

Direct to Substrate Printing Solutions

artis 3000U
Set Up and Installation

artisJet Customer Care
March 2017

Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 3000U Set Up and Installation

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Preparation

After receiving the goods, please check and make sure the package is under good condition without damages. Then put the machine on stable table and check the spare parts in standard box.

The USB dongle(white) is key for using Rip V8.2.6 without storage function.





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artis 3000U Set Up and Installation | Preparation

Please confirm the local power is 220V or 110V . then please find the label which is located at back-bottom of the machine. It says 110V or 220V. Please make sure they are same which means the label is correct with the local power standard.



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artis 3000U Set Up and Installation | General Introduce

(1) Control Panel

(2) General Power Button



(3) Ink Bottles

(4) UV Cooling Fans

(5) UV Cooling Liquid Container





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General Introduce


Moving up the flatbed


Moving down the flatbed



Moving back flatbed and ready to print



Indicates flatbed not ready to print


Moving out the flatbed


Moving back the flatbed



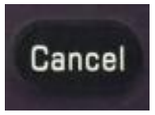
Indicates machine ready to print



Indicates Printer Driver need refill ink



Indicates UV System ready to work



Delete the pending print task



Make UV system ready to work



Check the machine condition and set extened functions



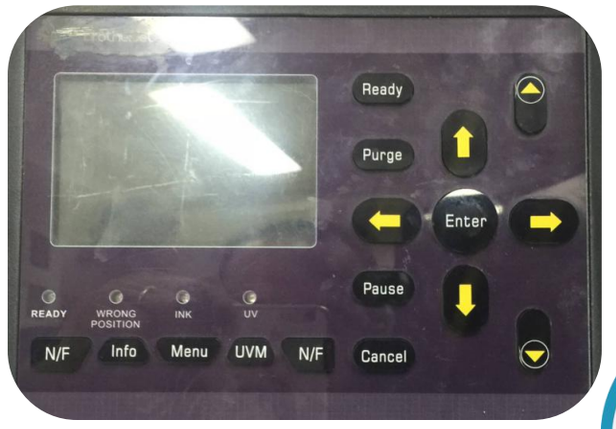
Make machine get online



Unlock the Print Head



Perform ink pumping



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(6) Exhausting Fans for Spraying Inks

(7) Ground Wire

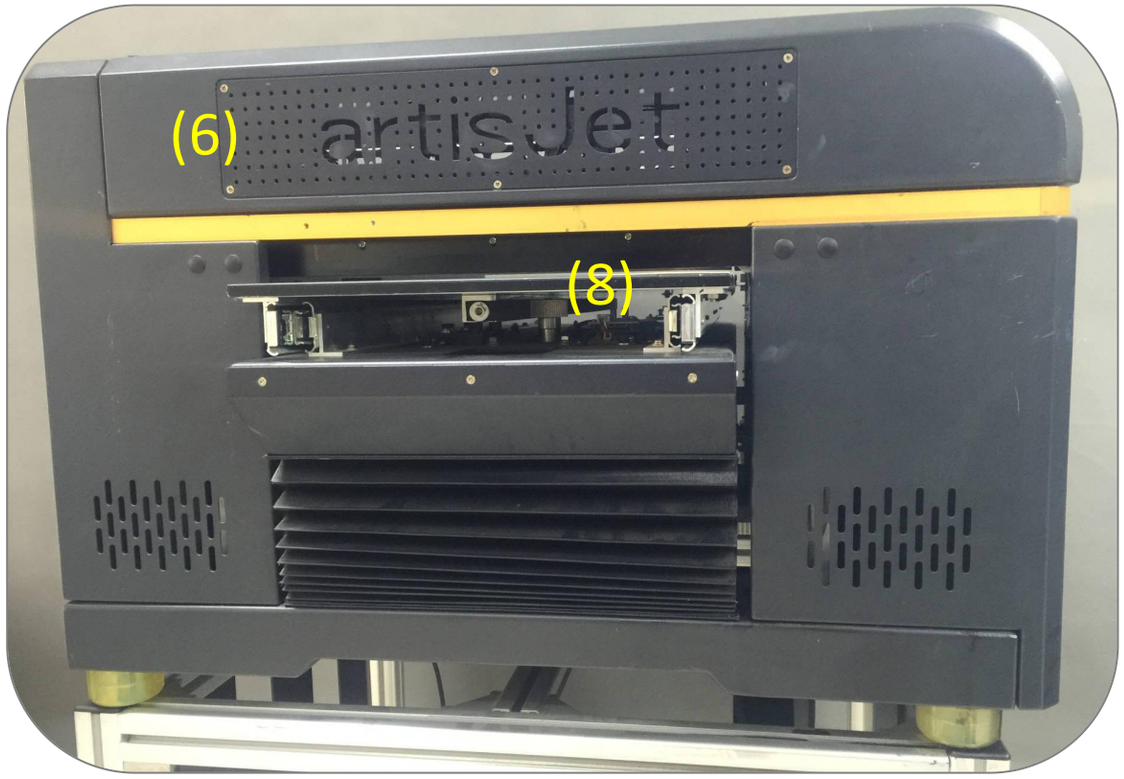
(8) Flatbed

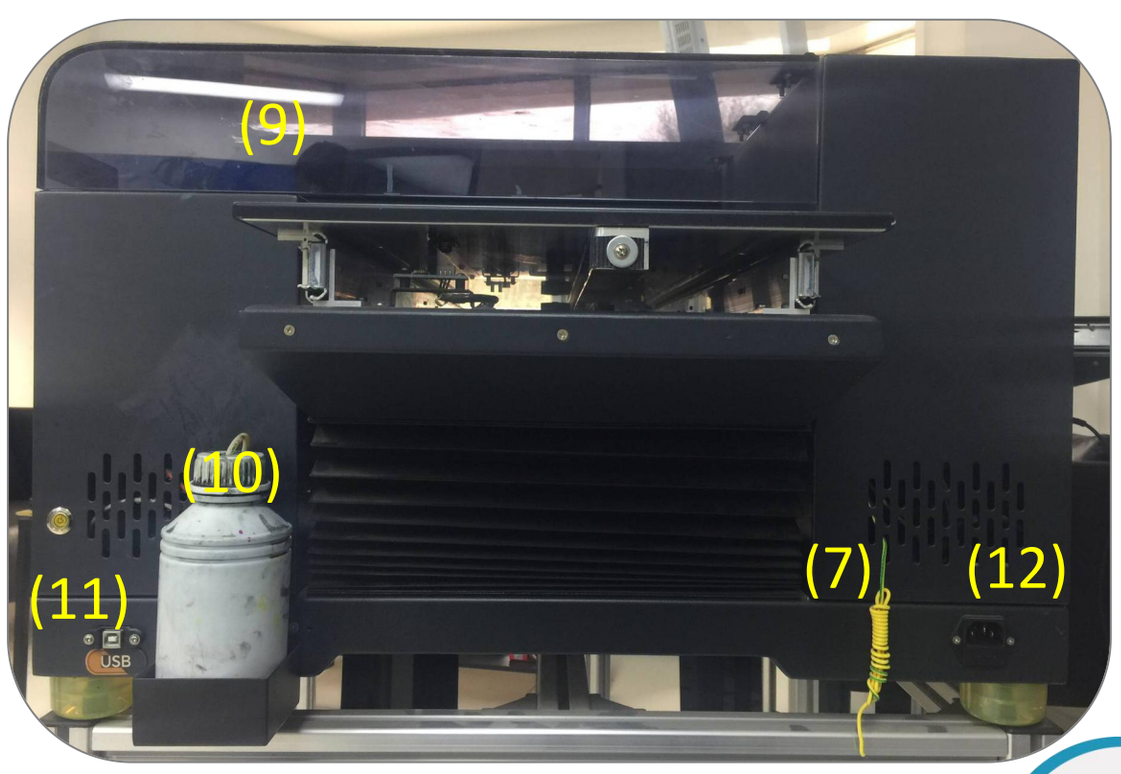
(9) Protect Cover

(10) Waste Ink Bottle

(11) USB Cable Connector

(12) Power Cable Connector





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(13) Main Board

(14) Transfer Board

(15) SCM Board

(16) UV Control Board

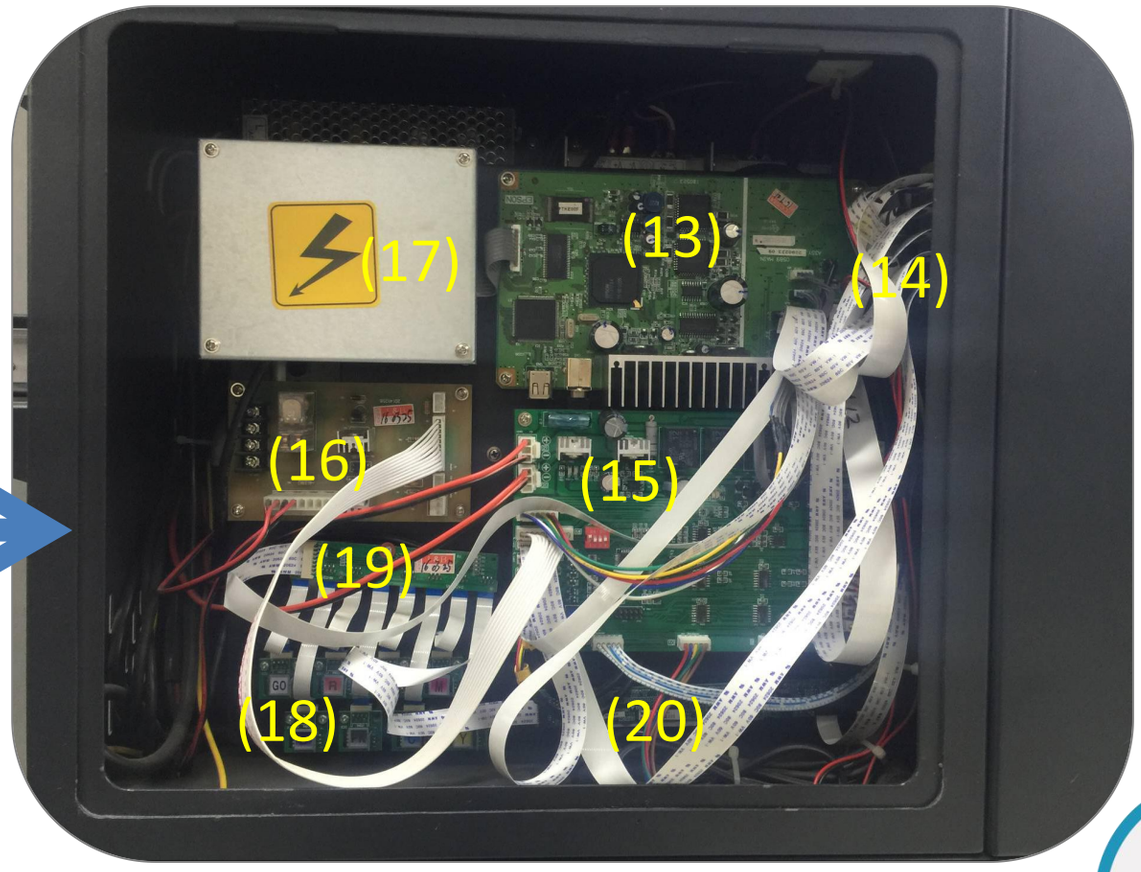
(17) Power Board

(18) Ink Chip

(19) Ink Chip Board

(20) CSIC Board



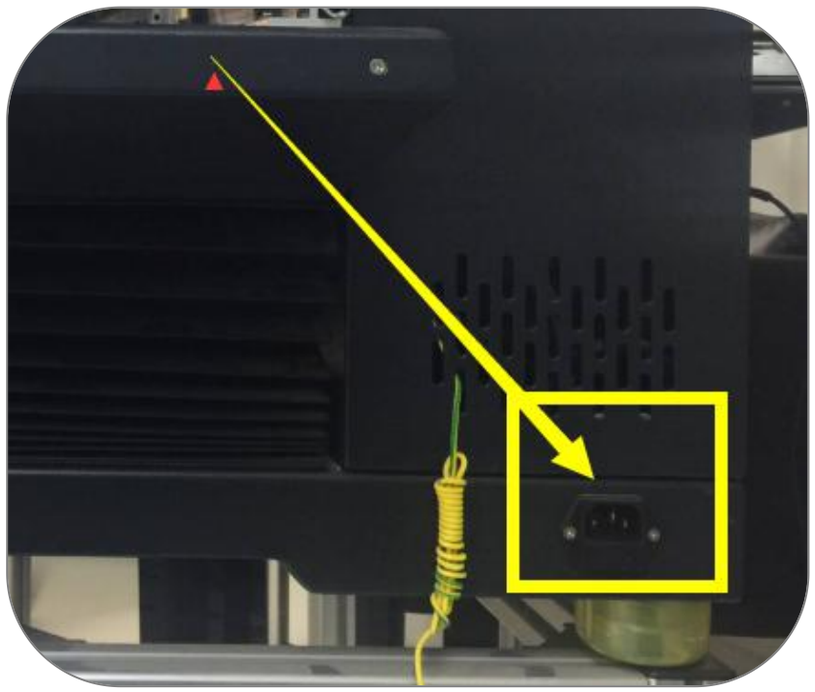


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Power Cable Connection

Connect the power cable to printer. Then press **General Power Button** (small yellow button which locates under the LED Screen of the machine) and make sure it's showing artisJet Logo.







Flatbed Movement Test

Test movement of the flatbed (by pressing the FORWARD, BACKWORD, UP and DOWN buttons) , make sure the flatbed can move smoothly.

UP Button

FORWARD Button



BACKWARD Button

DOWN Button

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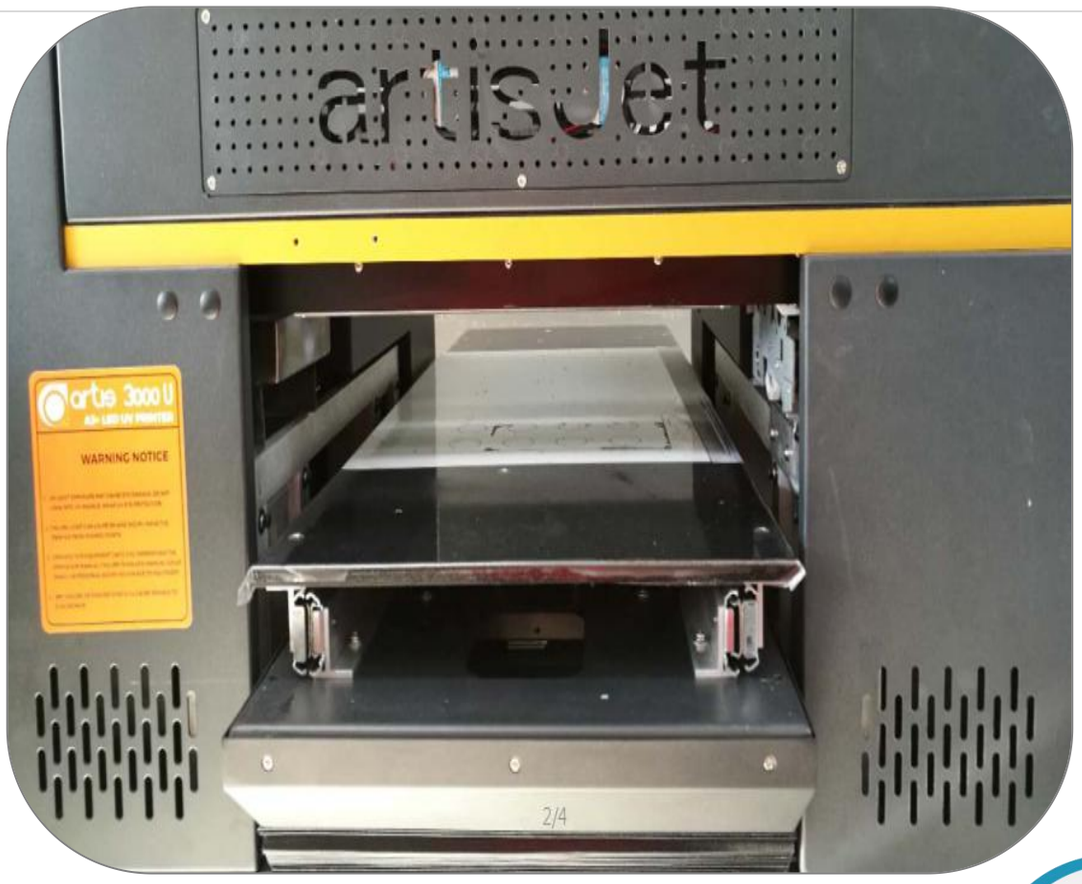
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Mechanical System Test

(1)flatbed come out completely



(2) flatbed moves down completely



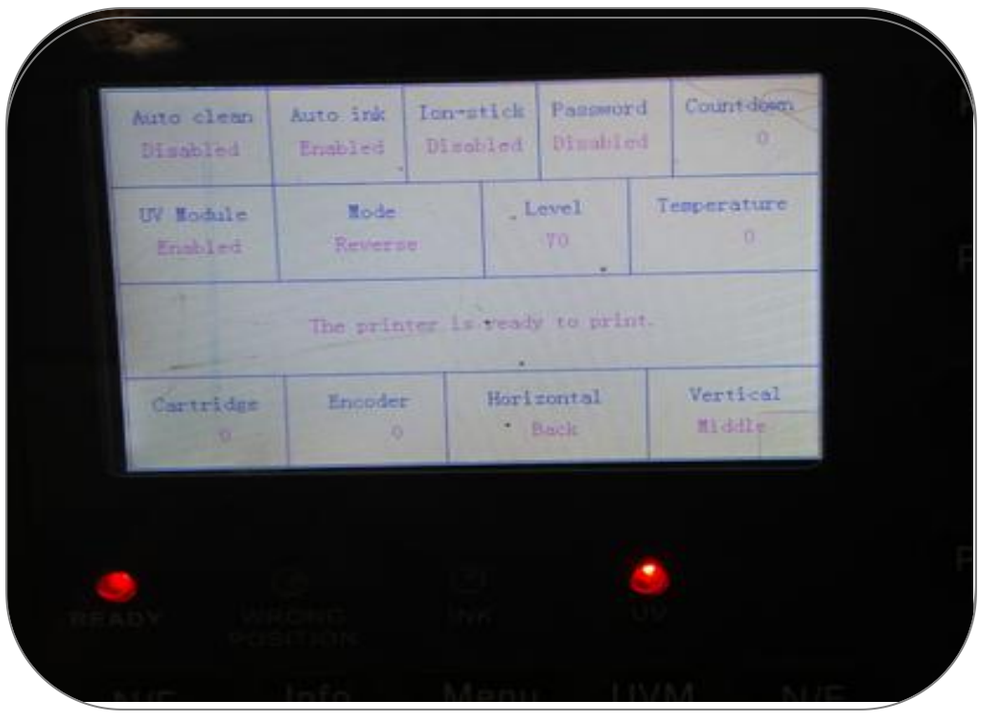
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READY Mode by press Ready button

Press READY button on control panel of the machine. After connecting process, READY indicator shall be solid on. Press ENTER and make the flatbed it's at home position.





Tips: Press Info button to show screen information.

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Printer Driver Installation

Connect the USB cable with the machine and computer.



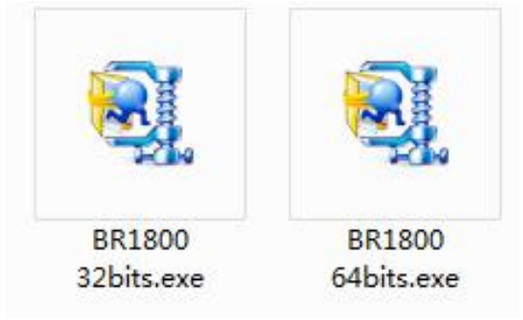
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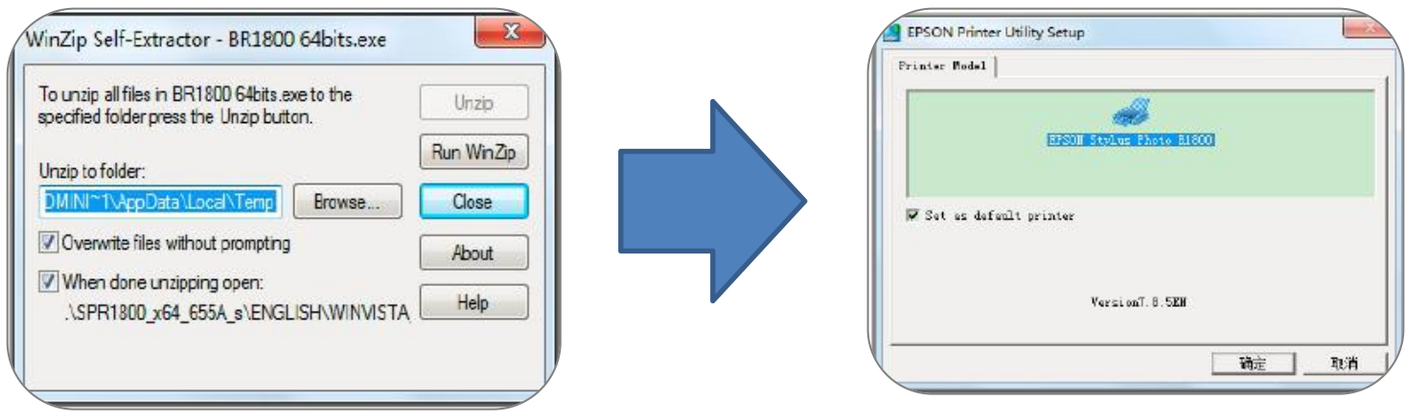
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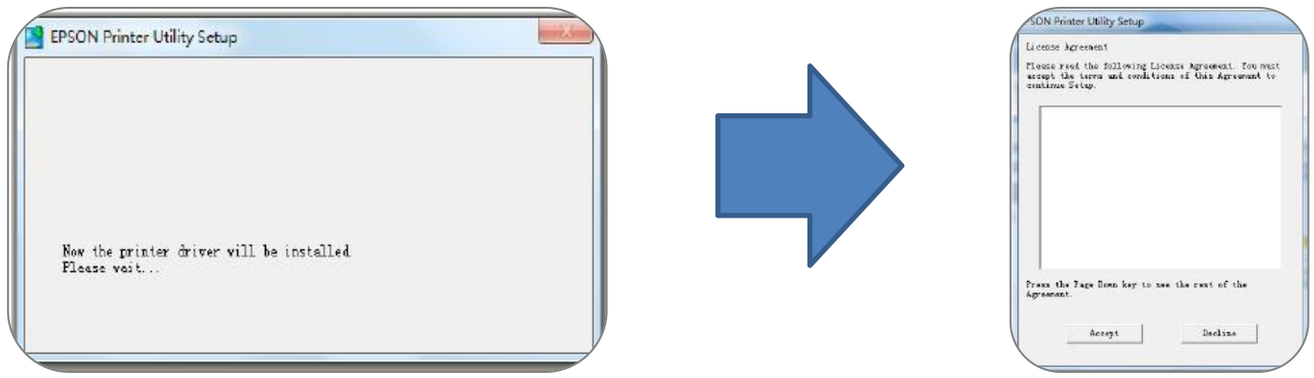
Driver installation

There are 32bits.exe and 64 bits.exe of printer driver in folder artiJet U1800 printer.

Install it according to your computer operating system step by step. (right click Computer icon-->System type)





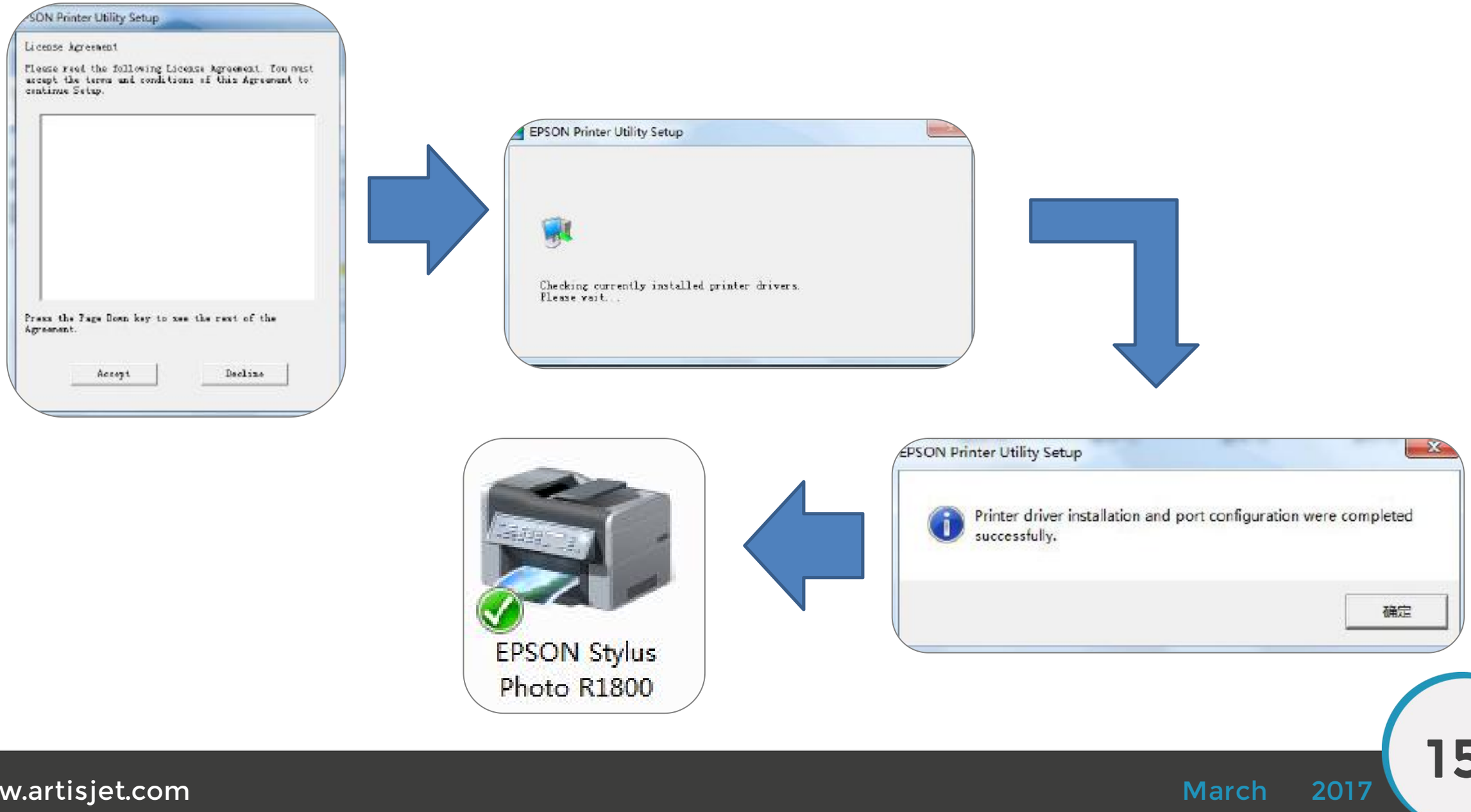


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artis 3000U Set Up and Installation | Driver and Software

Printer Driver Installation



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RIP V8.2.6 Software Installation

Find out the artisJet RIP Software installation file in the DVD disc. Insert the White dongle into the USB port and install the RIP Software step by step.











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Purpose of Test Printing before Filling Inks

--- To make sure UV Cooling System working properly before fill Inks.

--- To make sure the Protective Liquid (keeping the print head moisture during delivery time but might clog print head when mixed with inks) being removed from Printer Head before fill inks.

--- To make sure UV Lamp can lighting properly during printing process before fill Inks.

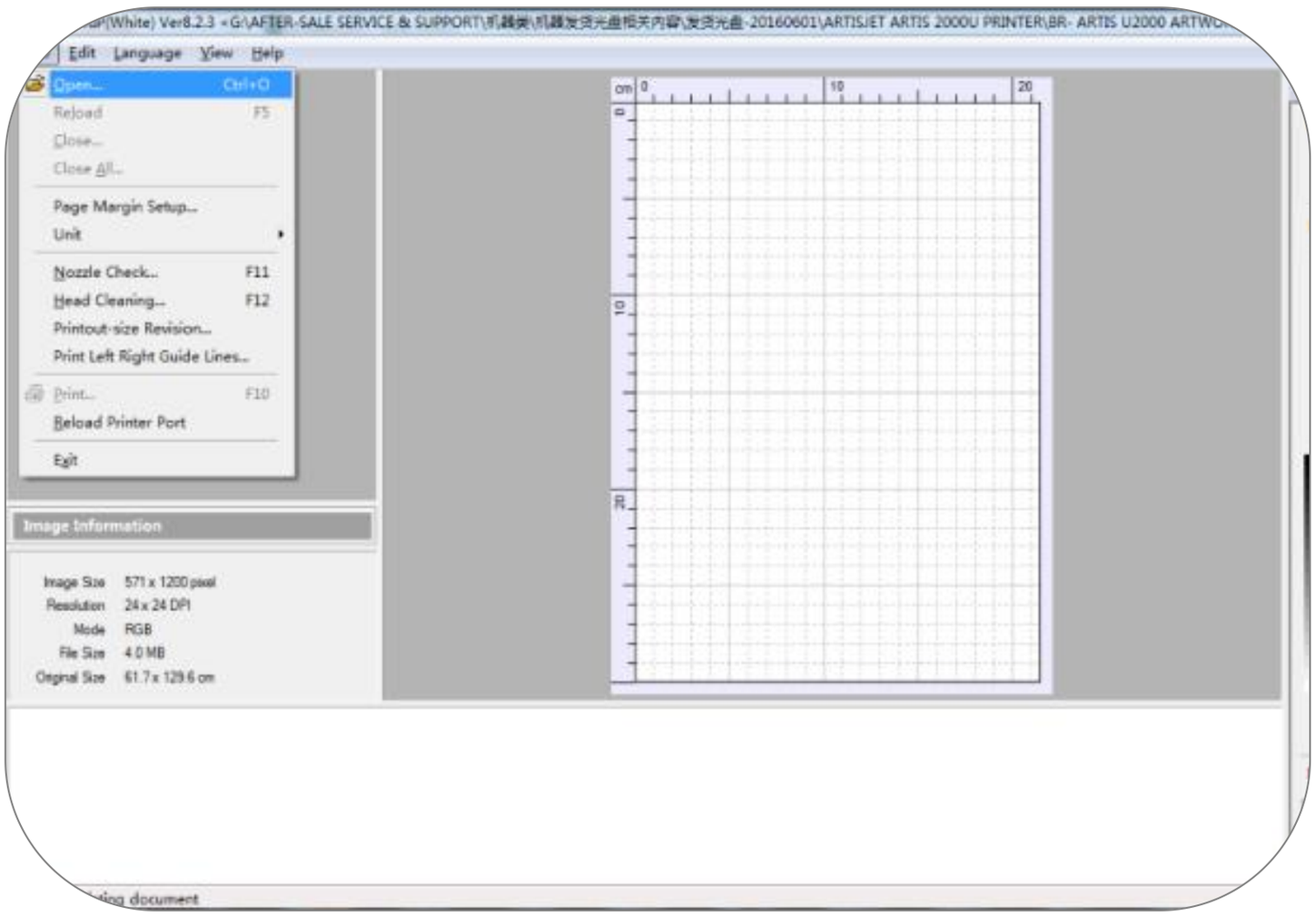
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artis 3000U Set Up and Installation | **Import Image**

Open RIP V8.2.6 Software and import image

Open RIP Software. Click File -->Open. Import an image from DVD Disc Artwork folder.



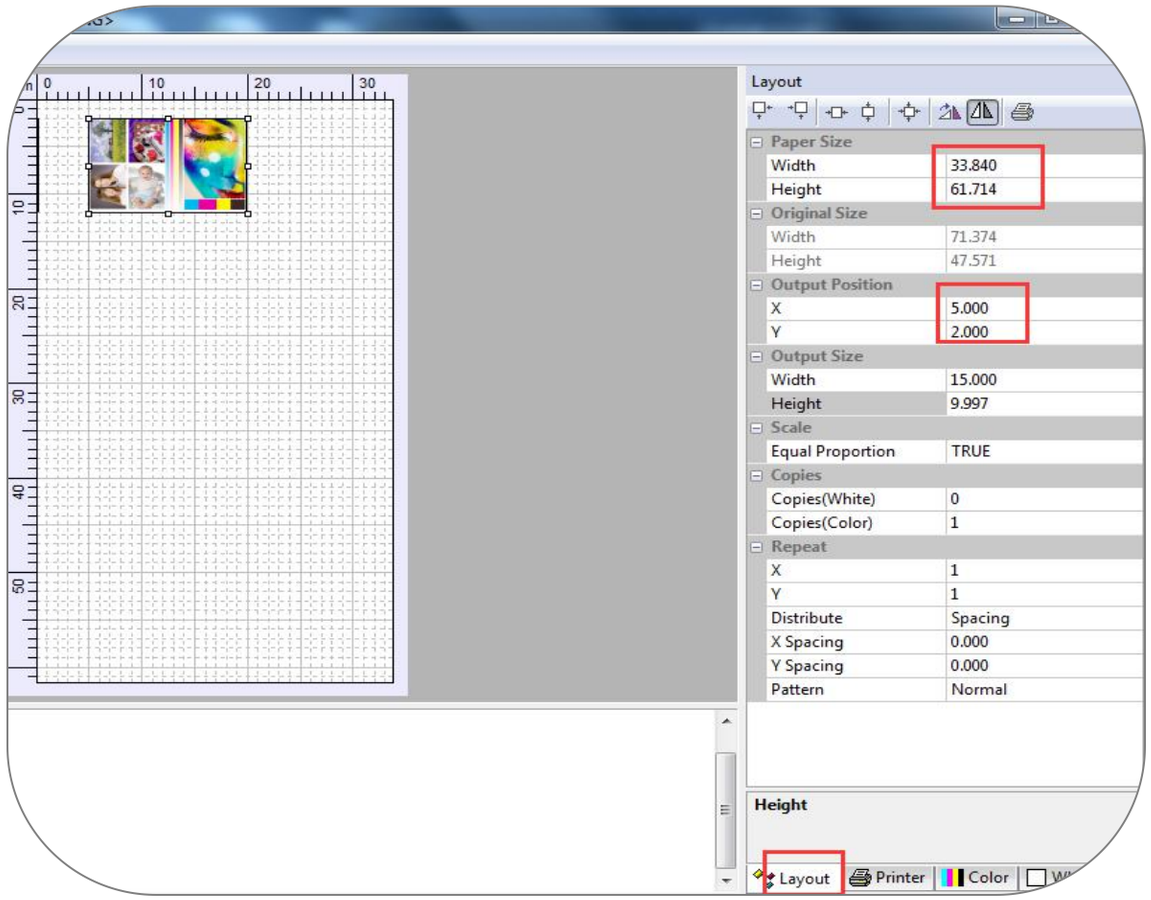
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Layout Tab settings

The Paper Size is same to flatbed size.(width: 33cm height: 61cm)

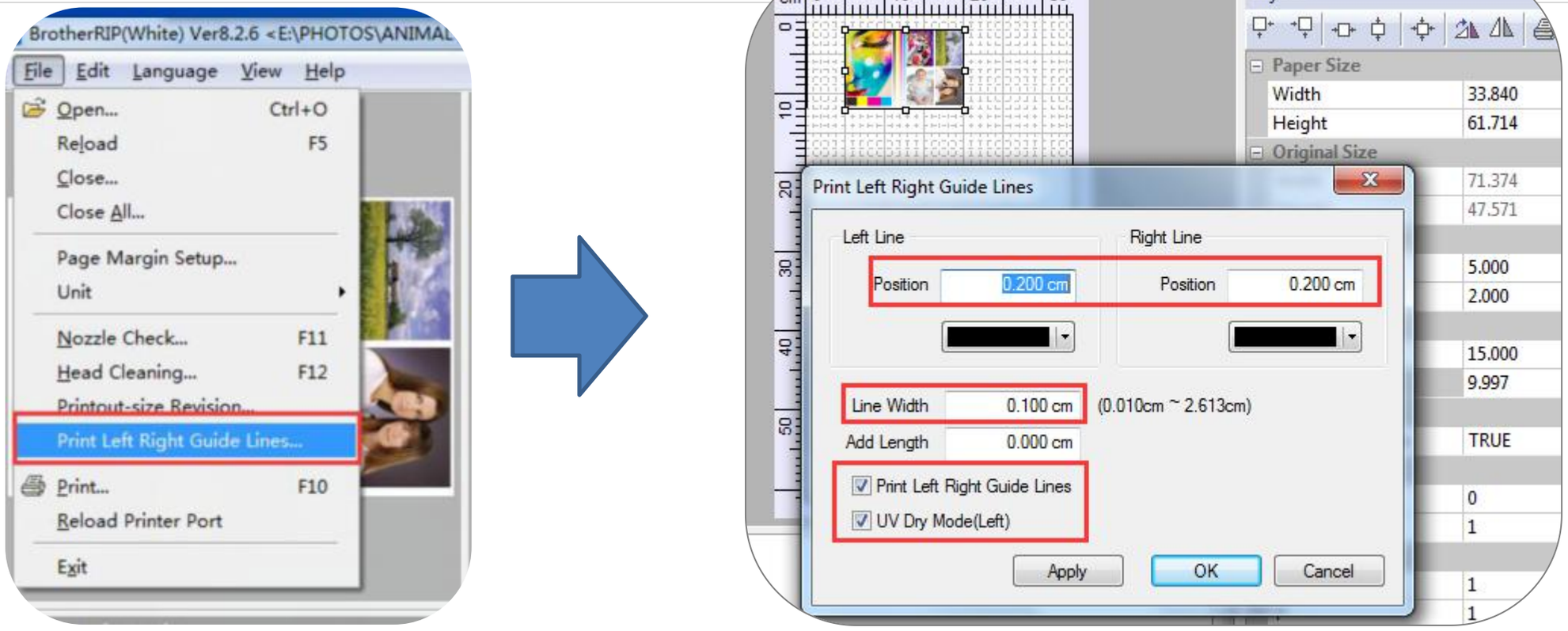
Output size: X=5cm Y=2cm. Notice if start potion is X=0 Y=0, the printing result can not dry completely.



Import UV guidelines

File-->**Print Left Right Guide Lines** . Make the settings as photo shows.

If without the UV Guide Lines, part of the printed image shall not covered by UV Lamp and can not dried properly.



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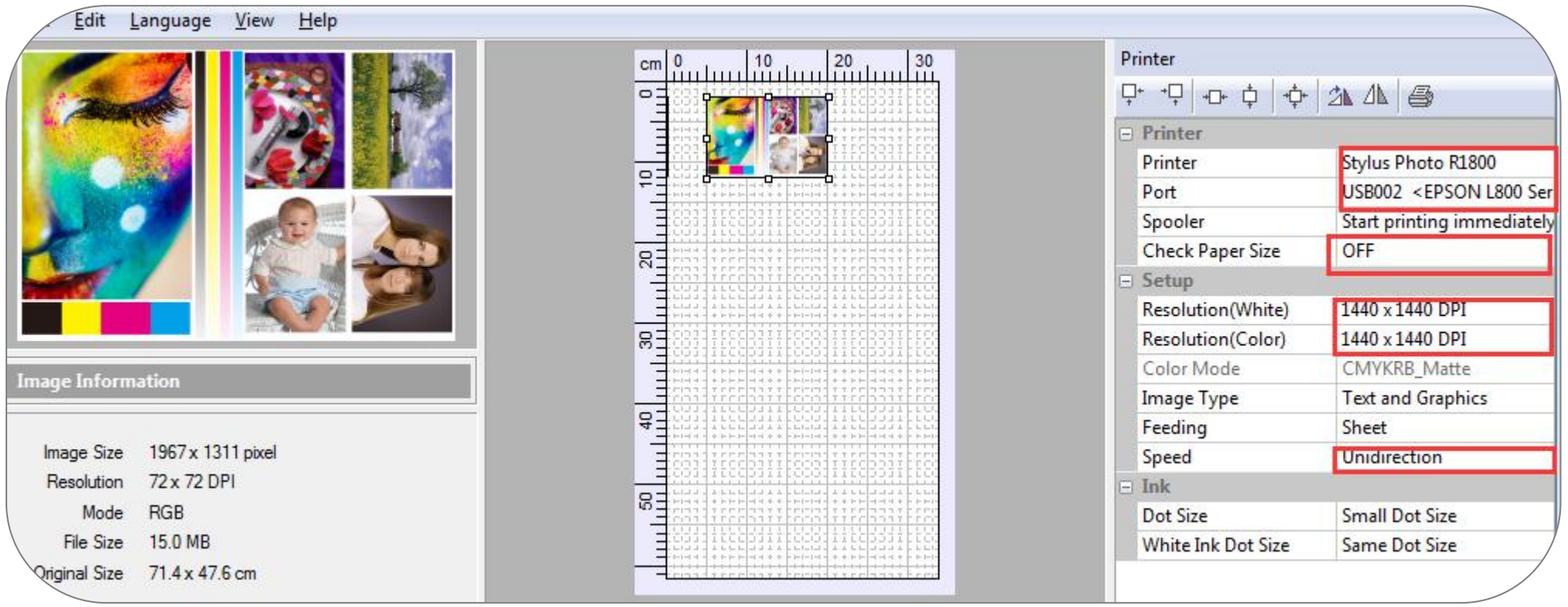
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Printer Tab settings

Printer: Stylus Photo R1800 **Port:** USB00x with EPSON Stylus Photo R1800

Check Paper size: OFF **Resolution:** 1440X1440 DPI

Speed: Unidirection



EPSON Stylus Photo R1800

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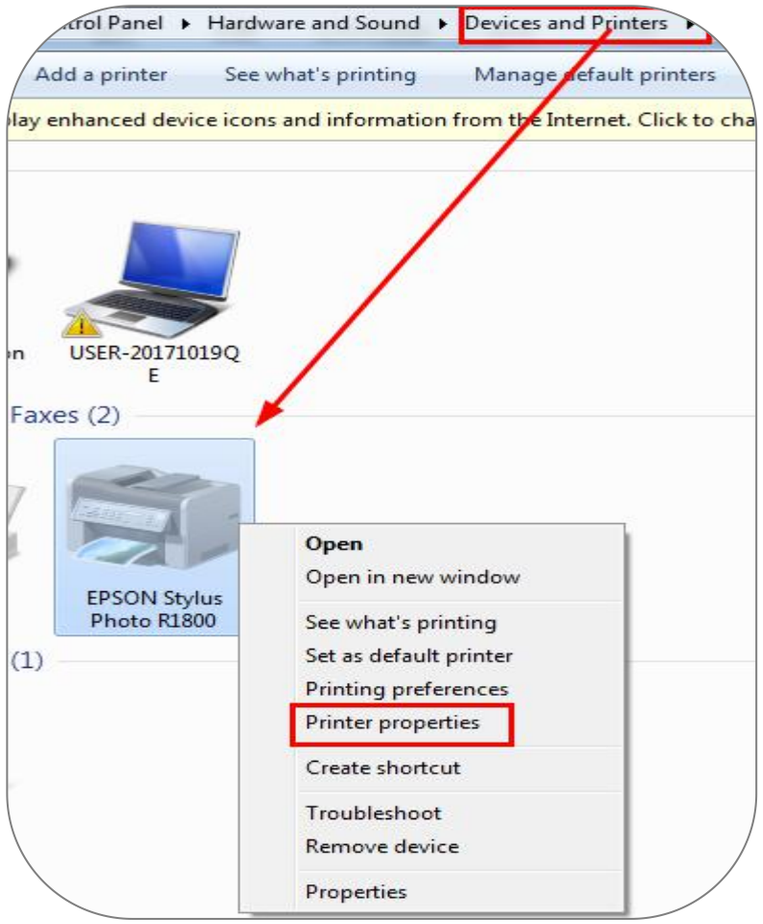
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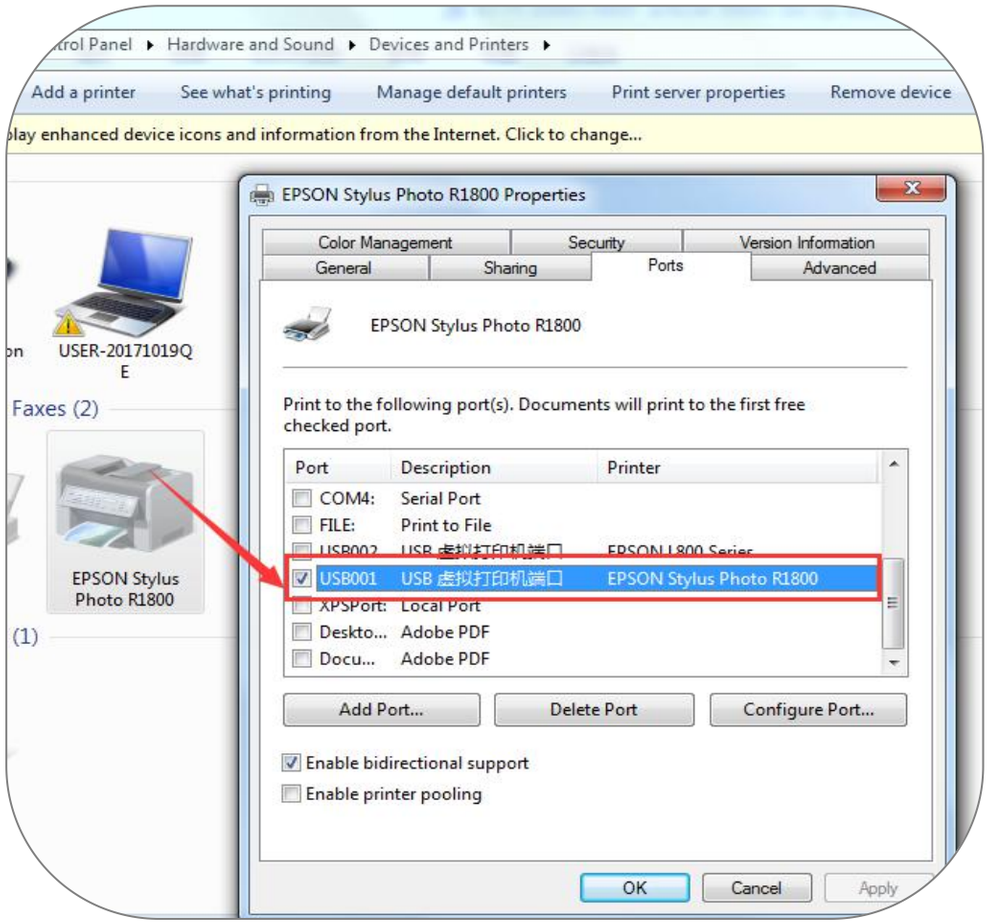
artis 3000U Set Up and Installation | Printer port checking

Printer port checking from printer driver.

Control Panel-->Devices& Printers-->Right click Epson Stylus Photo R1800-->Printer

Properties-->Ports-->USB00X Epson Stylus Photo R1800





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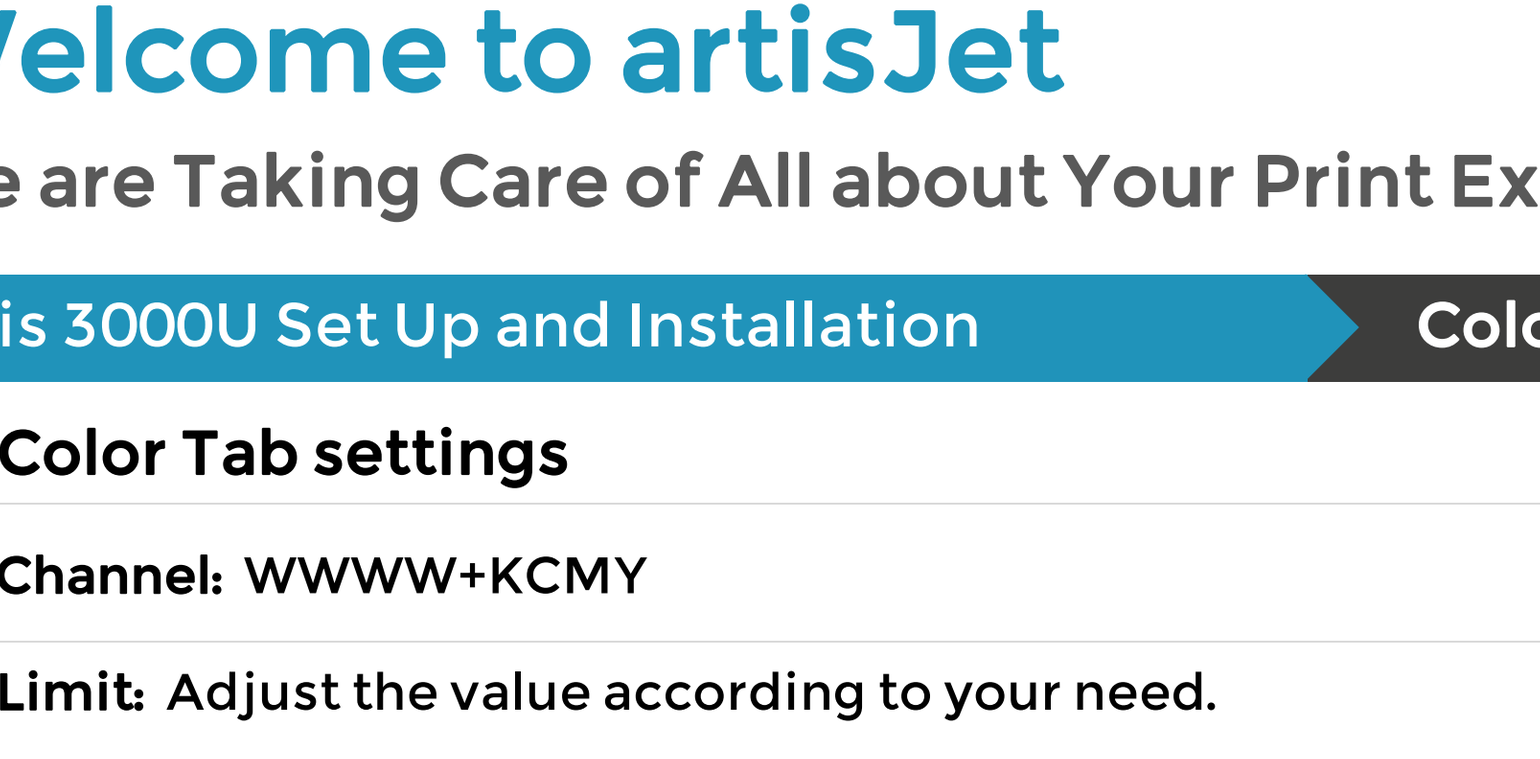
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Color Tab settings

Ink Channel: WWWW+KCMY

Ink Limit: Adjust the value according to your need.

Please don't adjust Brightness and Contrast options. They are default settings, if changed, printing result would not same with original photo.



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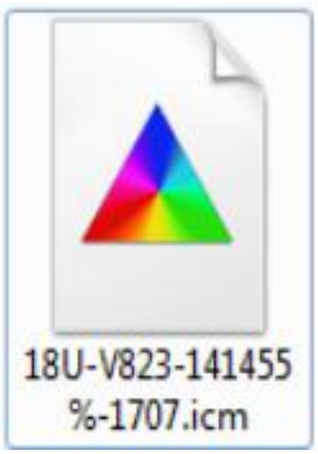
Inset ICC Profile

There are different ICC profiles for different printing result.

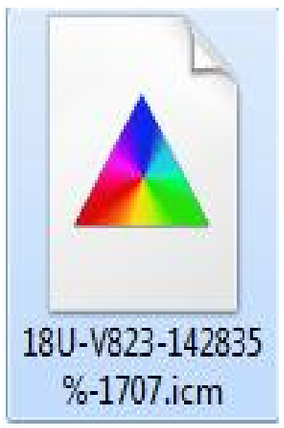
Normally we choose ICC profile 18U-V823-141455%-1707.icm for 1440X1440 dpi.

- - - goes to DVD Disc --> artis 3000U RIP Software ICC Profile --> copy the files named

18U-V823-141455%-1707.icm;18U-V823-147260%-1707.icm;18U-V823-142835%-1707.icm;



1440X440 dpi
Ink limit: 55%



1440X2880 dpi
Ink limit: 35%



1440X720 dpi
Ink limit: 60%

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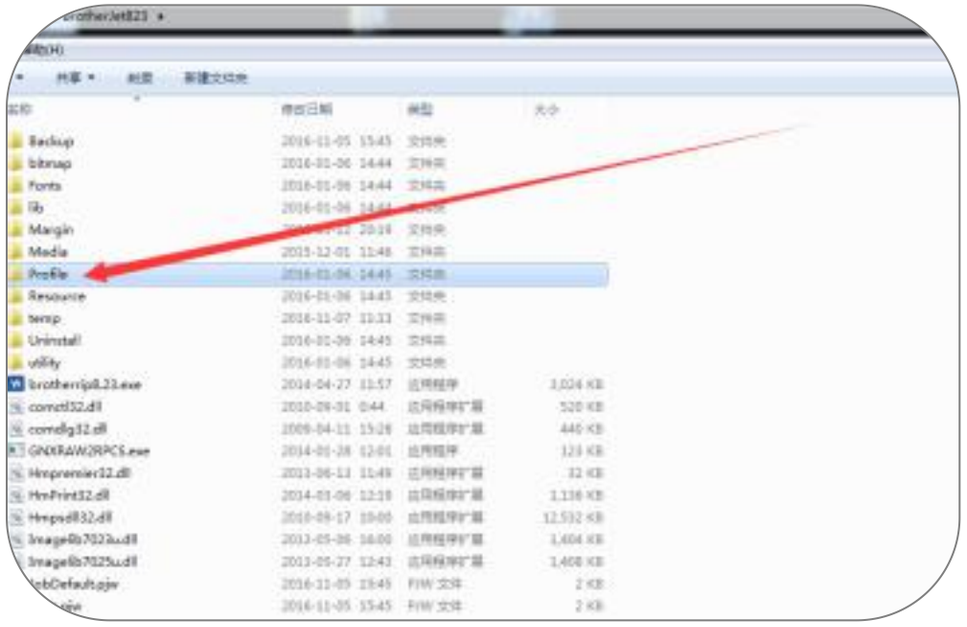
artis 3000U Set Up and Installation | **How to insert ICC profile**

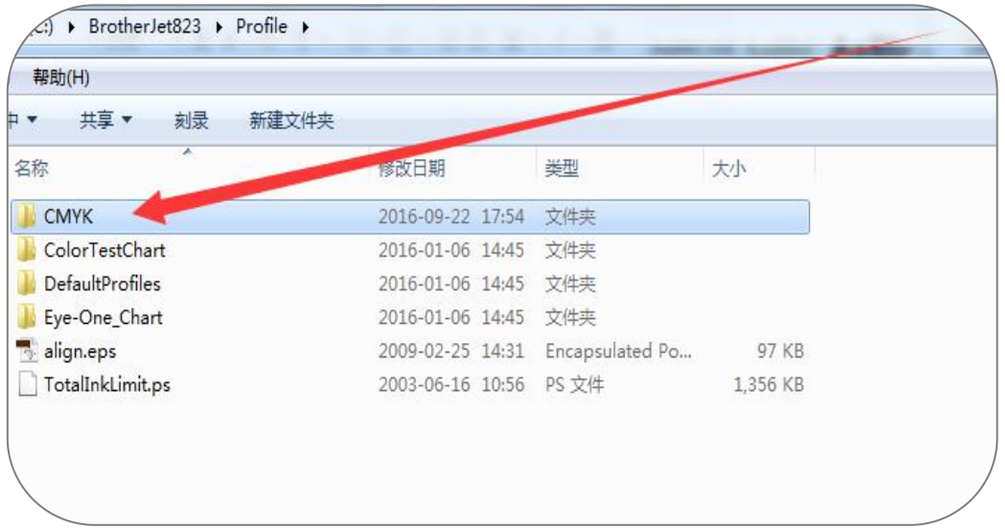
Copy ICC profile to CMYK folder.

- - - goes to desktop ---> right click the RIP software icon (W) --> Open the file location ---

> Profile ---> CMYK ---> paste the files







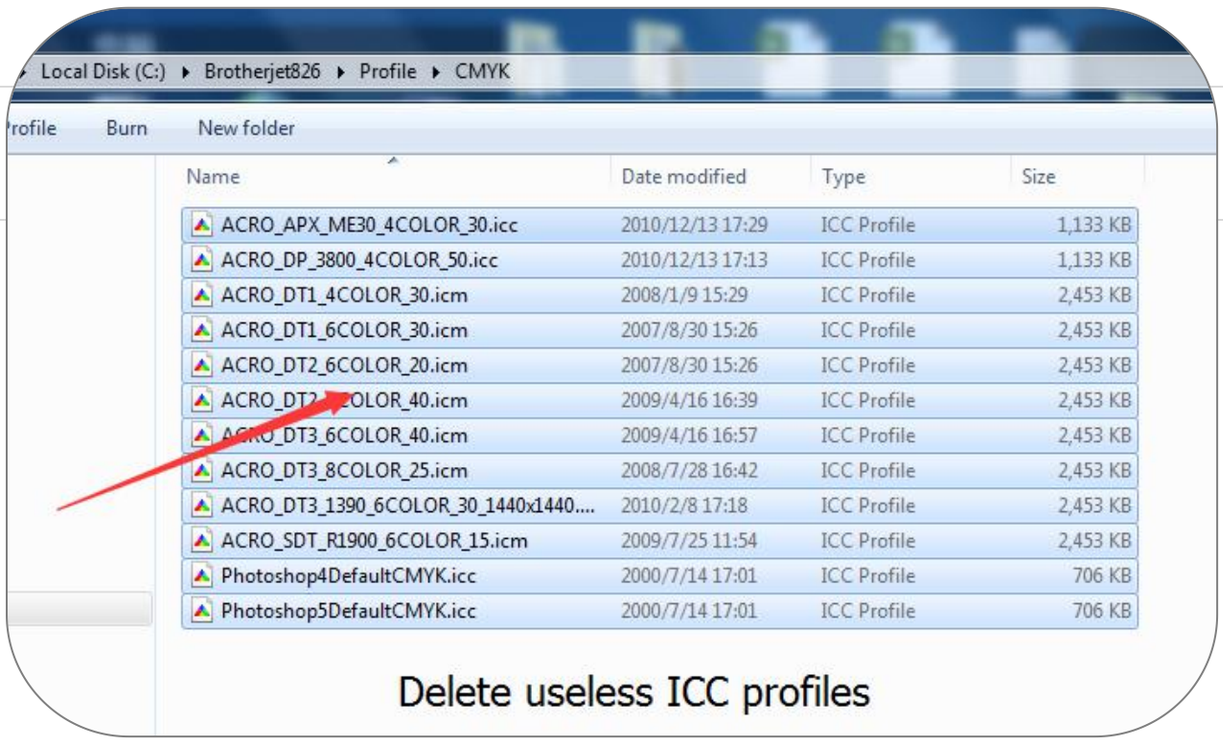
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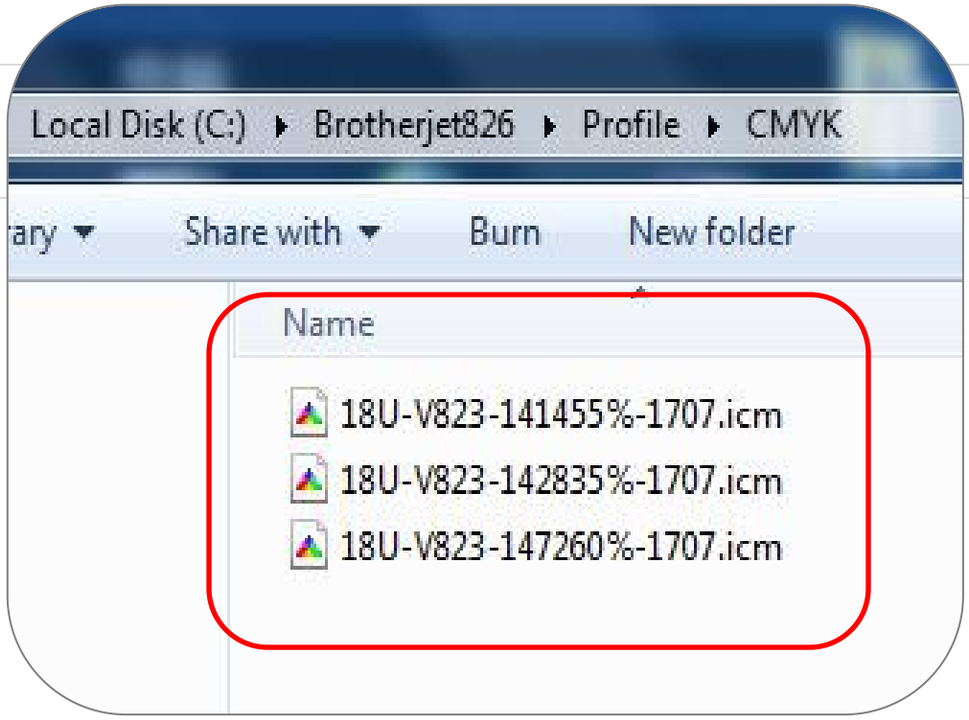
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How to insert ICC profile

Delete the useless ICC profiles firstly. Next paste ICC profiles to CMYK folder.



Delete useless ICC profiles



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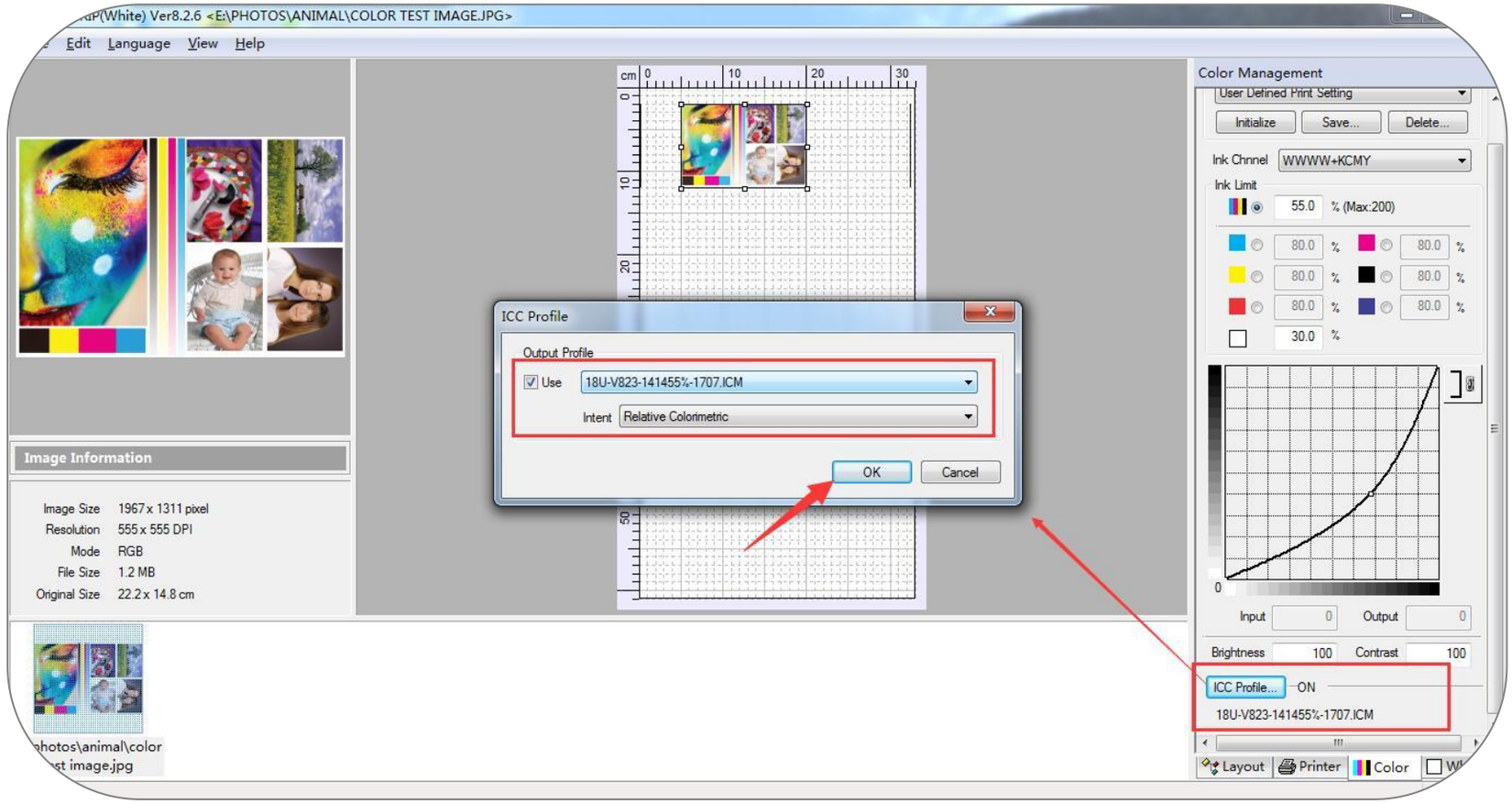
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artis 3000U Set Up and Installation | **How to insert ICC profile**

Turn on ICC profile from Rip software.

- - - Move back to RIP software --> Color tab, click the ICC Profile button at the bottom.

--- The Intent option is **Relative Colorimetric(the second option).**



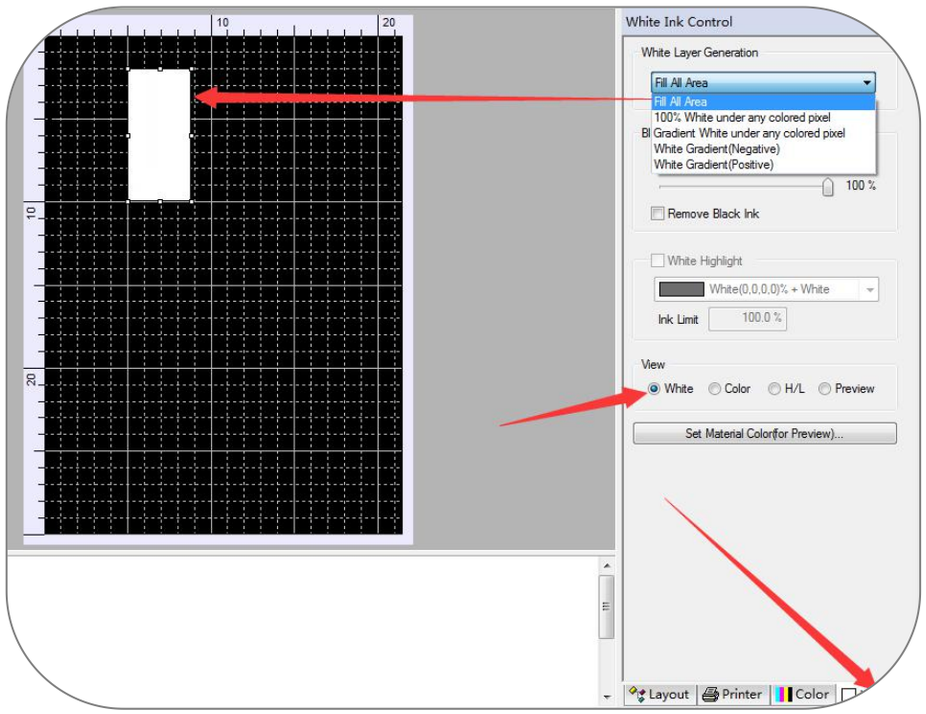
Welcome to artisJet

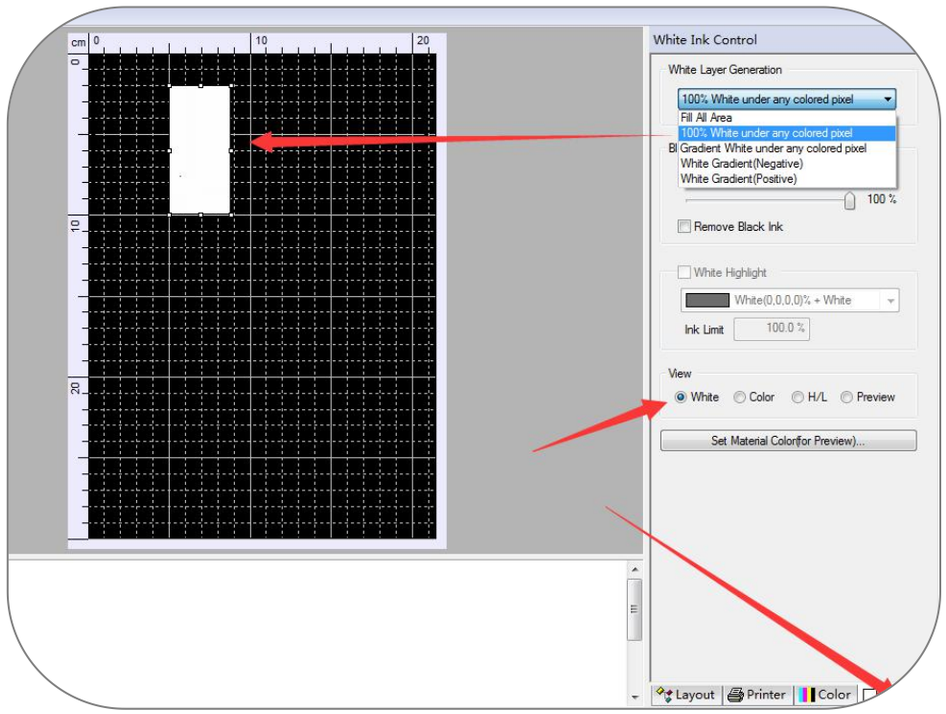
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White Tab settings

Adjust the White tab settings accordingly.

- - - There are five different White Layer Generation options, we can select one of them according to the White Print Result Preview.





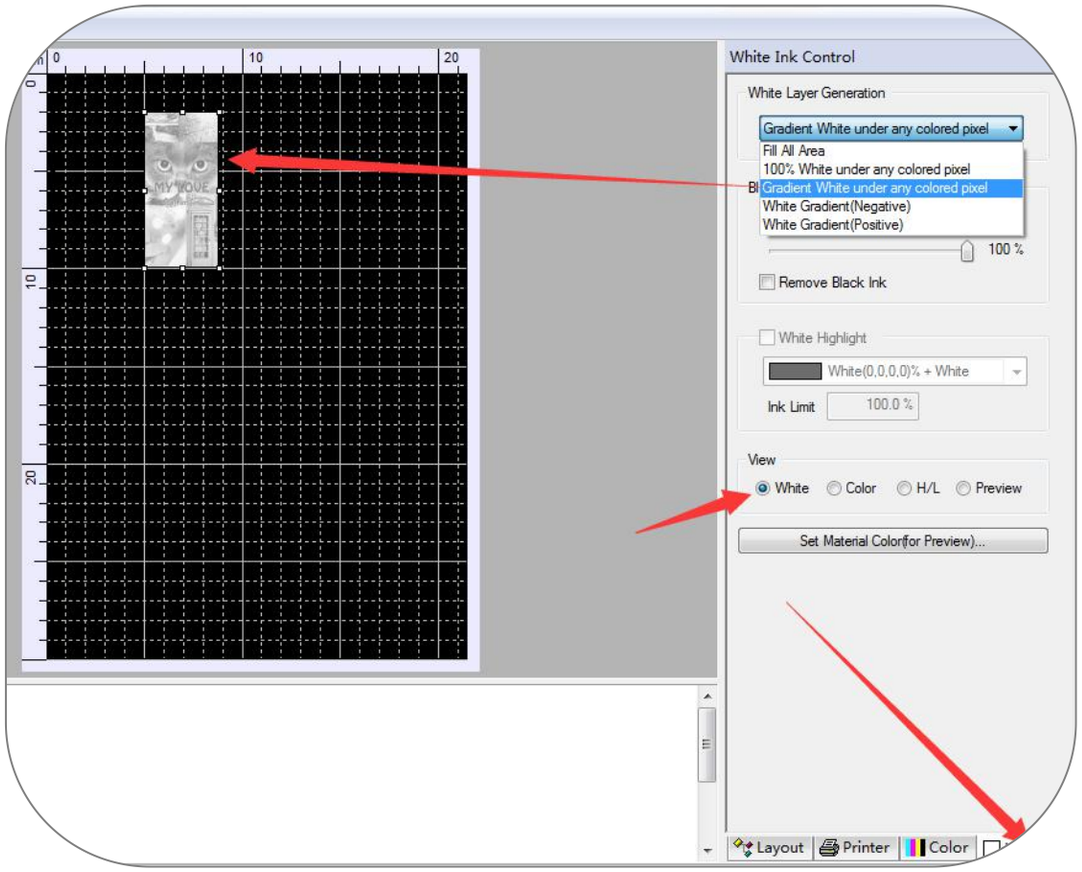
Welcome to artisJet

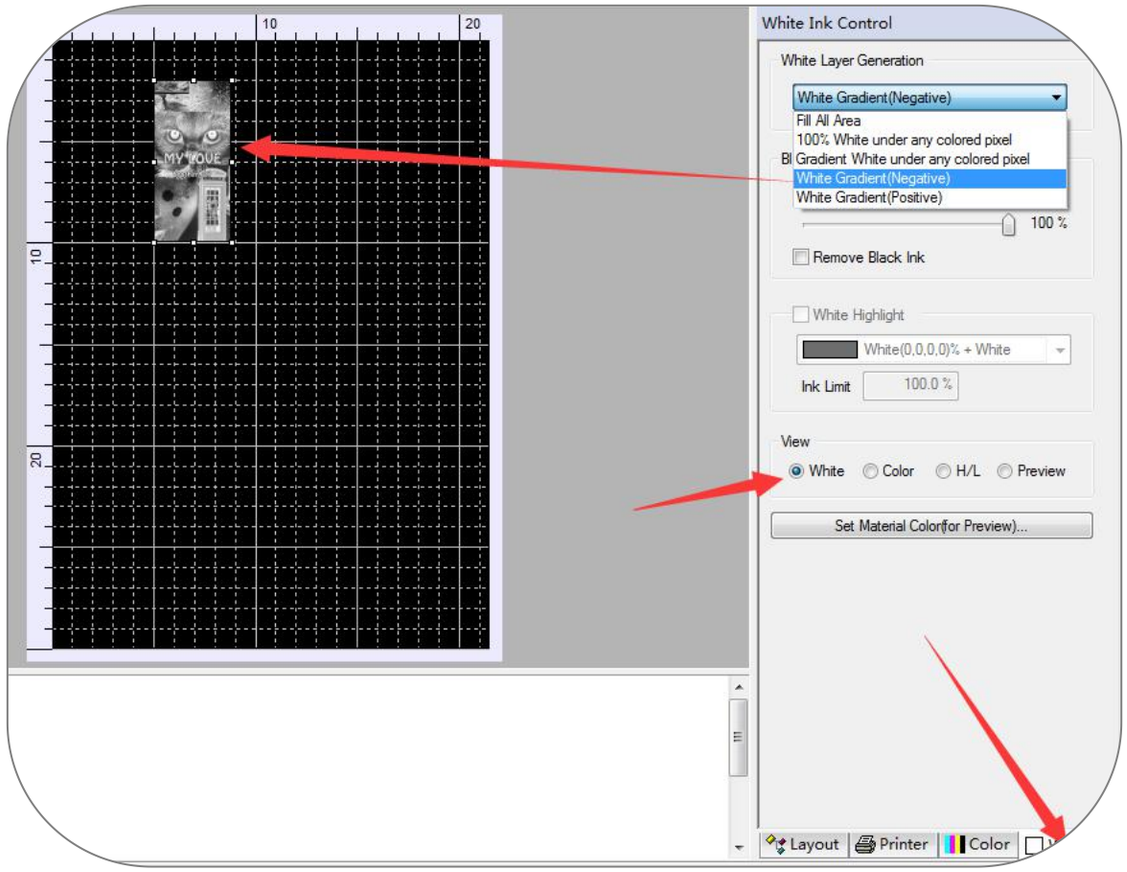
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White Tab settings

Different white modes for white ink print.





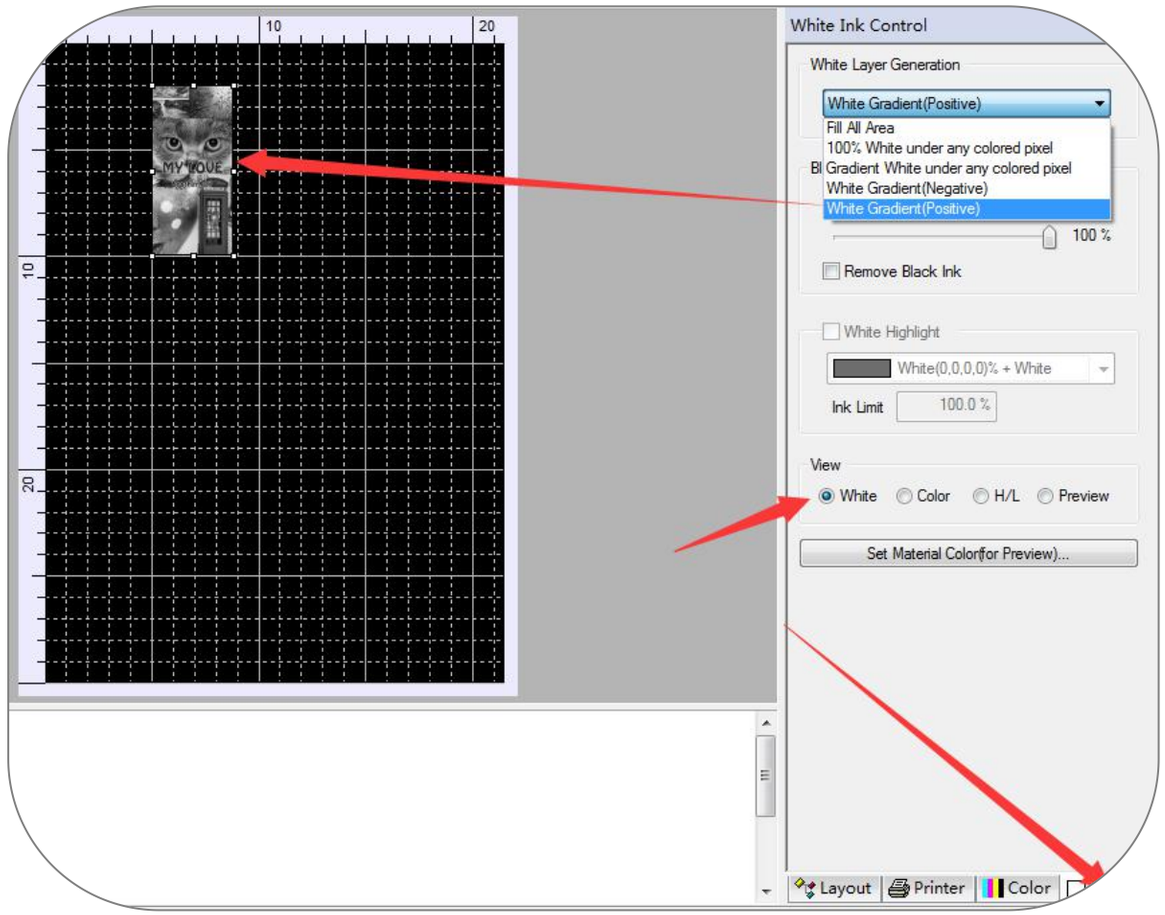
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White Tab settings

Different white modes for white ink print.



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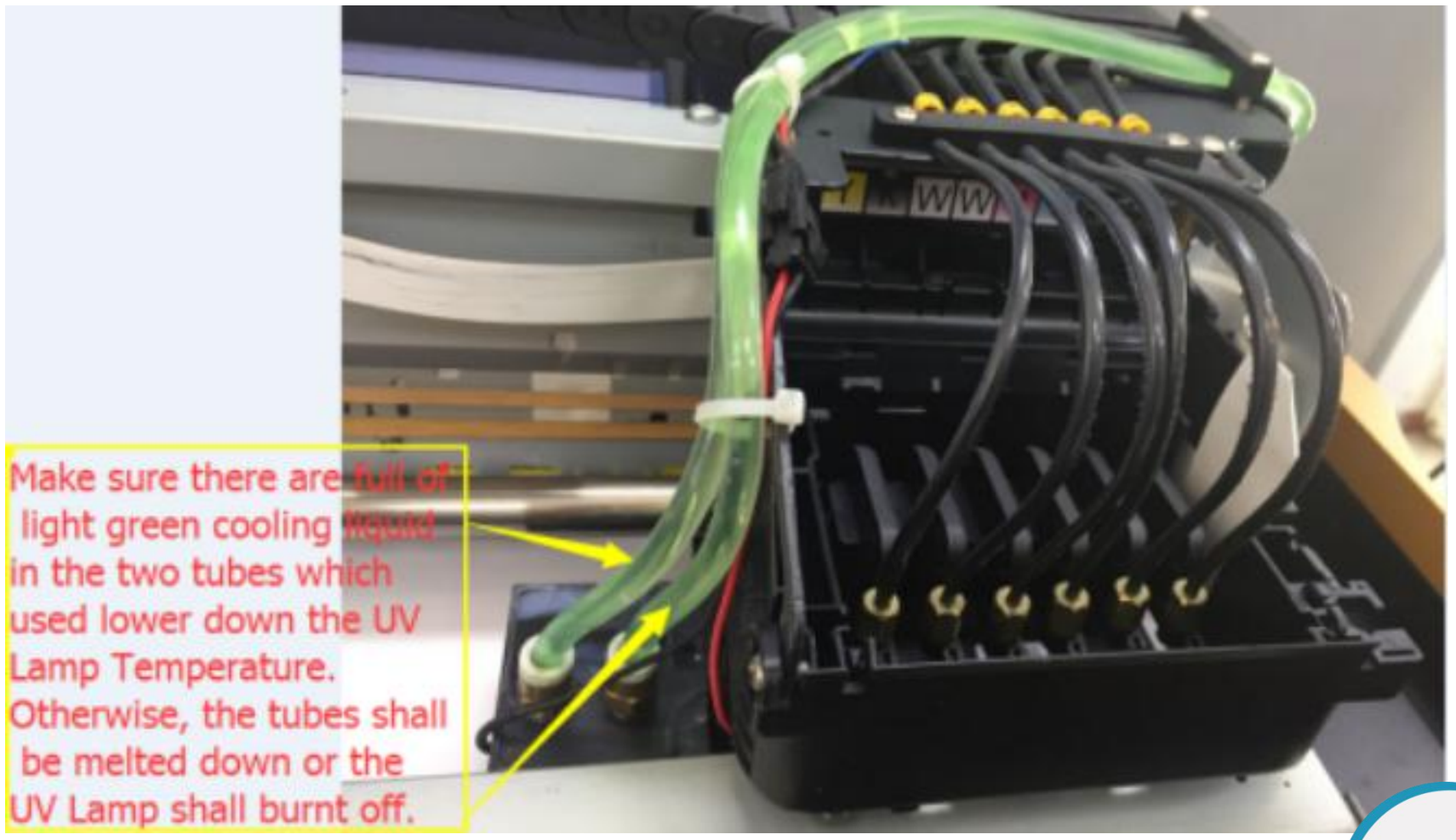
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artis 3000U Set Up and Installation | Test Print before Fill Inks

Press UVM button to turn on UV Cooling System

Before test printing, we need to check UV cooling system can work properly.





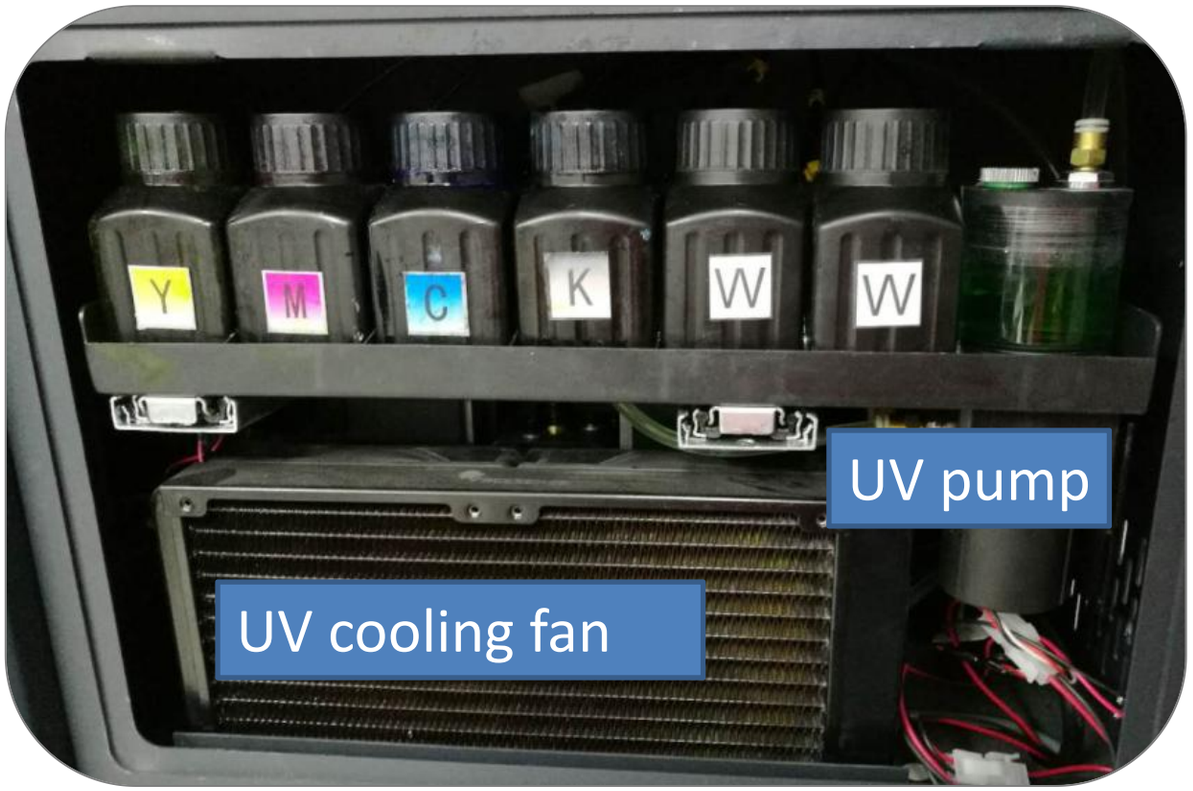
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Check UV cooling fan and UV pump.

1. Put hand in front of UV cooling fan. There should be wind coming out if works

2. There should be tiny shaking during UV pump working and UV cooling liquid should recycle properly.





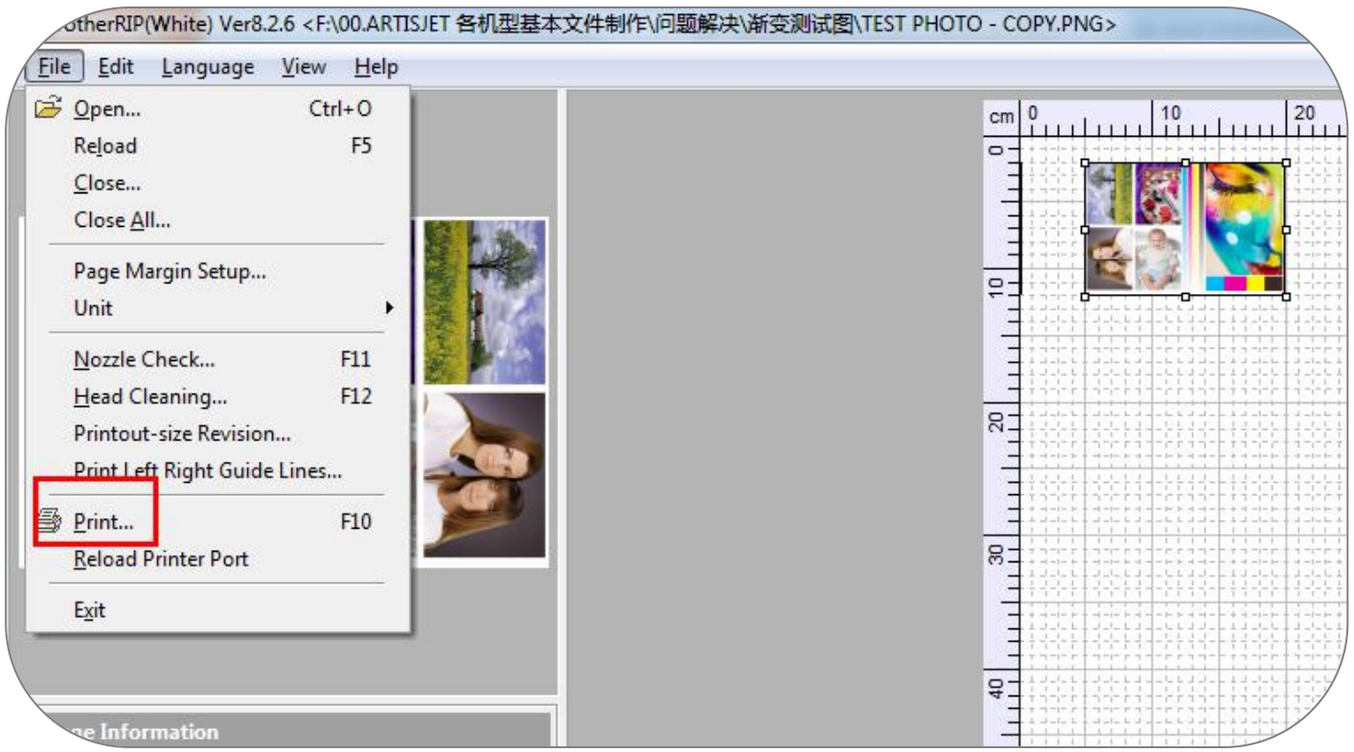
Welcome to artisJet

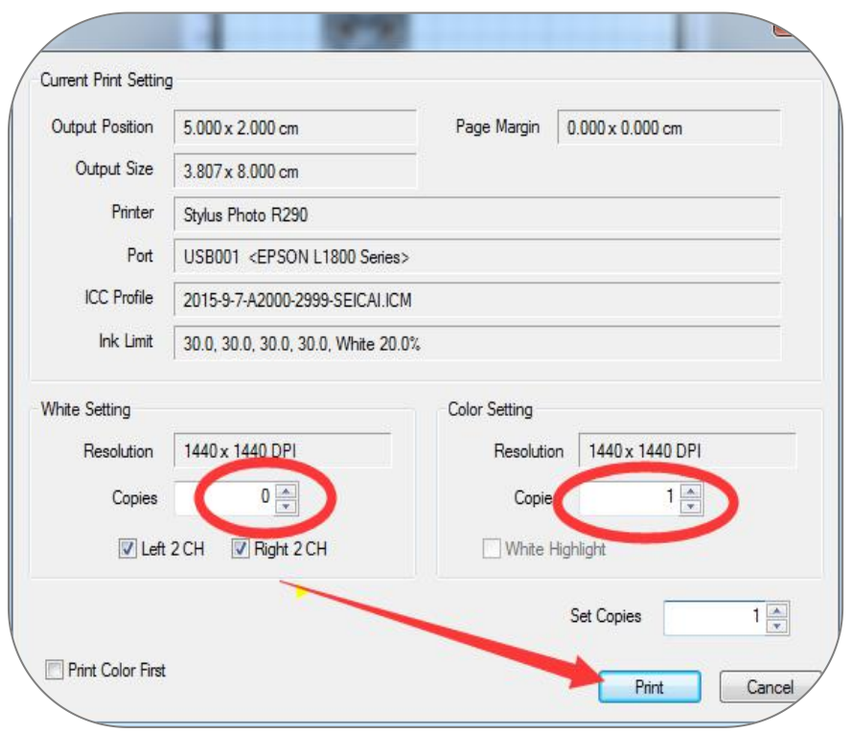
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artis 3000U Set Up and Installation | Test Print before Fill Inks

The First Time for Color Printing Test

- - - Set Copies for **White as 0, Copies for Color as 1**. After printing finished, please press ENTER button to move back the table.





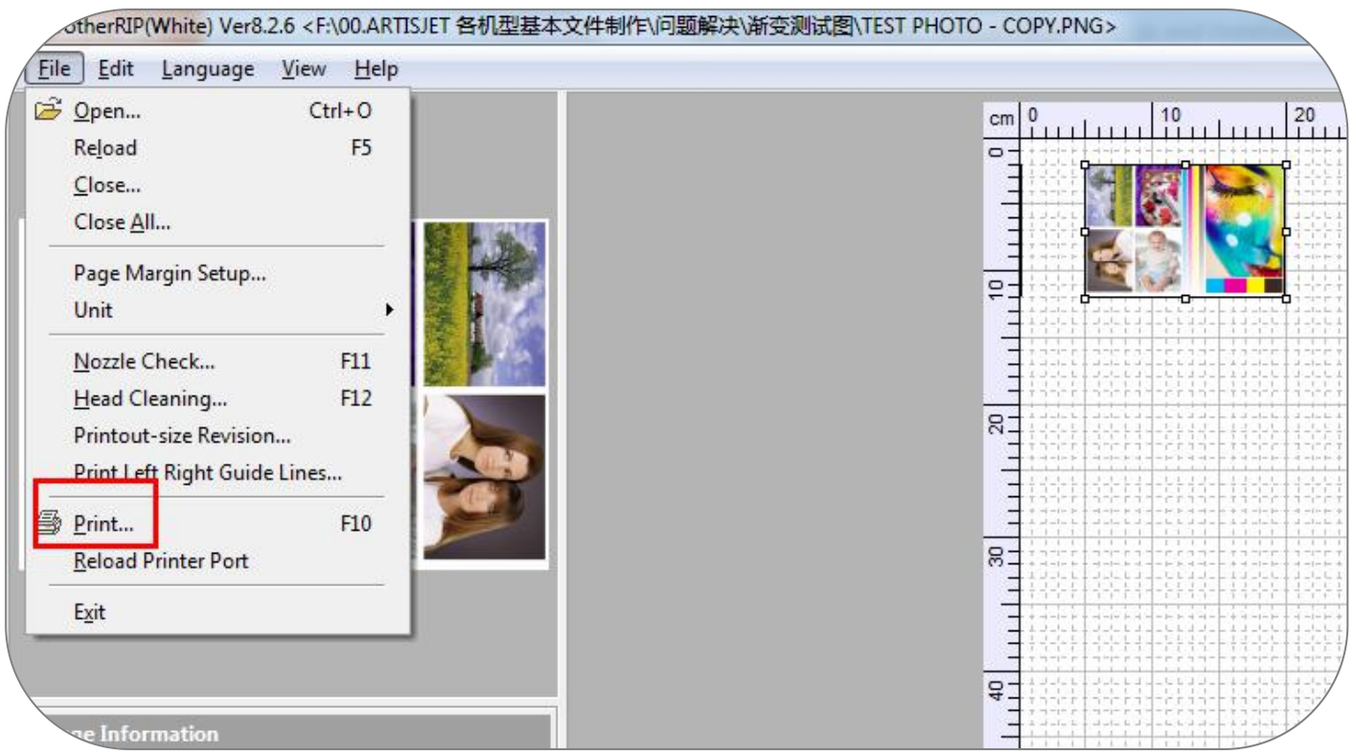
Welcome to artisJet

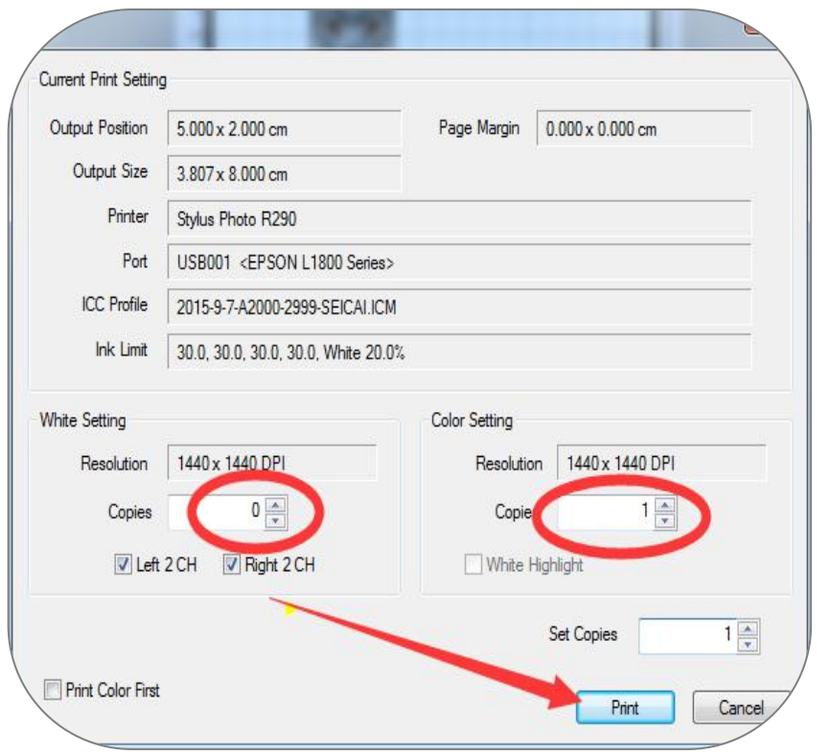
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The Second Time for Color Printing Test

- - - Set Copies **for White as 0, Copies for Color as 1**. After printing finished, please press

ENTER button to move back the table.



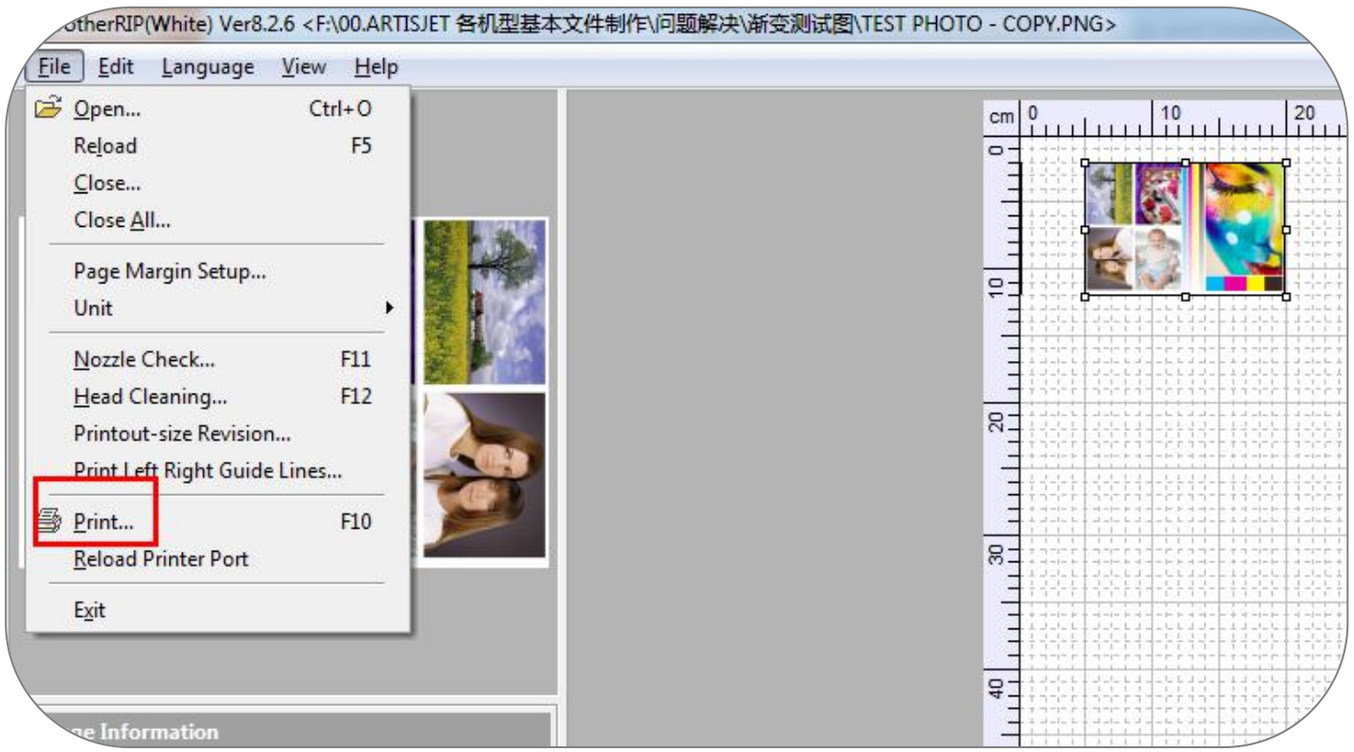


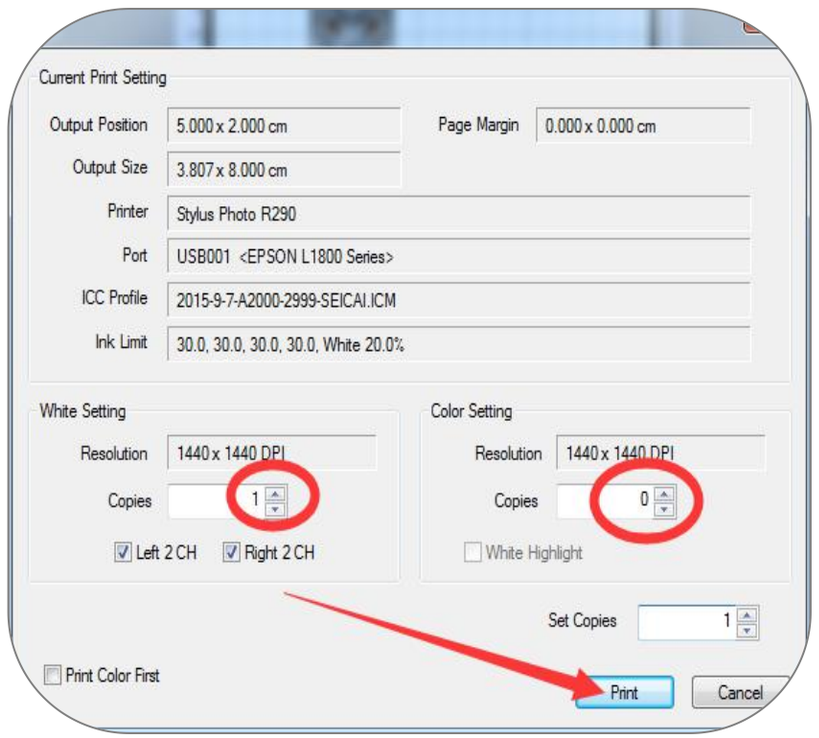
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The First Time for White Printing Test

- - - Set Copies for **White as 1, Copies for Color as 0**. After printing finished, please press ENTER button to move back the table.



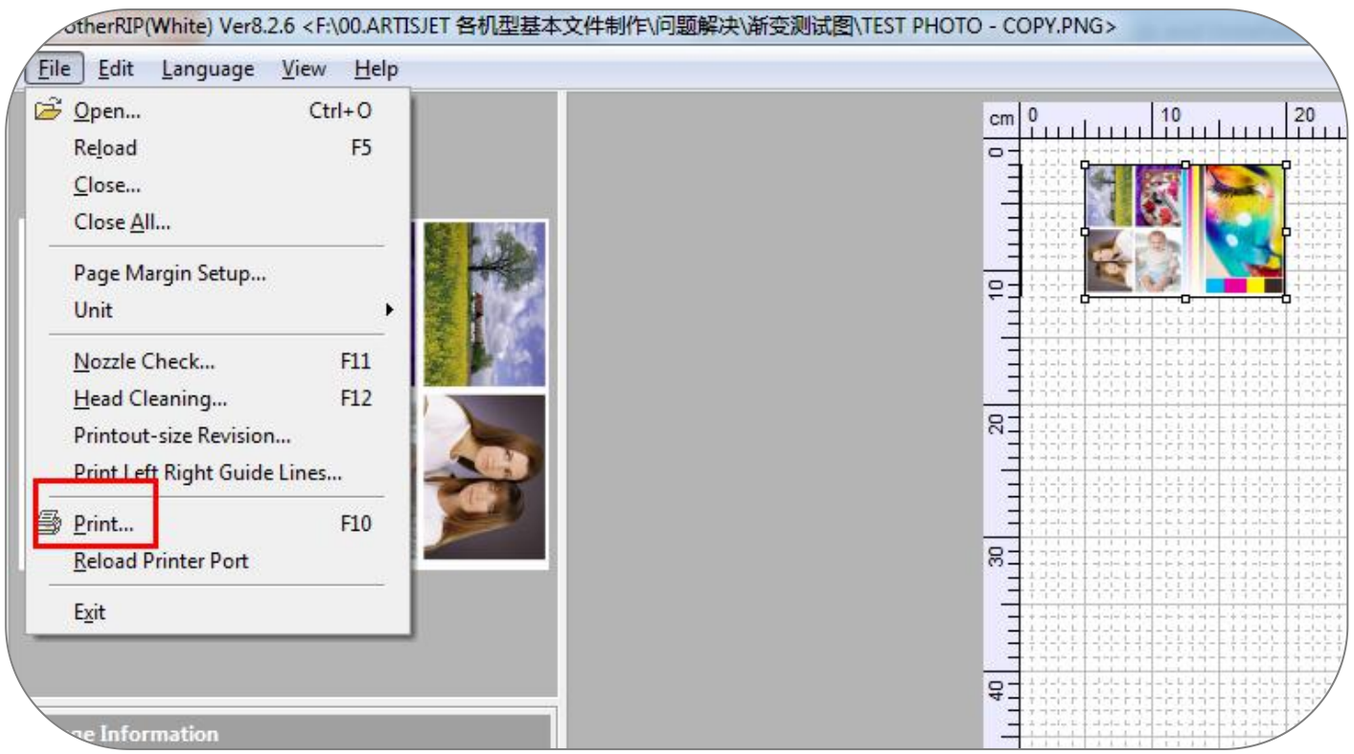


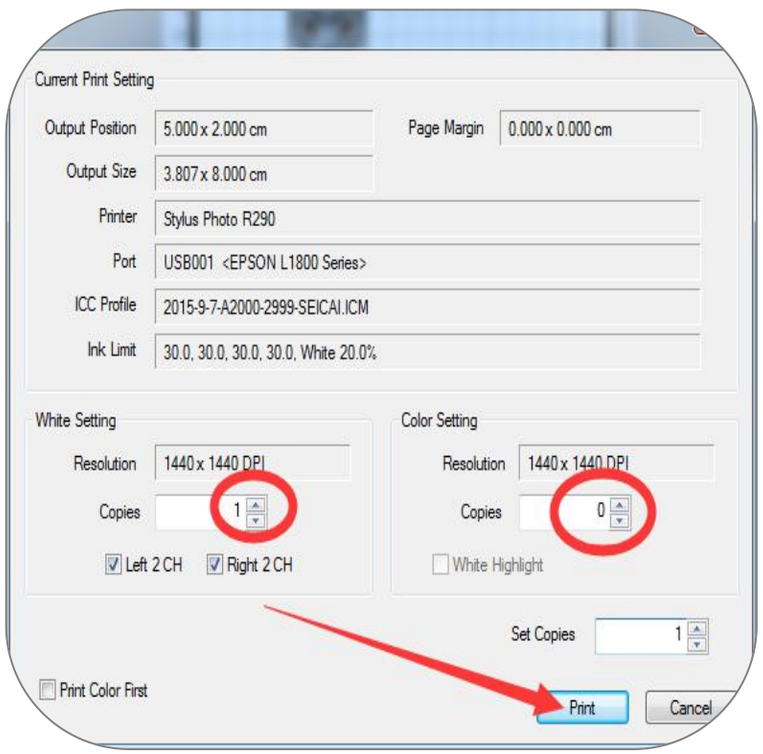
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The Second Time for White Printing Test

- - - Set Copies for **White as 1, Copies for Color as 0.** After printing finished, please press ENTER button to move back the table.





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Ink Filling

Ink tube 1/2/3/4 fill color inks accordingly, ink tubes 5/6/7/8 fill white inks.

Do not fill too much only 3/4 level shall be okay otherwise the inks shall leak from the ink tube connectors on the bottles.



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Ink Following to make sure ink already get through whole ink system.

Suck waste ink tube manually with syringe until dark grey ink come out.

Insert waste ink tube back to waste ink bottle.





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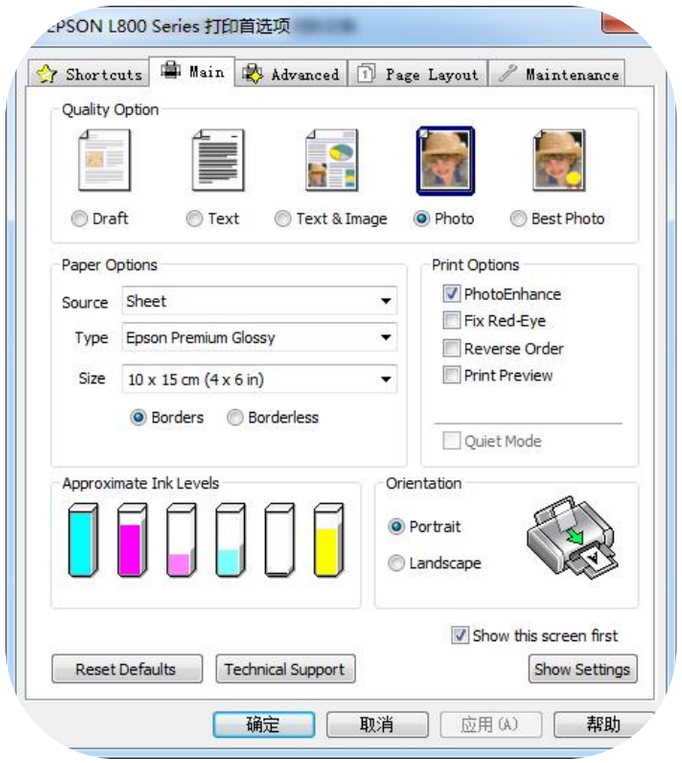
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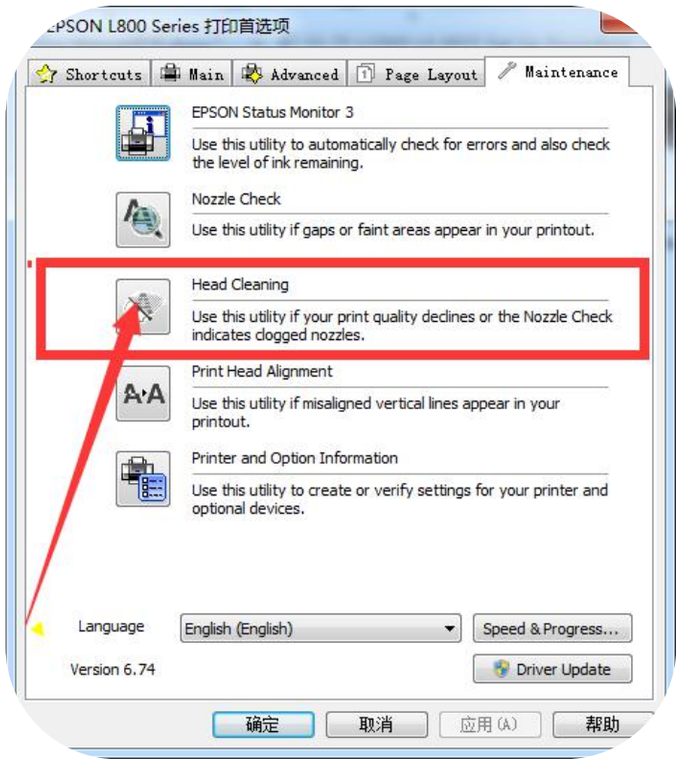
artis 3000U Set Up and Installation | Auto Head Cleaning

Head Cleaning through the Printer Driver in Computer

START button of the WINDOWS system on desktop of the computer --> Devices and Printer--> right click the L800 Printer icon--> printer preference--> Maintenance--> Head Cleaning





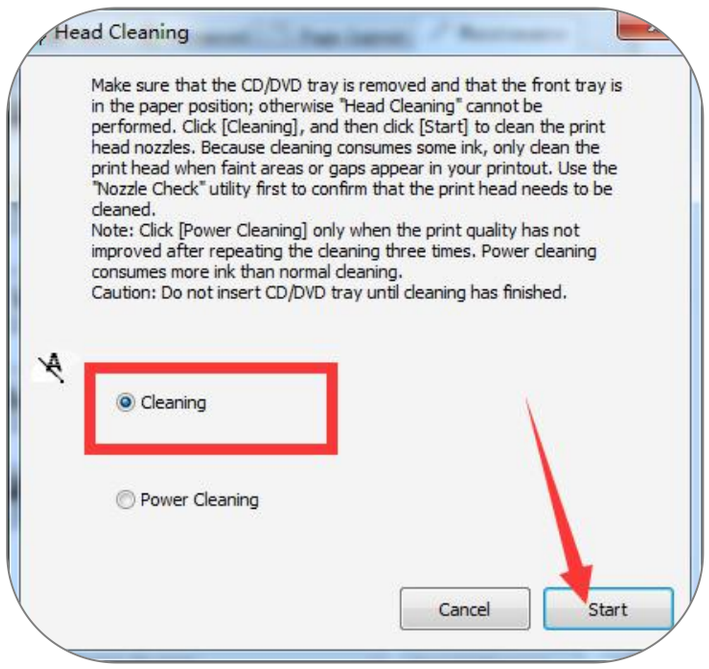


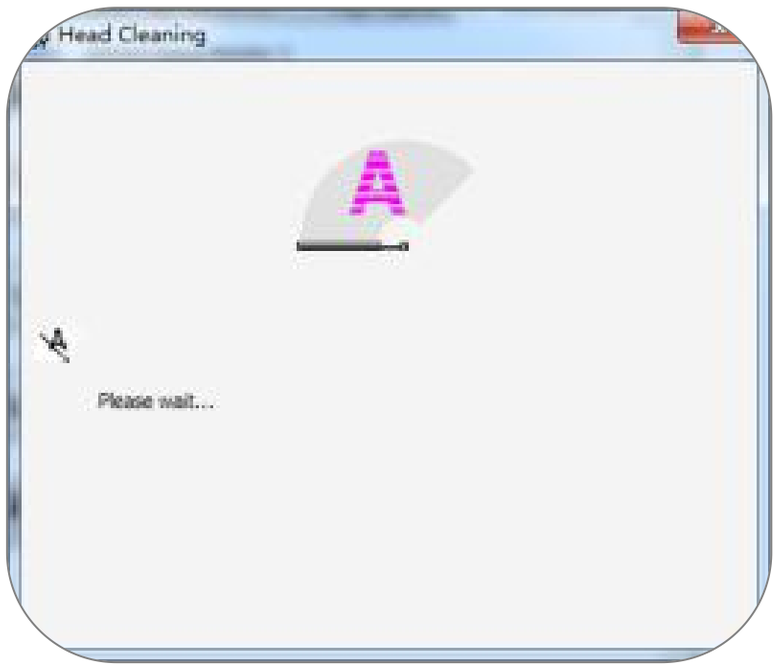
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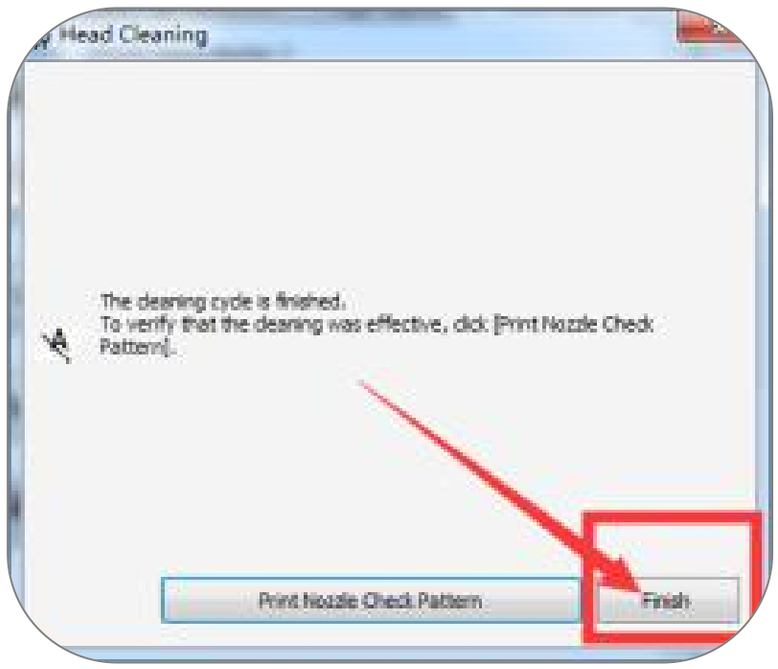
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Head Cleaning through the Printer Driver in Computer







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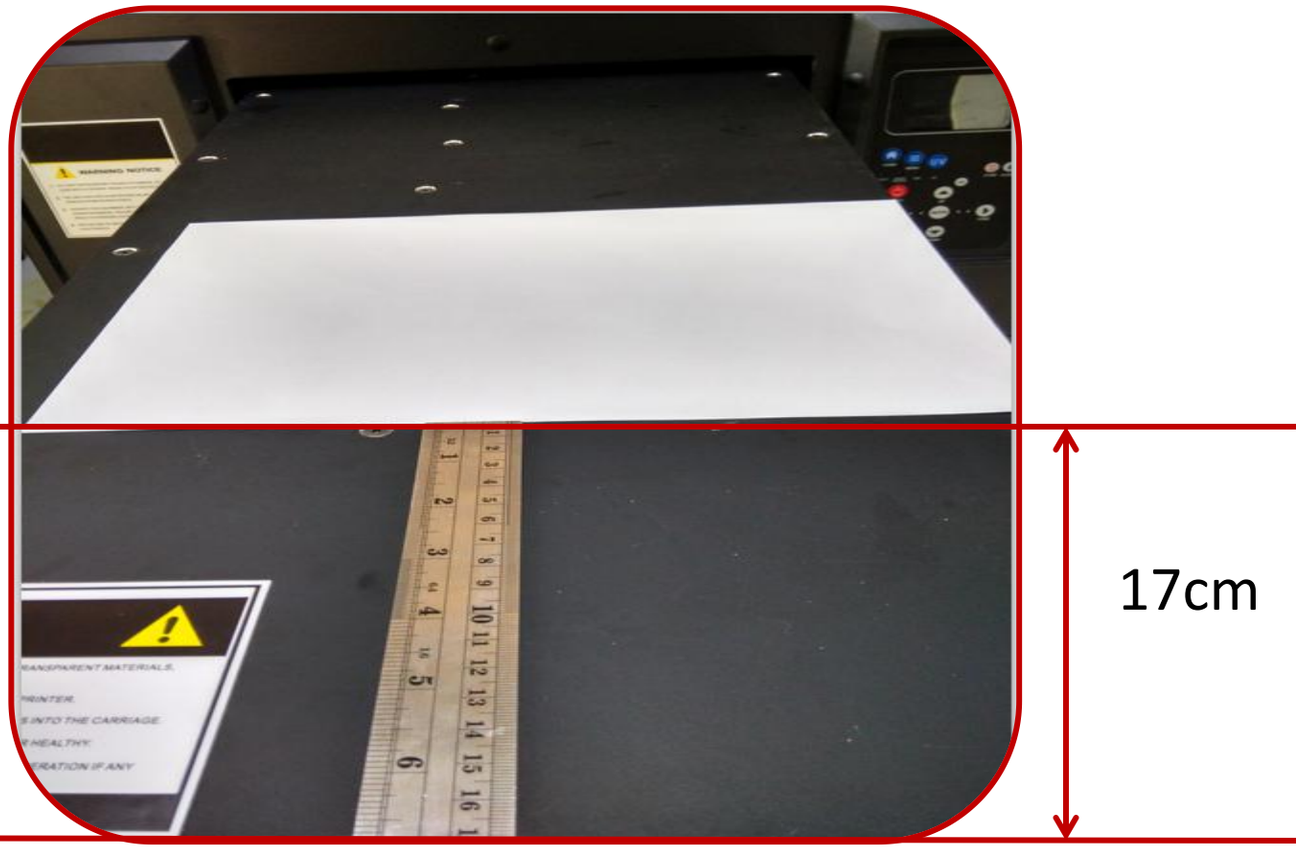
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Nozzle Check for Color Inks on paper

Press FORE button and moves out the flatbed.



Place and fix a white paper on the flatbed.

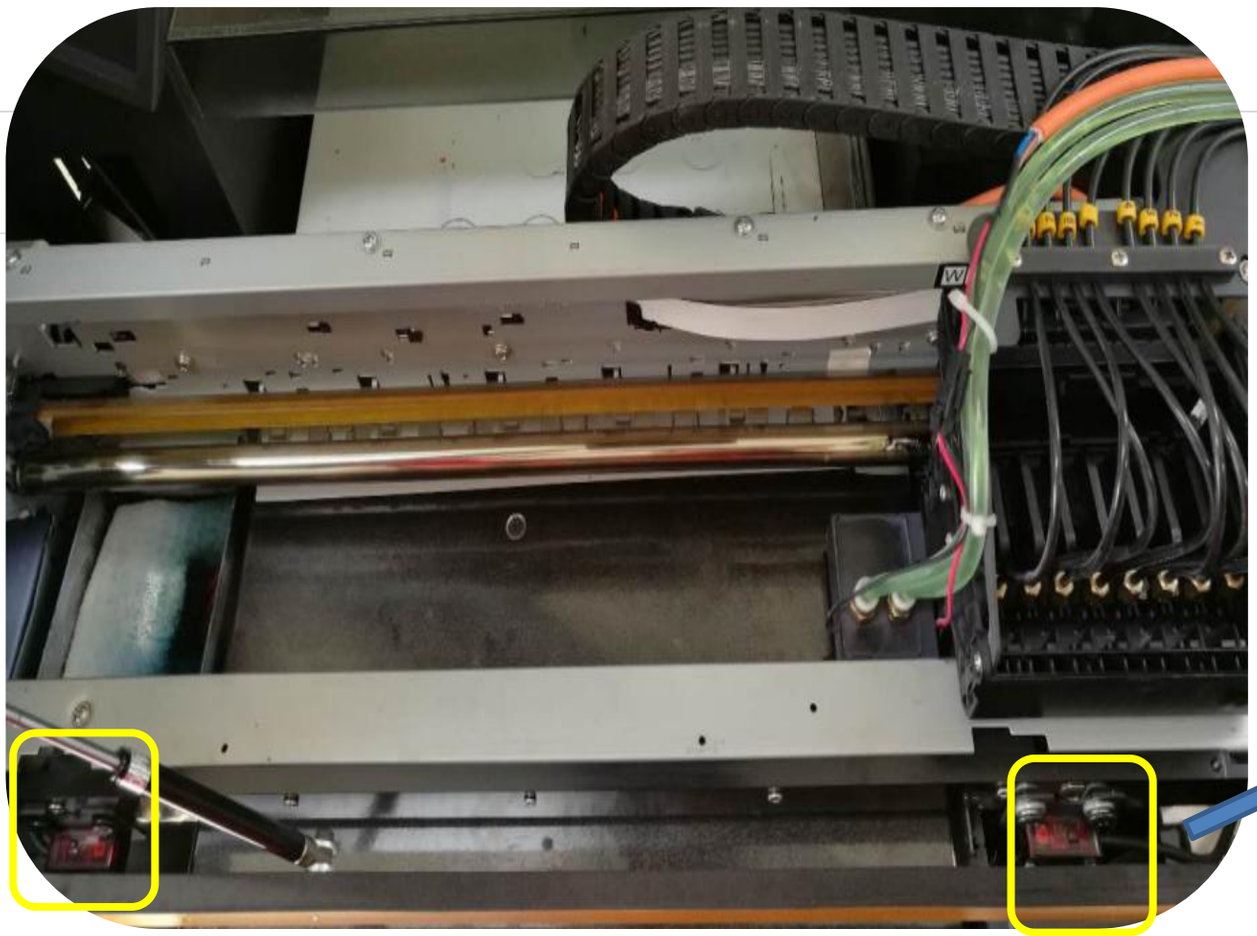


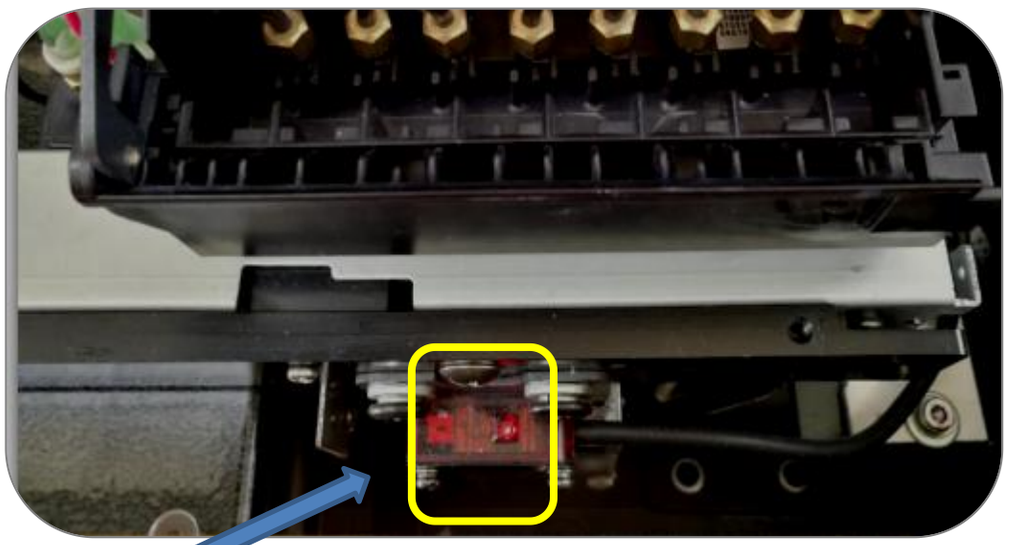
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Then adjust the table height by press UP button until flatbed stops automatically.

The height sensor(right side) would on, it means the flat bed already up to highest position.





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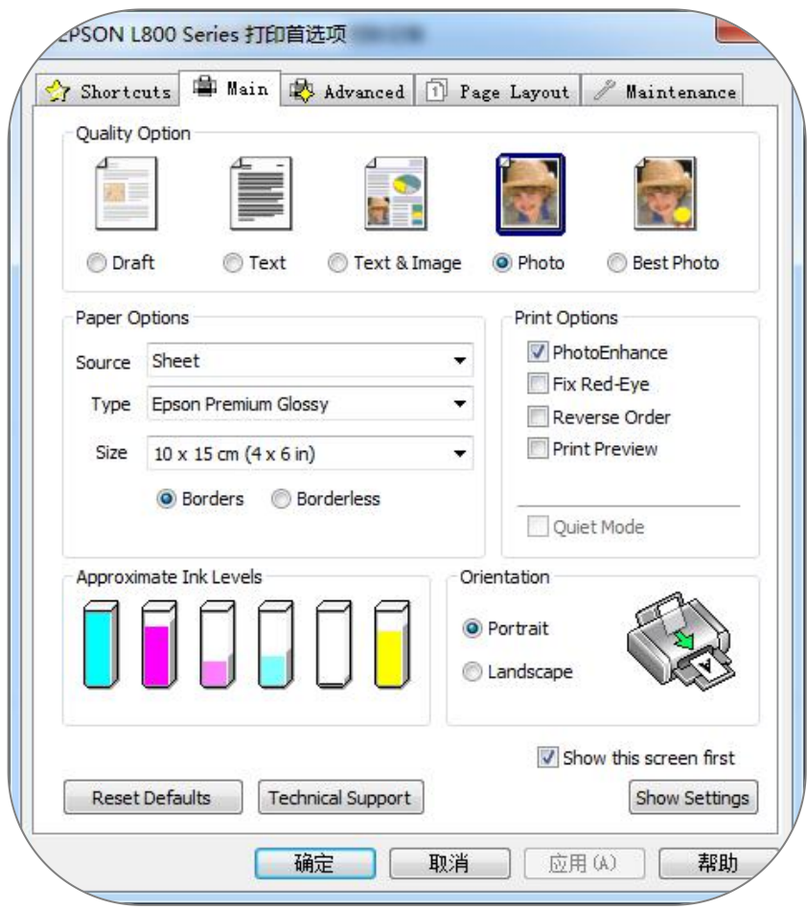
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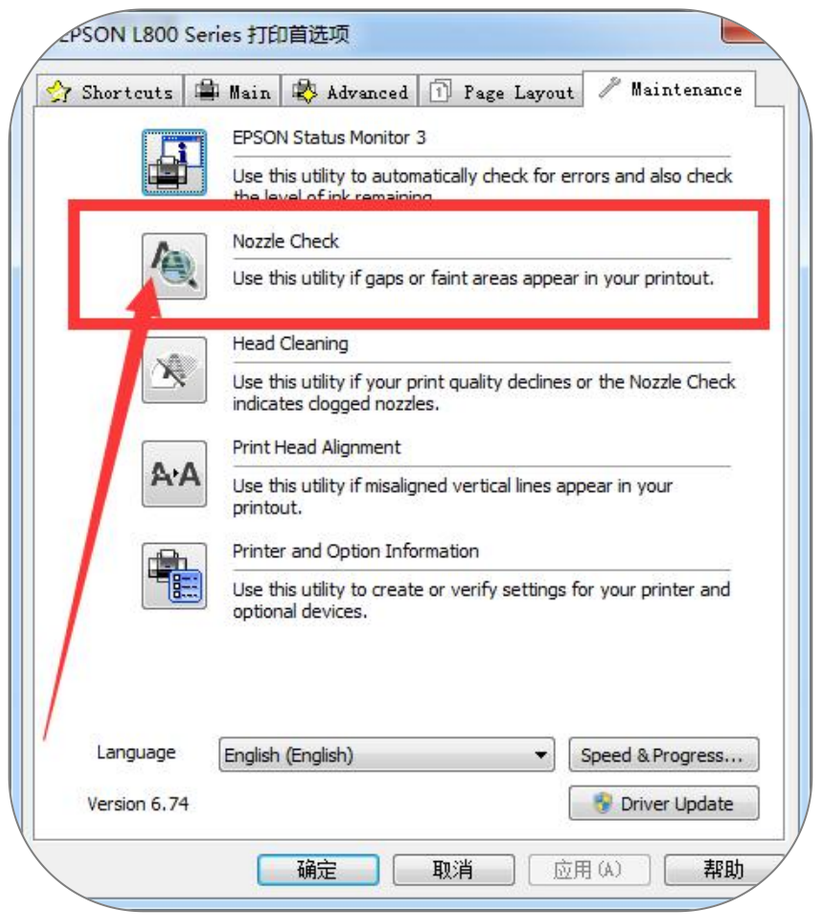
artis 3000U Set Up and Installation | **Nozzle Check**

Nozzle Check for Color Inks on paper

Nozzle check command sending through the driver in the computer.







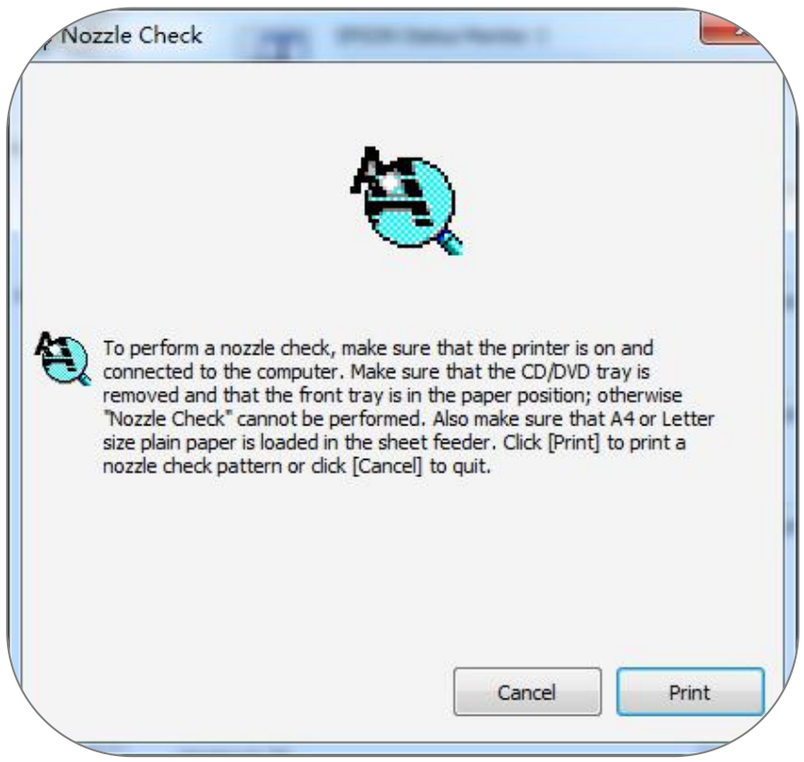
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artis 3000U Set Up and Installation | Nozzle Check

Nozzle Check for Color Inks on paper

On white paper we check color ink results. For white ink result, we print on transparent board the next step.





color inks result on paper

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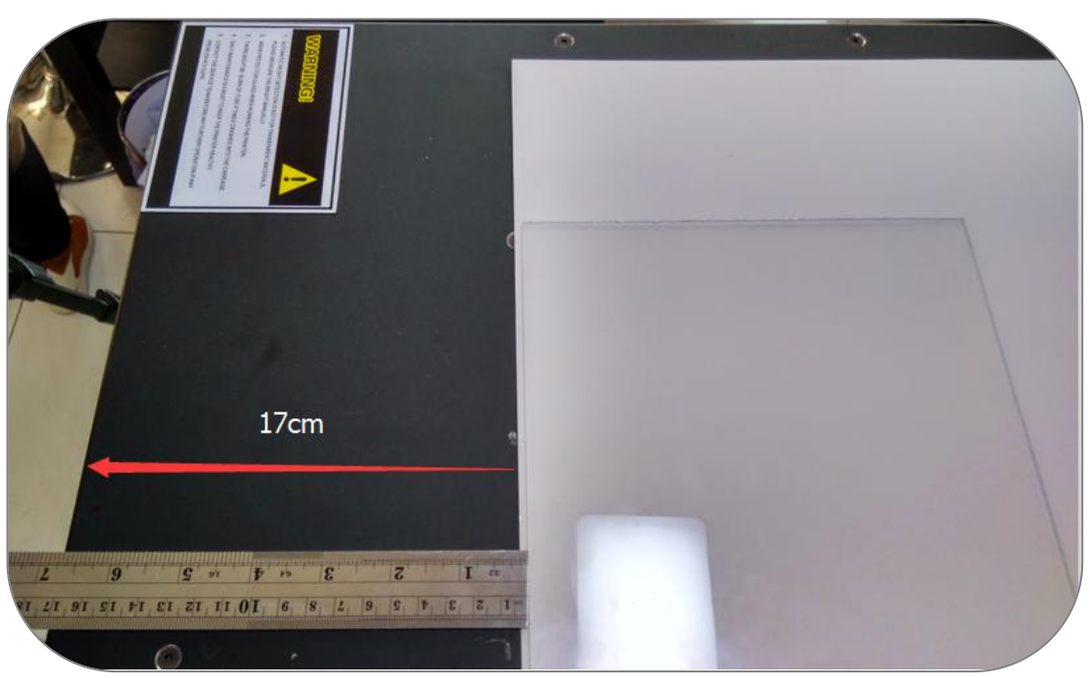
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Nozzle Check for White Ink on transparent board

Press FORE button and moves the flatbed.



Place and fix transparent board on the out white sticker



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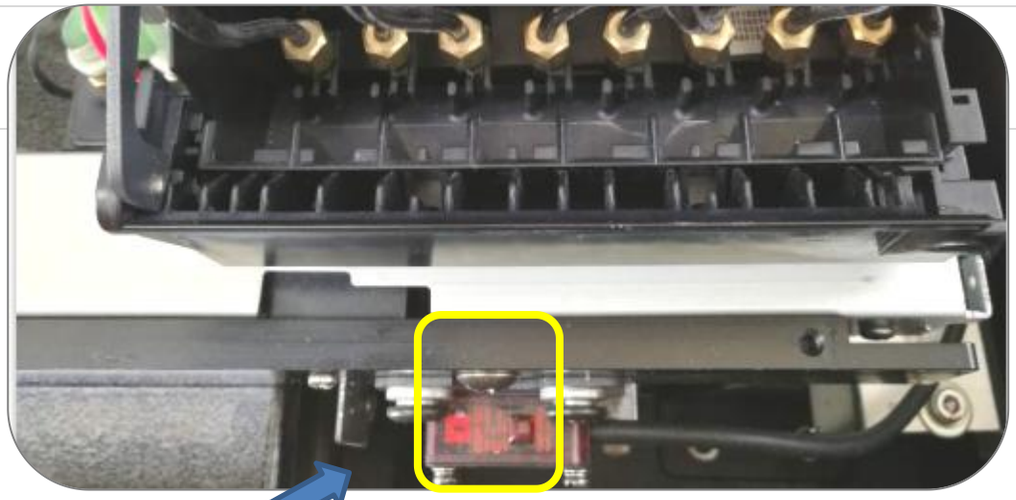
Please notice the height sensors can not work for transparent material.

Normally for non-transparent materials, the sensor at right side would on and flatbed would stop automatically. But for transparent material, the sensor would not detect.

The printing distance between transparent board and bottom of beam is around 2-3mm.

We check the distance by ruler.





Nozzle Check for White Ink on transparent board

Press Back button to let transparent board under bottom of beam. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm.Then press ENTER button to move back the table completely.



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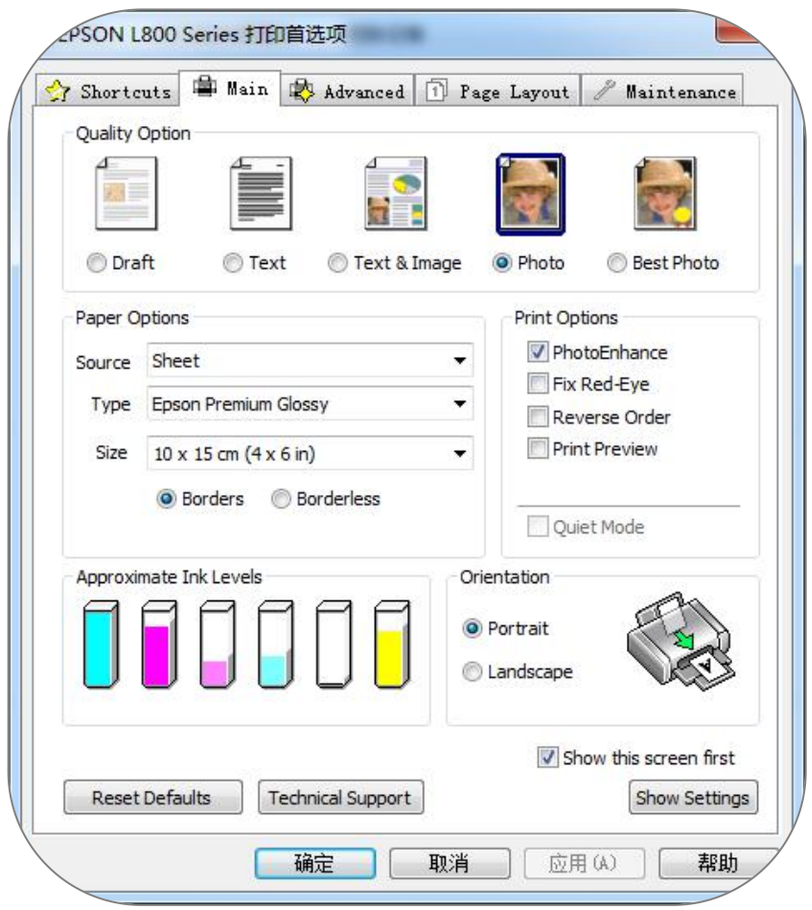
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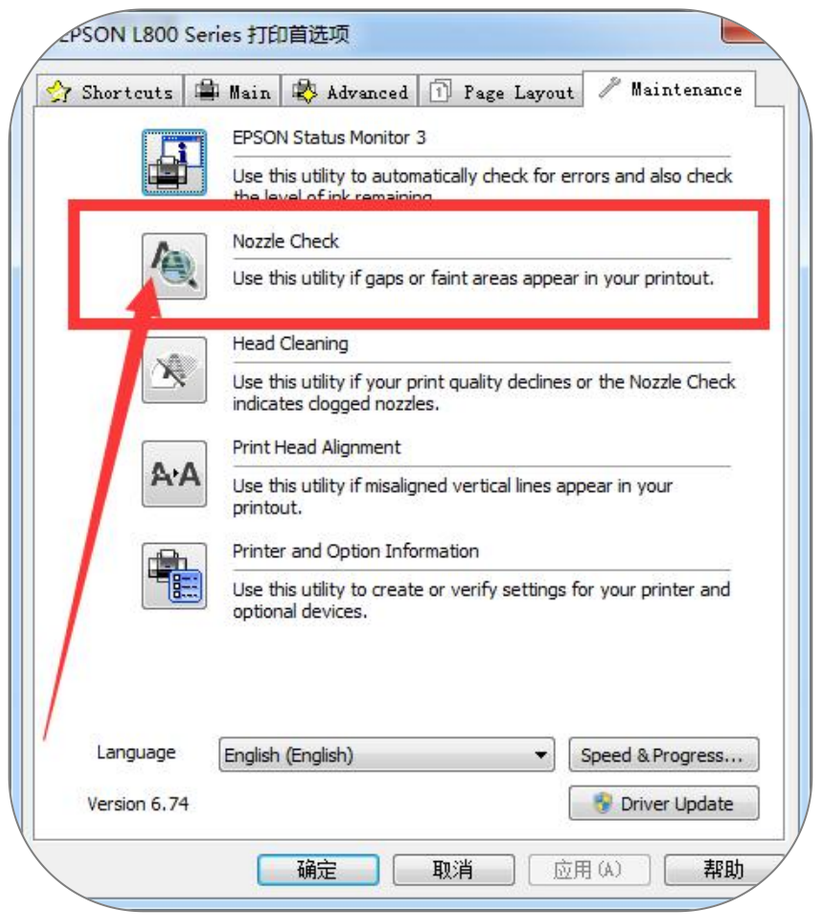
artis 3000U Set Up and Installation | **Nozzle Check**

Nozzle Check for White Ink on transparent board

Nozzle check command sending through the driver in the computer.





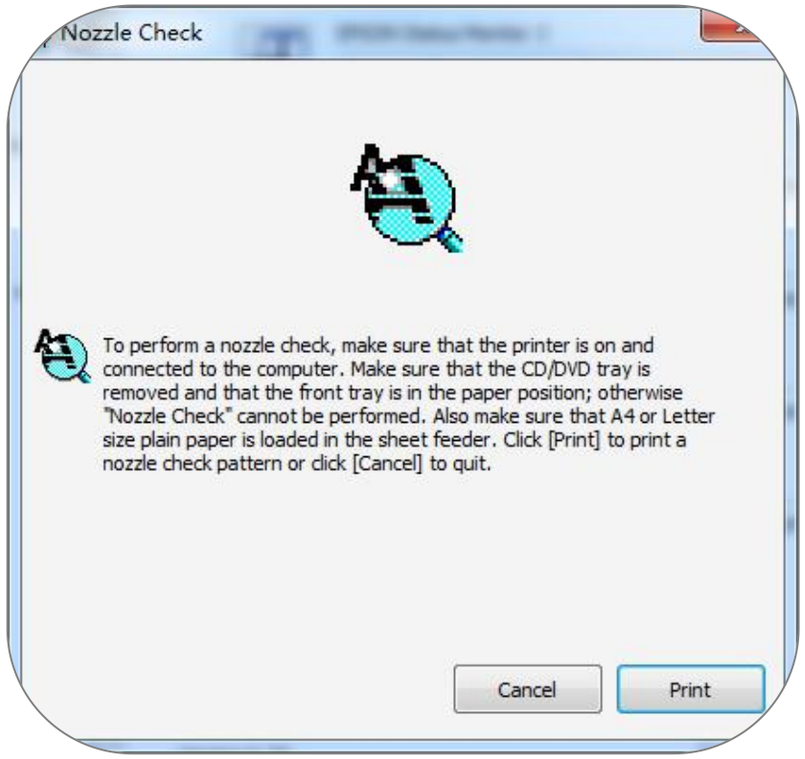


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Nozzle Check for white ink on transparent board.

Nozzle check command sending through the driver in the computer.



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Image Color Test Printing on Paper

--- Press FORE button and moves out the flatbed.

--- Place and fix a white paper on the flatbed. The same position of the nozzle check paper.

--- Press the Back button and moves back the flatbed little bit.

--- Flatbed height adjust. Please refer to "Nozzle Check for Color Inks"

--- Image imported into the software and printing command sending to the machine.

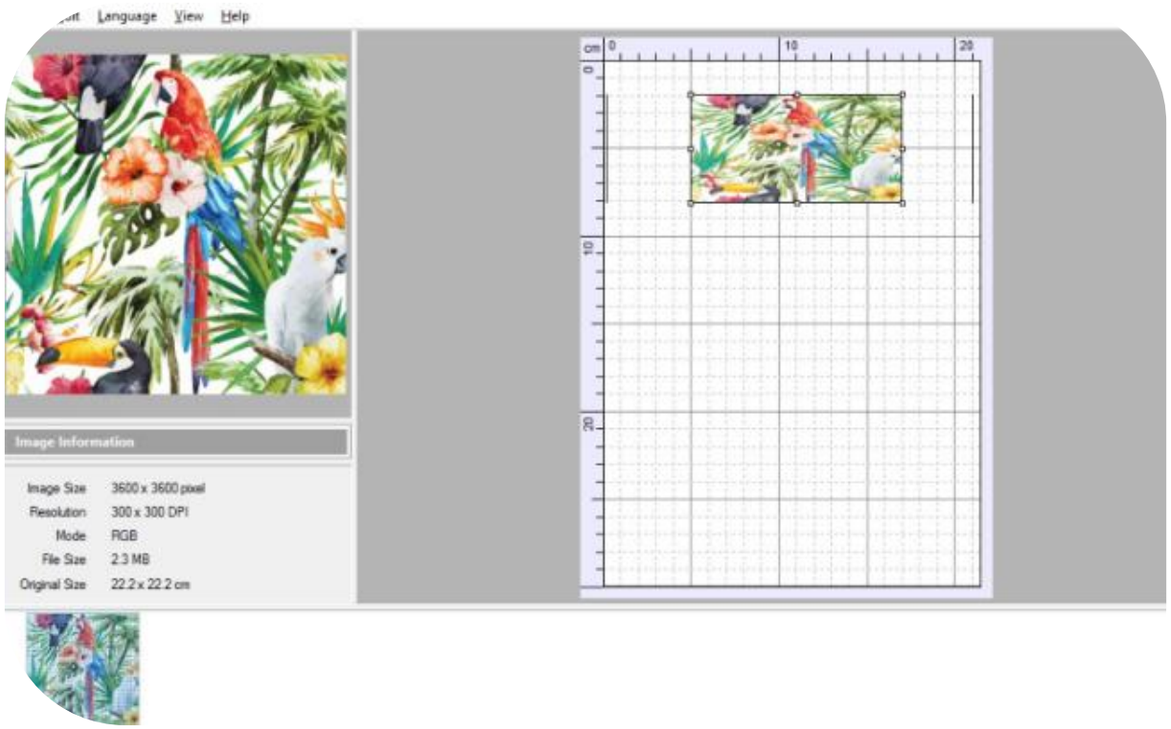
Please refer to Test Printing before Fill Inks, Color Test Printing.

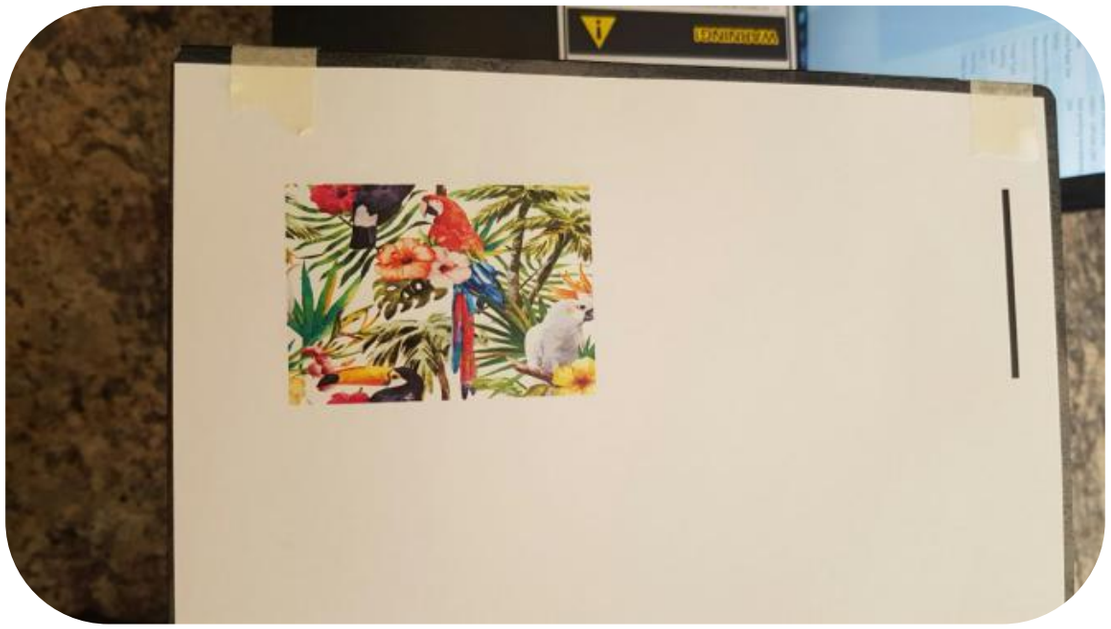
--- Image printing result checking

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Image Color Test Printing on Paper





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Congratulation

The setting up process done successfully.

Next practice print on phone cases or other media you need.

For product print training and maintenance training, please refer to files & videos in CD.

Start your printing and maximizing the color value!

artisJet Customer Care

Need assistance ?

We are here to help.
To inquire about products and Technical services, please reach us



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