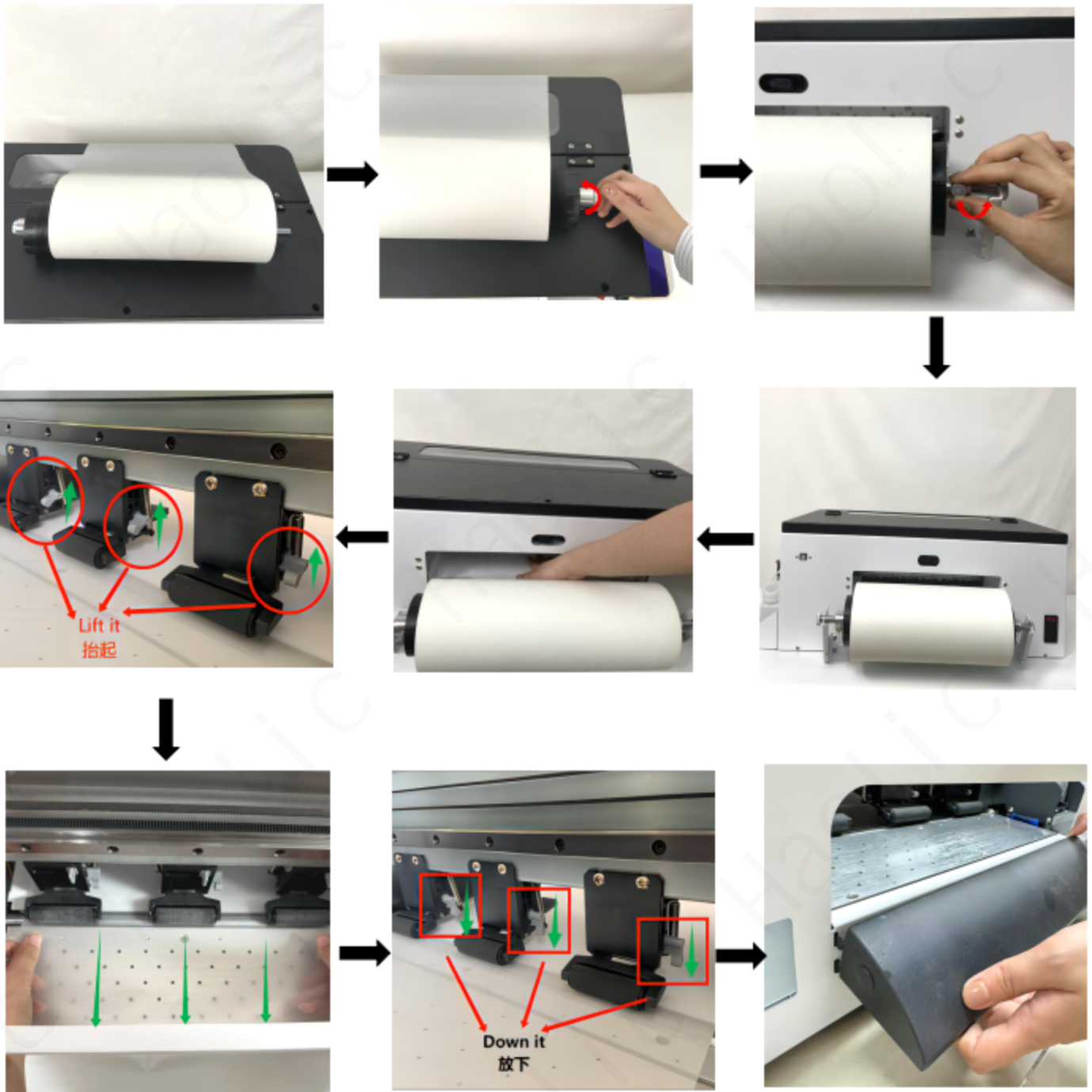
Align the film roll holder with the screw hole. 将卷膜支架对准螺丝孔。



Secure the film roll holder with screws. 用螺丝固定卷膜支架。



- Put the film on holder. 将膜放入支架。
- Secure the film with screws. 用螺丝固定卷膜支架。
- Put the film in printer. 将膜放入打印机。
- Lift all three film press. 抬起压纸轮。
- Pass the printing film under the film press. 将打印膜从压纸轮下放穿过。
- Down all three film press. 放下压纸轮。
- Install the output platform on the front of the printer. 将出纸平台安装在打印机的前端。



Keep perpendicular to the horizontal direction.保持与水平方向垂直。



Notice:

The film must not exceed the red dotted line, otherwise it will scratch the nozzle.
打印膜不能超过红色虚线，否则会刮坏喷头。



Click the screen 'feed' button and let the film move forward about 1 meter. If normal, you can start printing.

点击屏幕 '进纸' 键，让膜向前走 1 米左右，如正常可以开始打印。

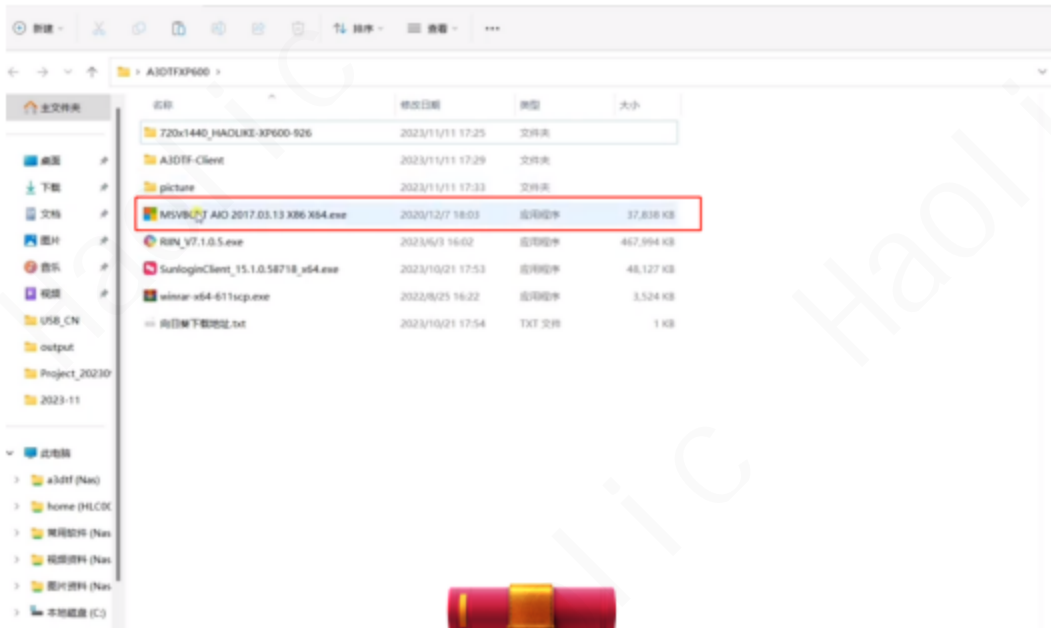


III. Software tutorial 软件教程

1. Driver installation 安装驱动

A. Install Microsoft's runtime library 安装微软运行库

(PS:When install,Anti-virus software needs to be turned off.安装时暂时关闭杀毒软件.)

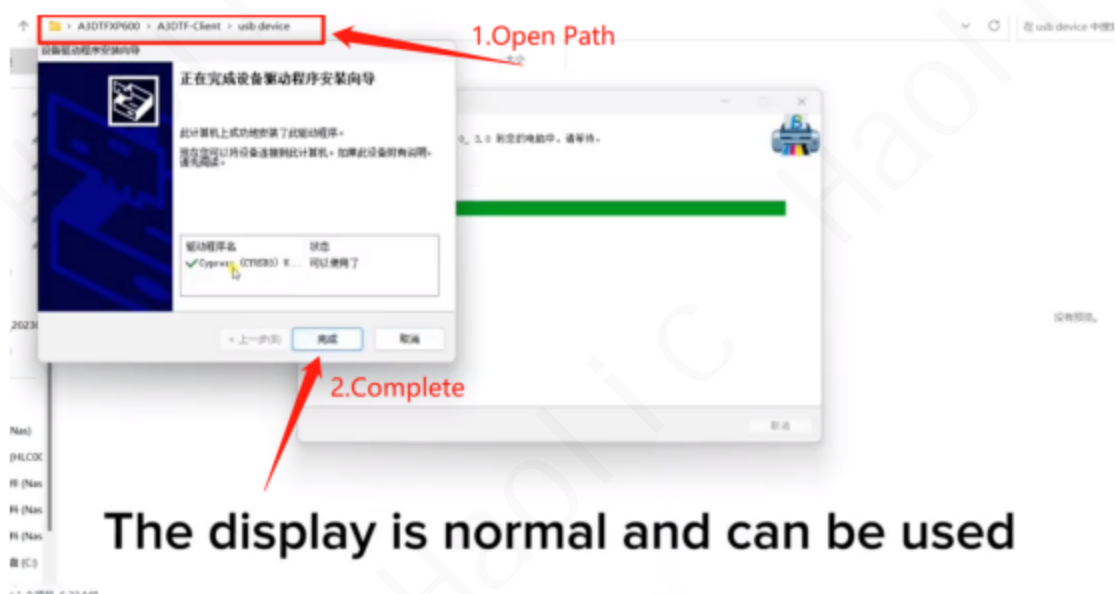


B. Install winrar 安装 winrar

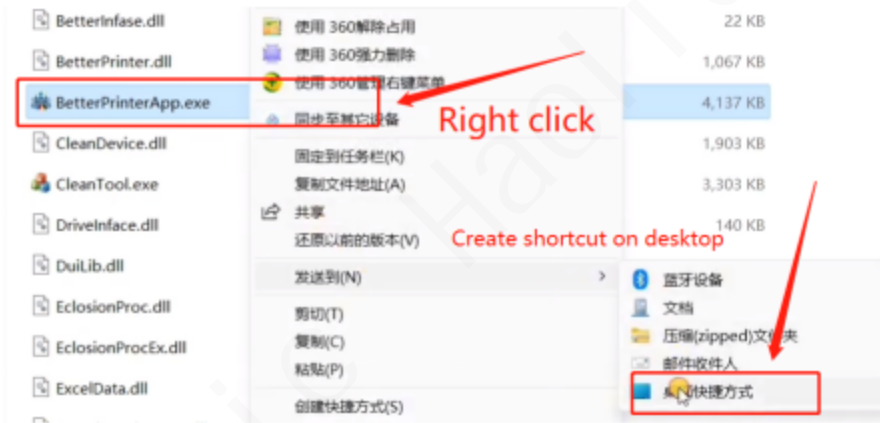


C. Install printer driver 安装打印机驱动

Open path:A3 DTF XP600→A3DTF ClientE→usb device(安装路径)



D. Create Shortcut of Betterprinter software 创建软件快捷方式



E. Open BetterPrinter software 打开北印软件



F. Connect printer and computer 连接打印机和电脑。

connect the printer and computer with a USB cable.
USB 一头连接打印机，另一头连接电脑。



Plug in the power cable and turn on the printer.
插上电源线,打开打印机电源。



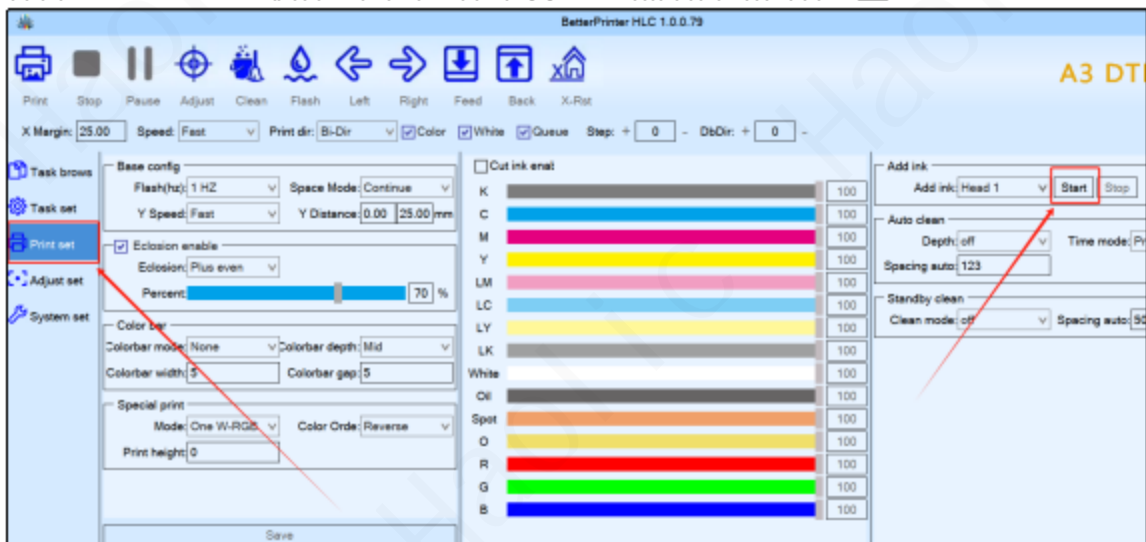
PS: If the connection is successful, this picture will appear in the lower left corner of the software page.

安装成功后，软件页面左下角会出现此图标。



G. Open 'BetterPrinter' software, Click 'Printer set', then start add ink.

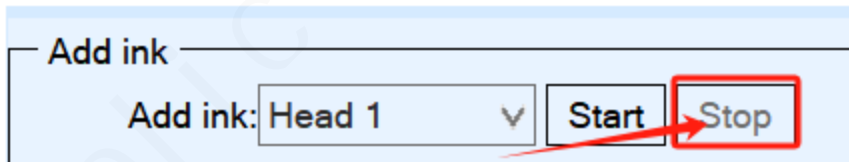
打开'BetterPrinter'软件，点击'打印设置'，然后开始强制注墨。



until all the ink arrive at printhead.
直到所有墨水到打印头。



Click stop. 点击停止注墨。



H. Clean the printhead 2-3 times. 清洗打印头 2-3 次。



I. Do Nozzle test. 打印检测条。



Once you get a complete and perfectly colored detection line, you can start printing the pattern.

If the detection line is disconnected, it is necessary to continue to clearly detect the print head until a complete detection line is obtained.

一旦您获得完整且颜色完美的检测线，您就可以开始打印图案了。

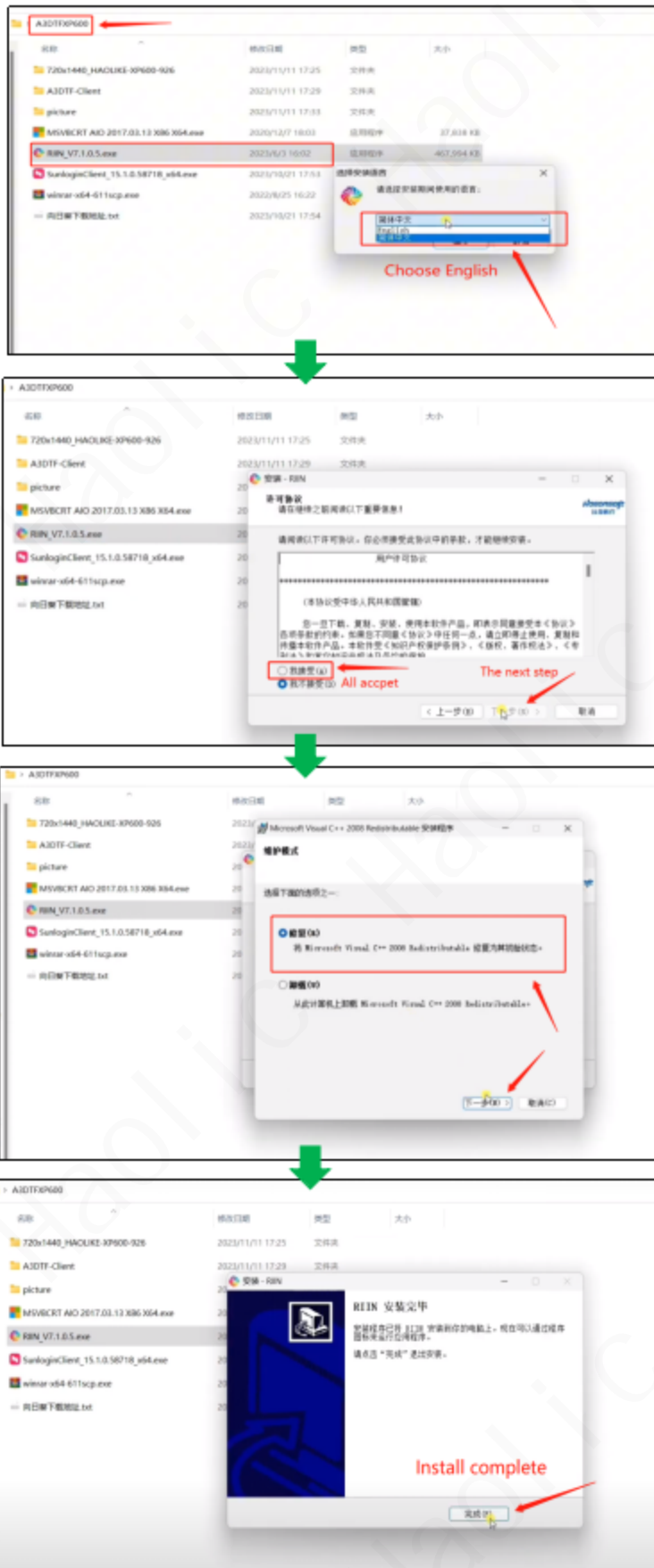
如果检测线断开，则需要继续清洗检测打印头，直到获得完整的检测线。



PS: Do not wash too many times at once, otherwise it will cause damage to the print head!!!

注意：喷头不能一次性清洗太多次，否则会对喷头造成损害!!!

2. Install RIIN software 安装 RIIN 打印软件





3. RIIN Software Settings 软件设置

A. Insert the blue dongle into the computer
电脑插入蓝色加密狗

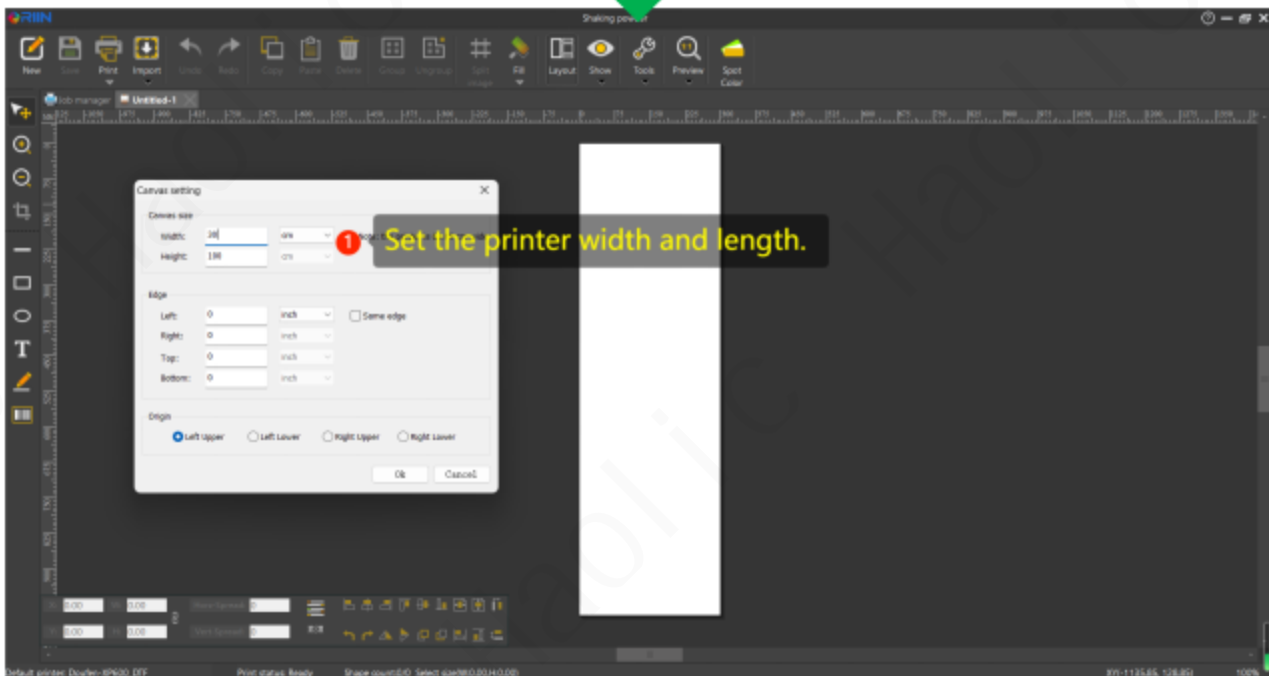
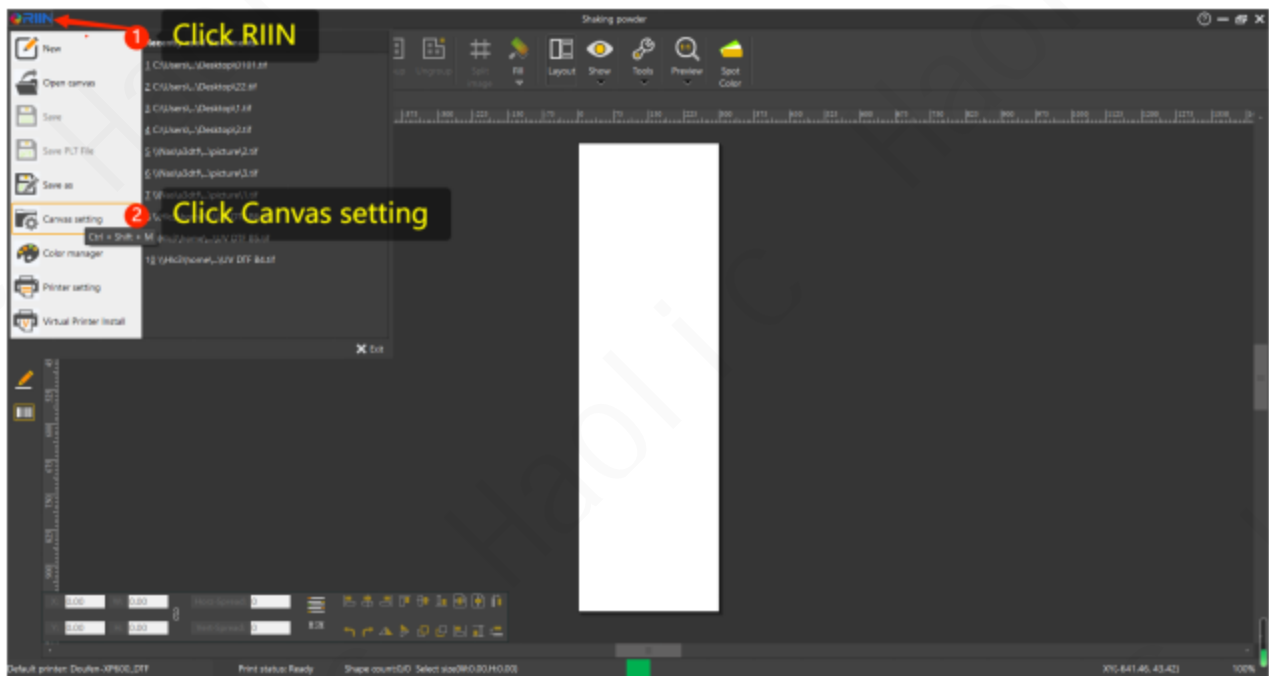


B. Open RIIN software 打开 RIIN 软件



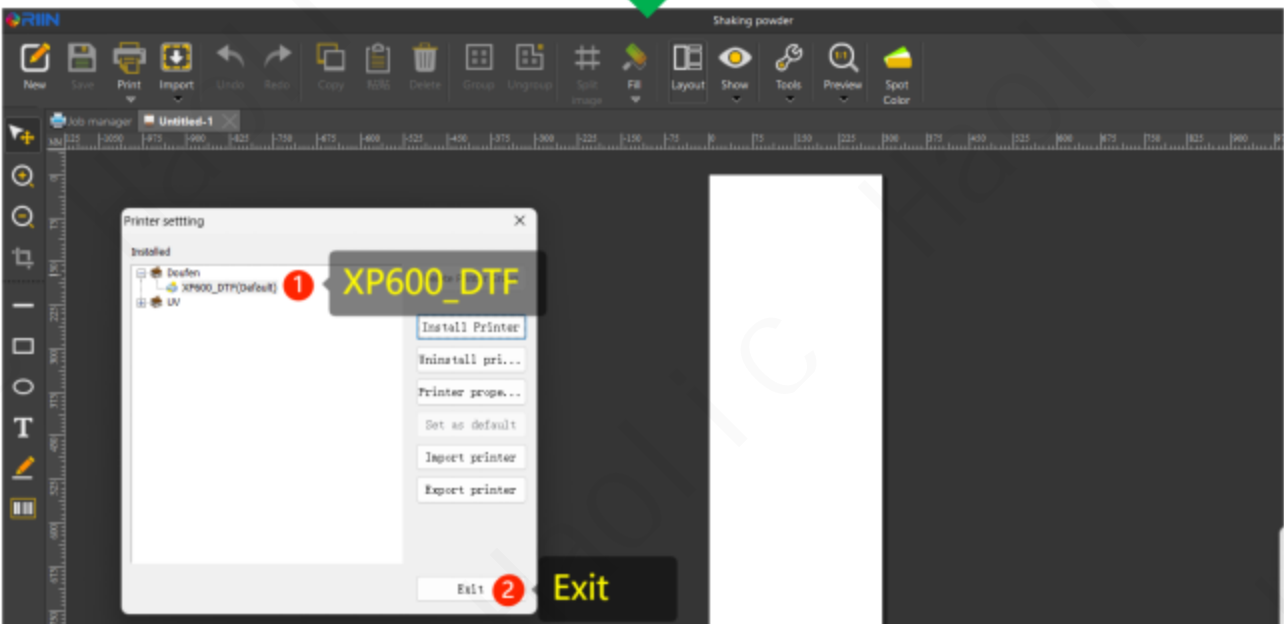
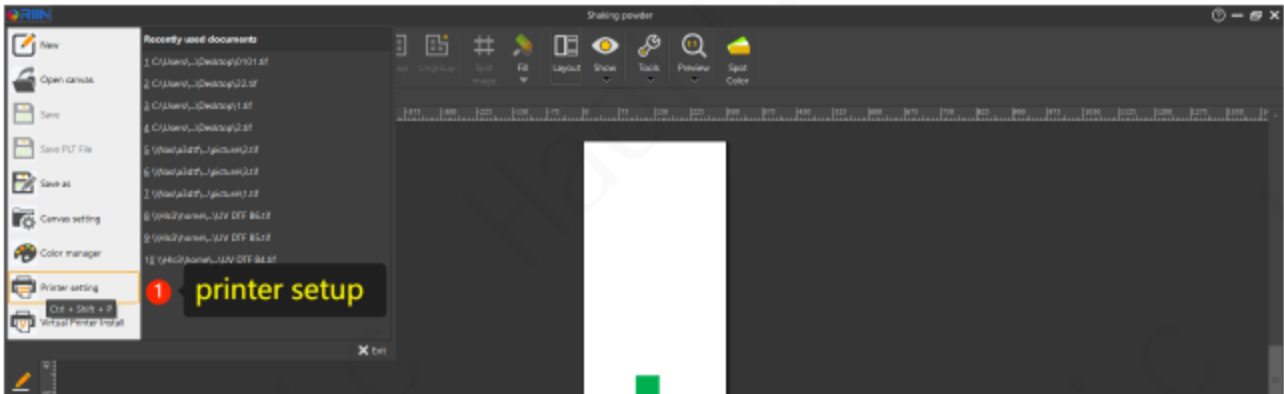
C. RIIN Setting RIIN 软件设置

Click RIIN to set the canvas size. The width of the film cannot exceed 33cm.
点击 RIIN 设置画布尺寸，打印膜宽度设置不可超过 33cm.

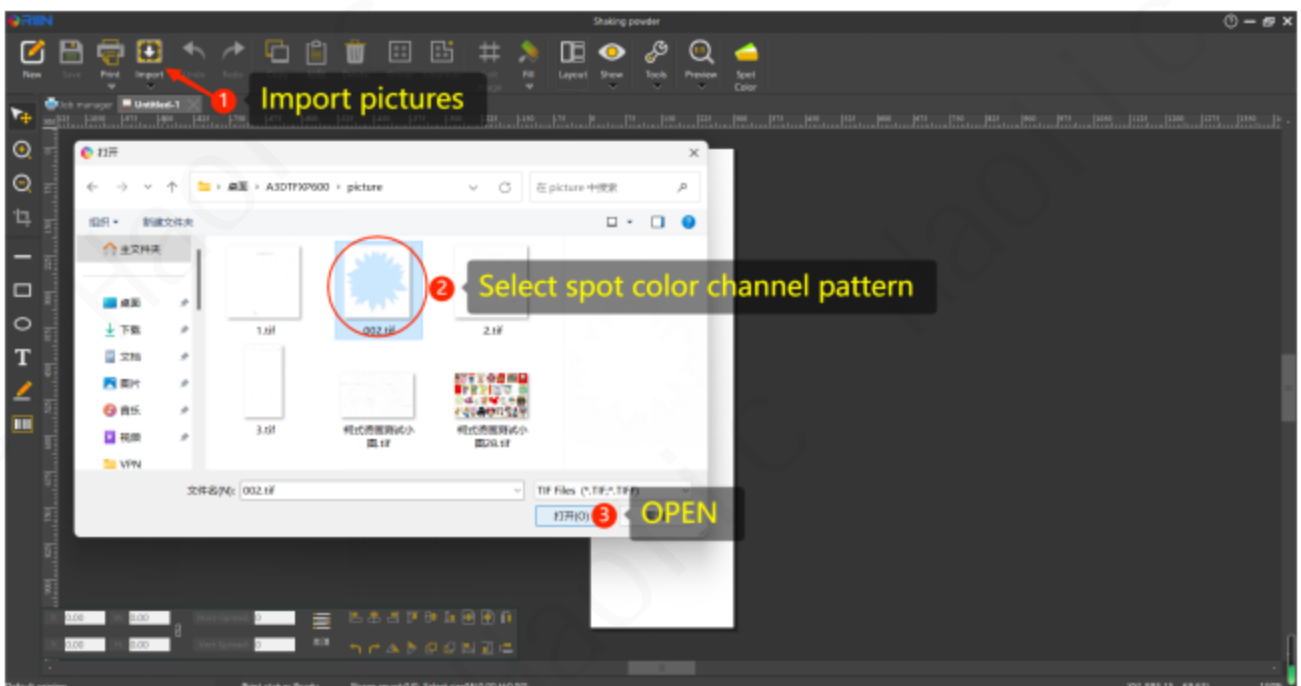




Set the printer model XP600_DTF. 设置打印机型号 XP600_DTF。

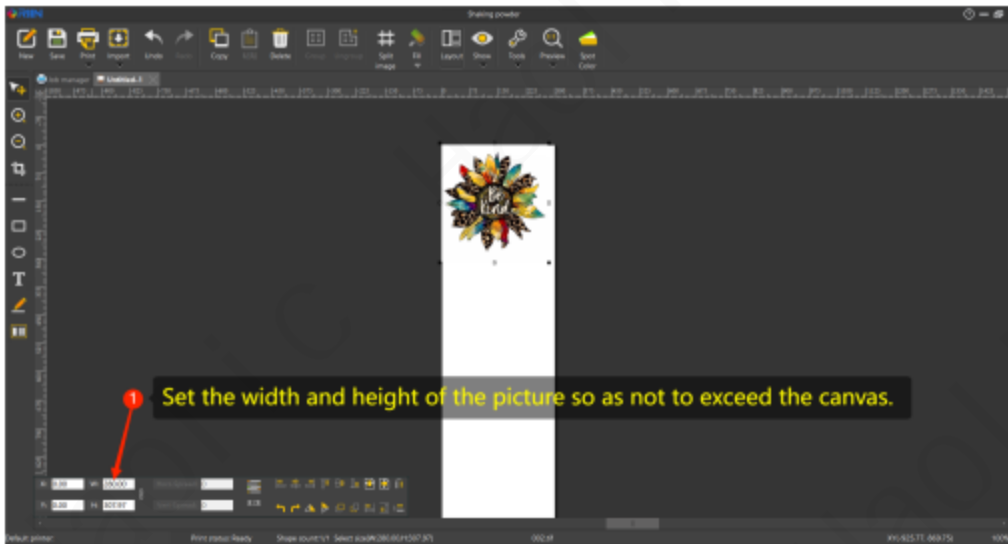


Insert the picture to be printed, usually in Tif format (with spot color channels).
插入要打印的图片，通常为 Tif 格式（做好专色通道的）。

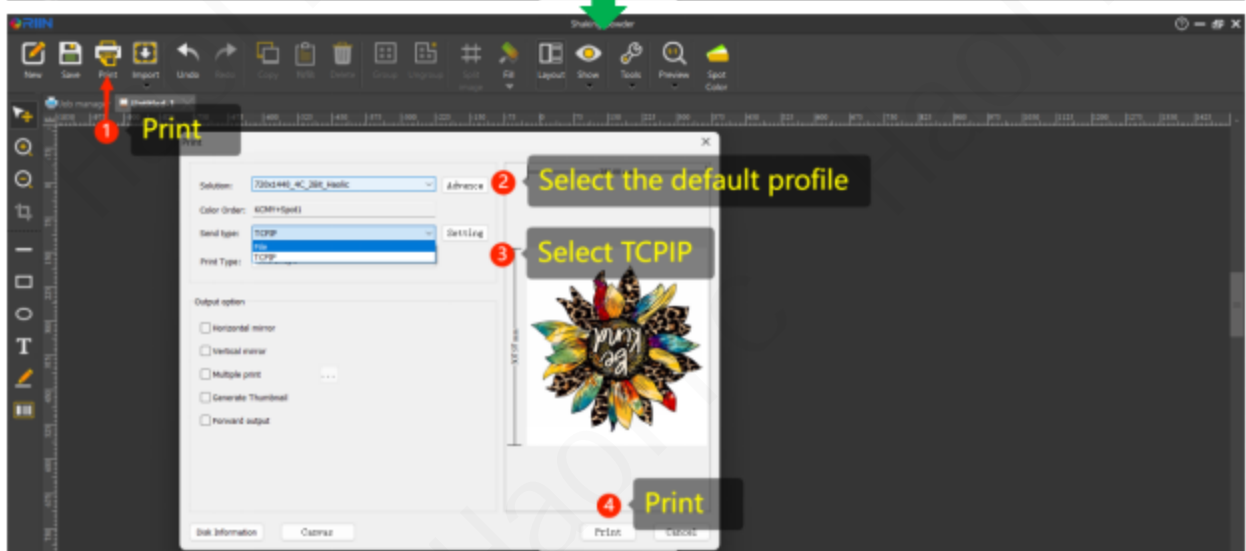
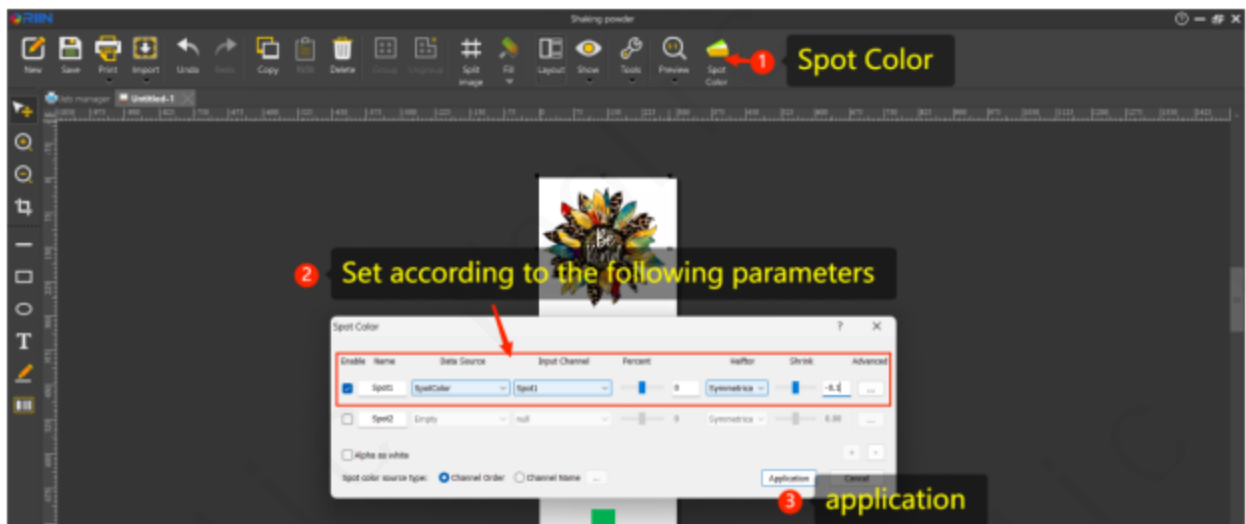




Set the image size, which cannot exceed the canvas size.
设置图像尺寸，不可超过画布尺寸。



After setting the corresponding parameters below, start printing.
设置下方相应参数后，开始打印。





III. Printer maintenance 打印机保养

(1) Keep the platform clean.保持平台的清洁。

Prevent contaminants on the platform from damaging the print head and affecting printing.防止平台上的污染物损坏打印头或影响打印。



(2) Keep the grating clean to prevent printing duplicates. Wipe the grating strip with a non-woven cloth dipped in alcohol or 50°C warm water.

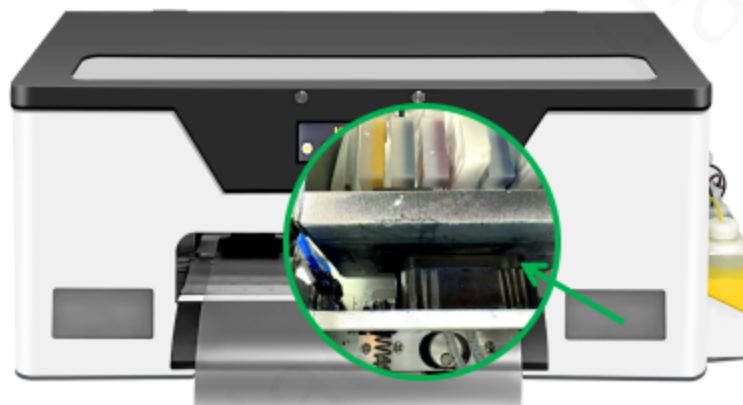
保持光栅条整洁,防止打印重影。用无纺布沾酒精或 50°C 温水擦拭光栅条。



(3) Reposition Sprinkler Head 喷头复位

After each use, nozzle must be reset, prevent the nozzle from clogging.

每次使用后,必须复位,防止喷头堵塞。





(4) Plenty of ink 充足的墨水

Plenty of ink to ensure that the ink road is not blocked.

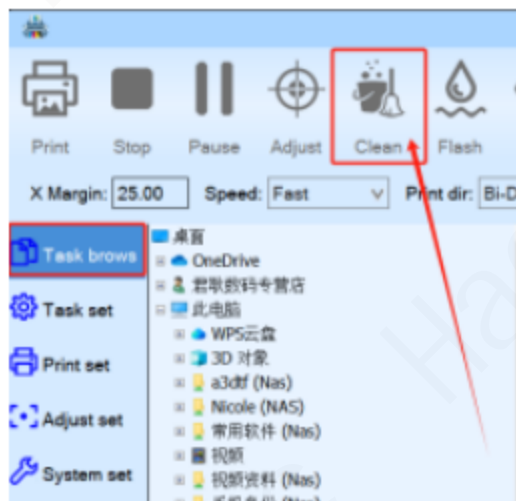
墨水充足，保证墨路不堵塞。



(5) Maintenance before printing 打印前保养

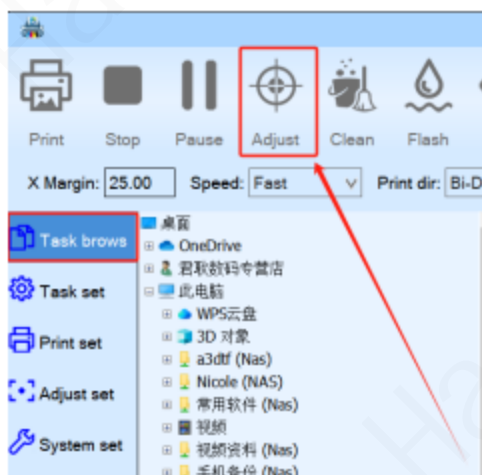
Step 1: click the cleaning function on the software to clean the print head 第一步：

点击软件上的清洗功能，清洗打印头



Step 2: print the test bar and check the status of the print head 第二步：

打印测试条并检查打印头状态





If the test strip is incomplete, it needs to be cleaned again.

如果检测条不完整，则需要再次清洗。



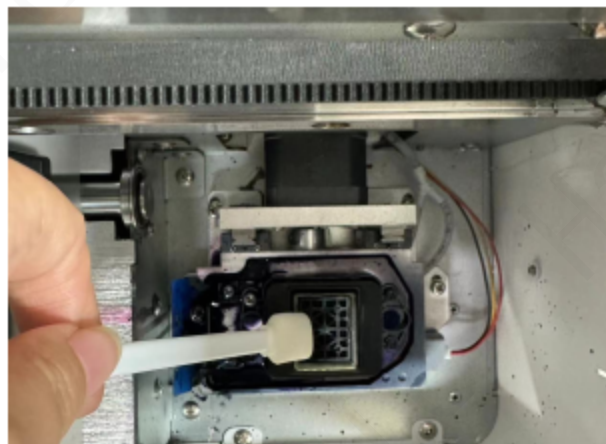
(Note: If the status of the test strip is not improved after repeated cleaning and printing, you need to contact technical personnel to help check whether the nozzle is damaged.)

注意：如果多次清洗并打印检测条状态没有好转则需要联系技术人员协助检查喷头是否损坏。

Maintenance is required before printing every day to ensure that the nozzle is not blocked. 每天打印前需要做一次保养，保证喷头不堵塞。

(6) Use a cleaning swab dipped in alcohol or 50° C warm water to clean the ink absorbing pad and surrounding waste ink.

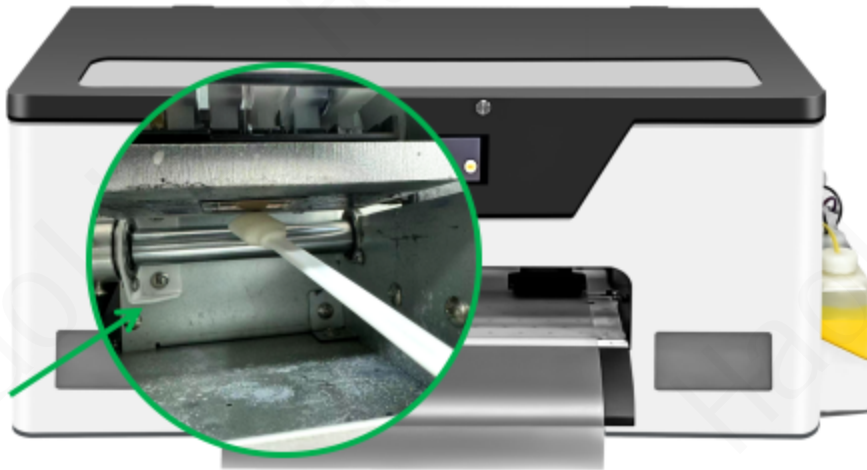
用清洁棒沾酒精或 50°C 温水后清理吸墨垫及周围废墨。





(7) If the print head is scratched, or a complete test strip cannot be obtained, move the print head to the left end of the printer, observe the print head surface, and wipe the print head surface with a cleaning rod dipped in alcohol or 50° C warm water.

如果打印头被刮到，或者无法都得到完整的检测条，将打印头移到打印机左端后观察打印头表面，用清洁棒沾酒精或 50°C 温水擦拭喷头表面。



(8) Weekend and long holiday maintenance 周末及长假保养

Apply nozzle moisturizing fluid on the ink pad to keep the print head moist. 在吸墨垫滴上喷头保湿液，让打印头保持湿润状态。



Click force ink injection on the software to ensure that the entire ink path is full of ink and prevent the nozzle from blocking. 在软件上点击强制注射墨水，保证整个墨路充满墨水，防止堵塞喷头。

