

artisJet

Direct to Substrate Printing Solutions

artis 2100U
Set Up and Installation

artis Customer Care
February 2017

Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation

Contents

Preparation 3

General Introduce 5

Mechanical System Test 9

Driver and Software 12

Layout Tab Settings 20

Import UV Guidlines 21

Printer Tab Settings 22

Color Tab Settings 23

How to Insert ICC Profile 24

UV Cooling System Checking..... 31

Test Print before Fill Inks 33

Ink Filling & Ink Following 37

Auto Head Cleaning 39

Nozzle Check for Color Inks..... 41

Nozzle Check for White Inks..... 46

Image Test Print 51

Welcome to artisJet

We are Taking Care of All about Your Print Experience

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.





Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U 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.



Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation

General Introduce

(1) Control Panel

(2) General Power Button

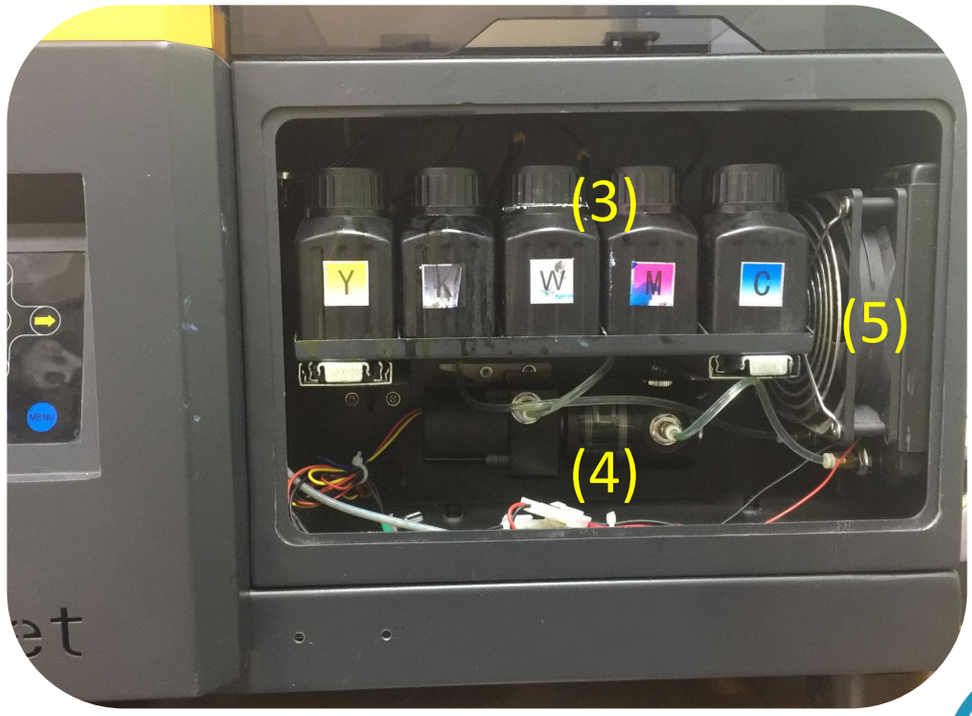


(3) Ink Bottles

(4) UV Cooling Fans

(5) UV Cooling Liquid Container





Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation

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



Pause the current print job



Perform ink pumping



Welcome to artisJet

We are Taking Care of All about Your Print Experience

(6) Exhausting Fans for Spraying Inks

(7) UV Cooling Fans

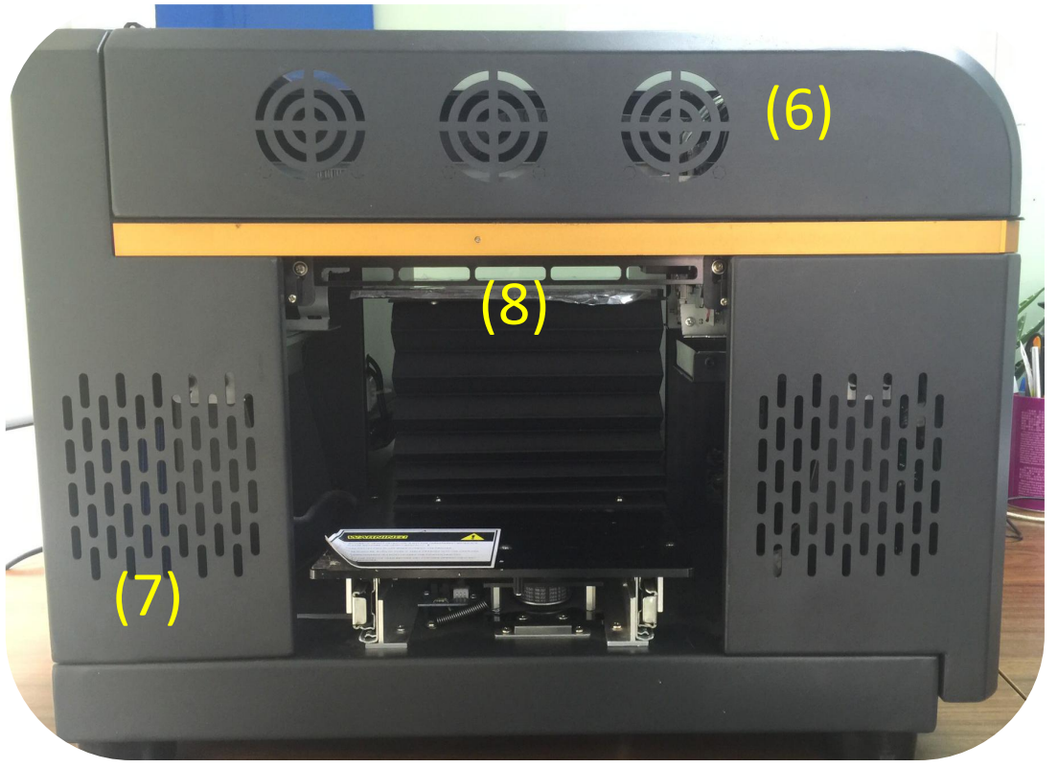
(8) Flatbed

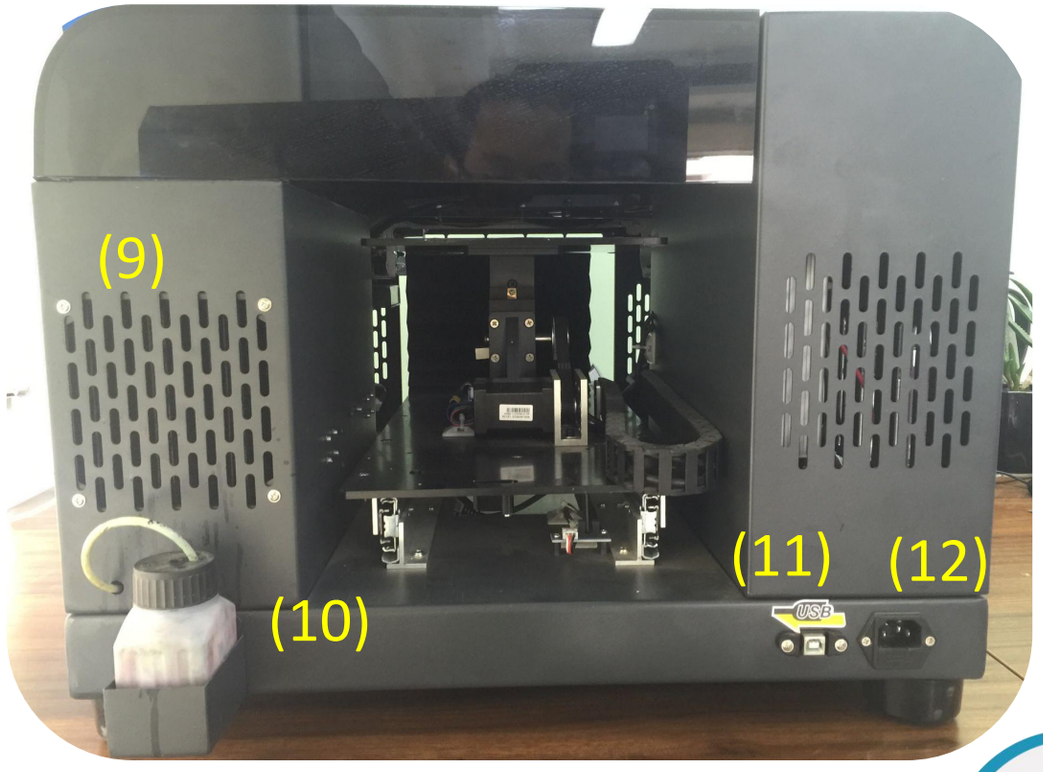
(9) UV Cooling Fans

(10) Waste Ink Bottle

(11) USB Cable Connector

(12) Power Cable Connector





Welcome to artisJet

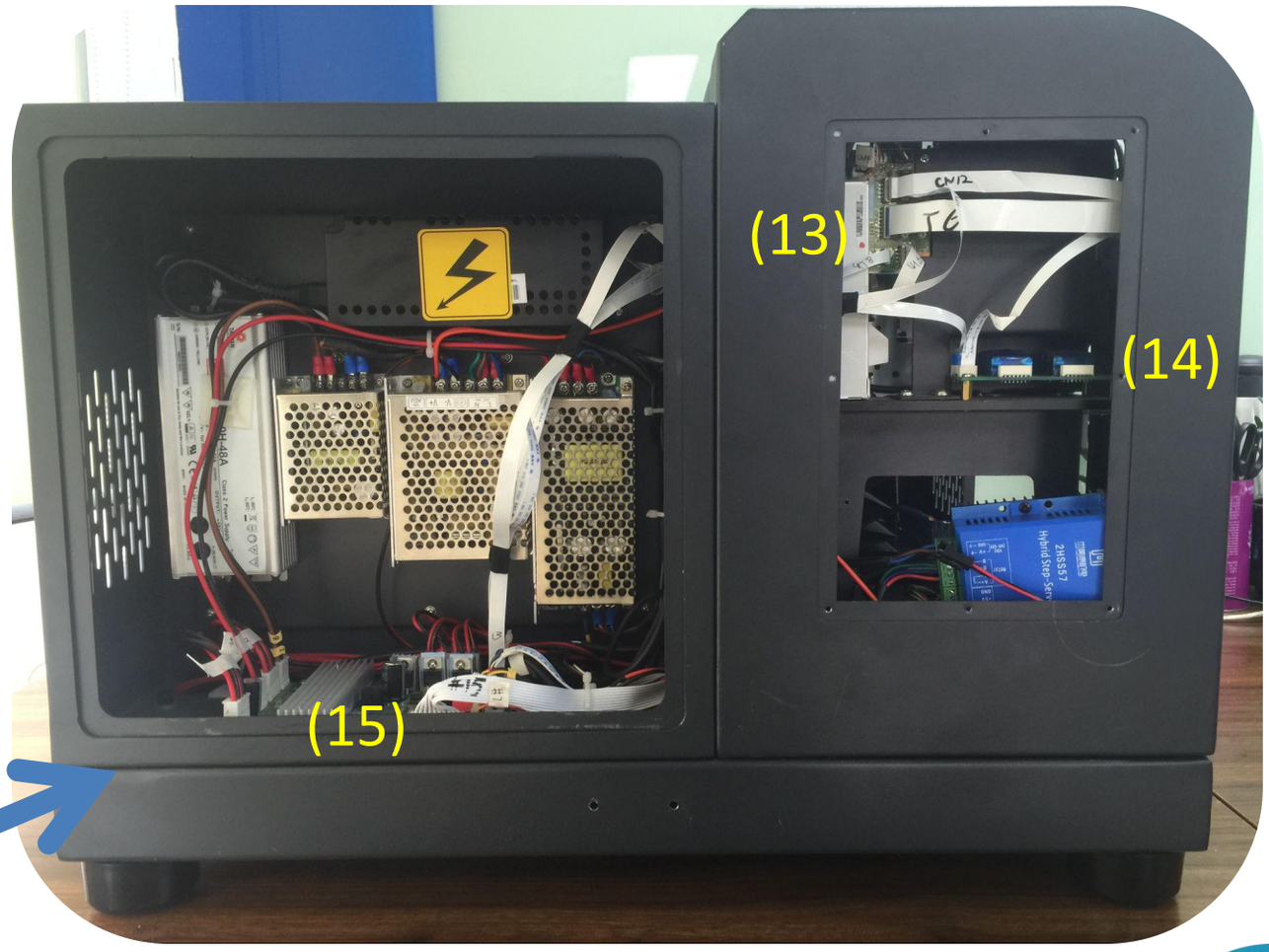
We are Taking Care of All about Your Print Experience

(13) Main Board

(14) Transfer Board

(15) SCM Board



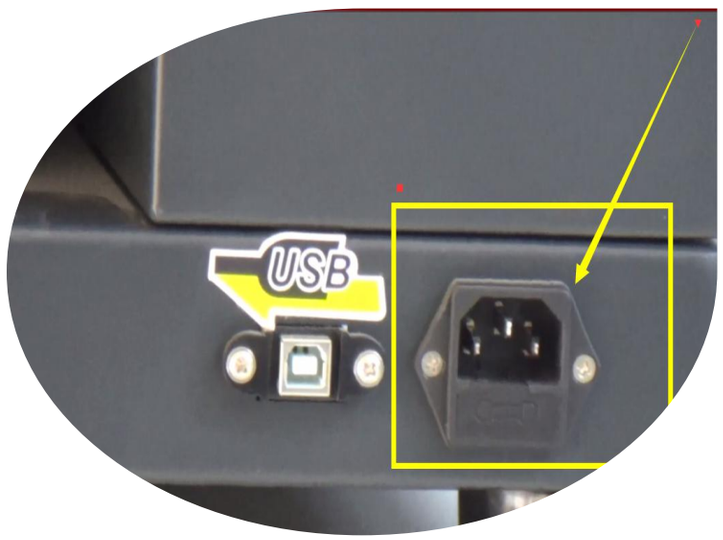


Welcome to artisJet

We are Taking Care of All about Your Print Experience

Power Cable Connection

Connect the power cable to connecting the machine with the local power. Then press General Power Button (small yellow button which located under the LED Screen of the machine) and make sure it's showing artis Logo.





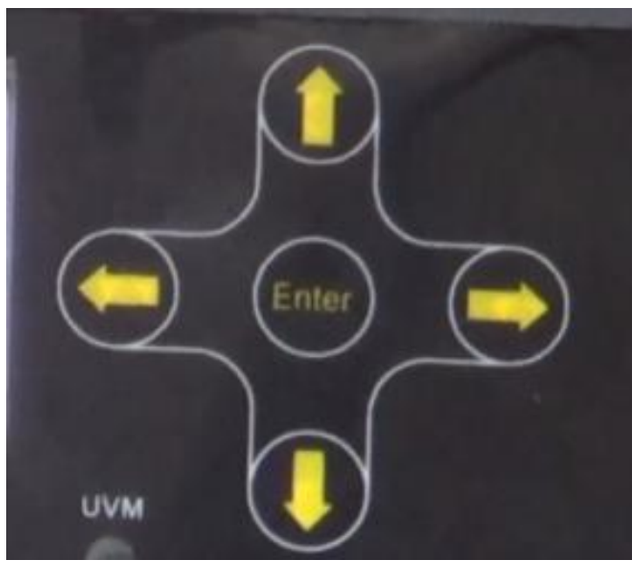


Flatbed Movement Test

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



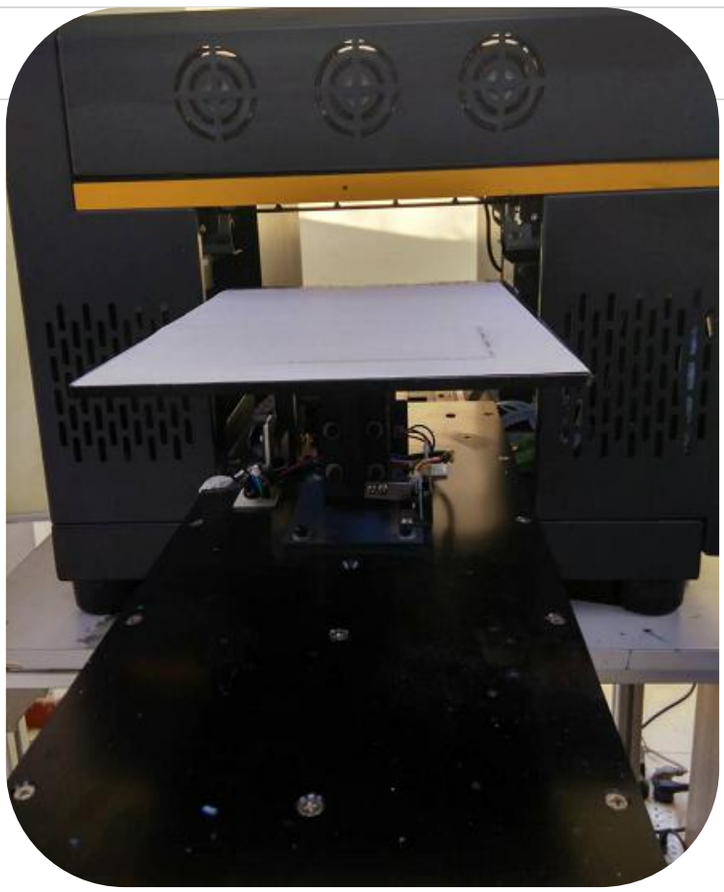
BACKWARD Button

DOWN Button

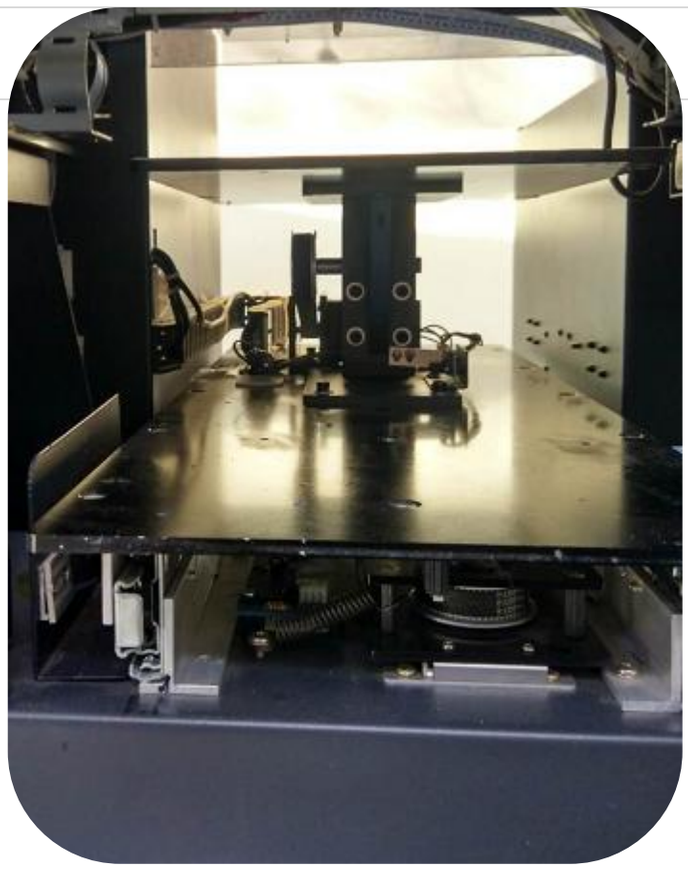
Welcome to artisJet

We are Taking Care of All about Your Print Experience

(1)flatbed come out completely



(2) flatbed moves down completely



Welcome to artisJet

We are Taking Care of All about Your Print Experience

Make Printer Under READY Mode

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.





Welcome to artisJet

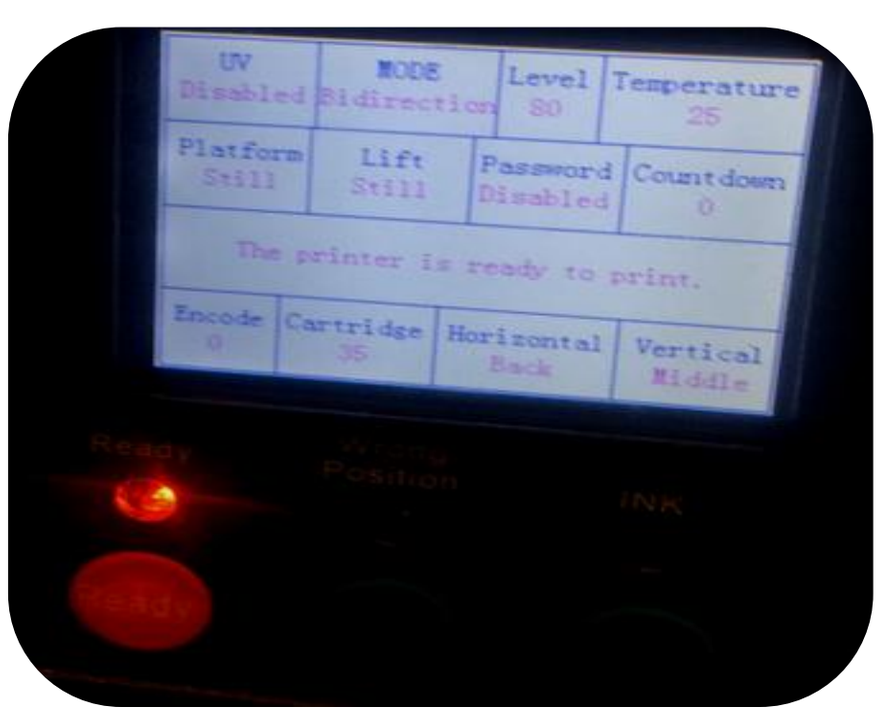
We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | Driver and Software

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.





Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | Driver and Software

Printer Driver Installation

Connect the USB cable with the machine and computer



Welcome to artisJet

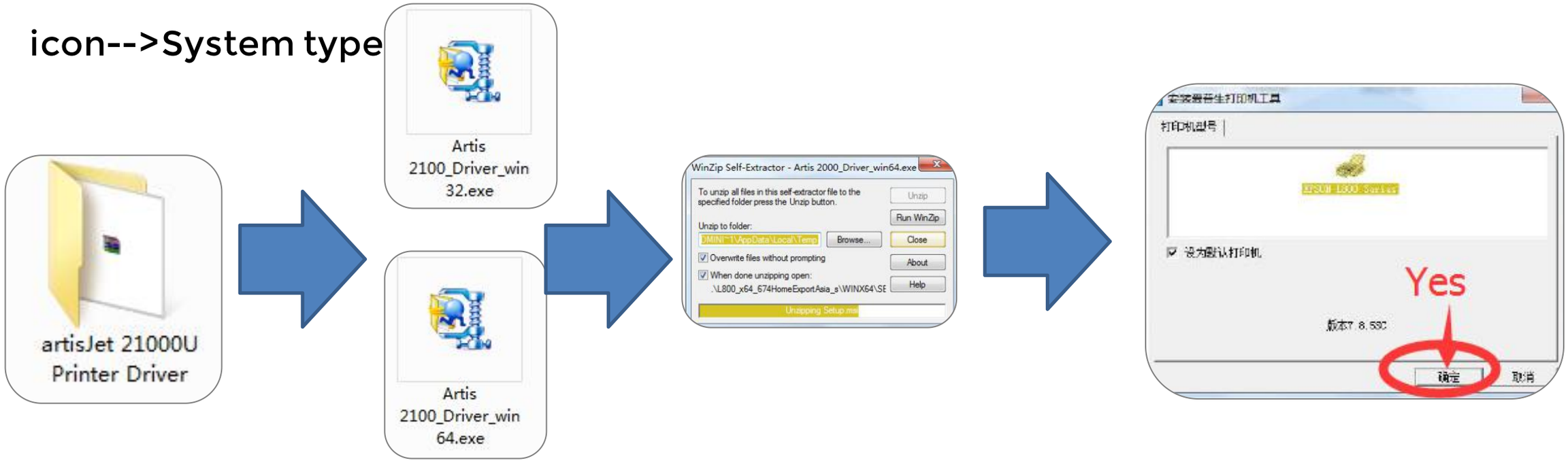
We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | Driver and Software

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

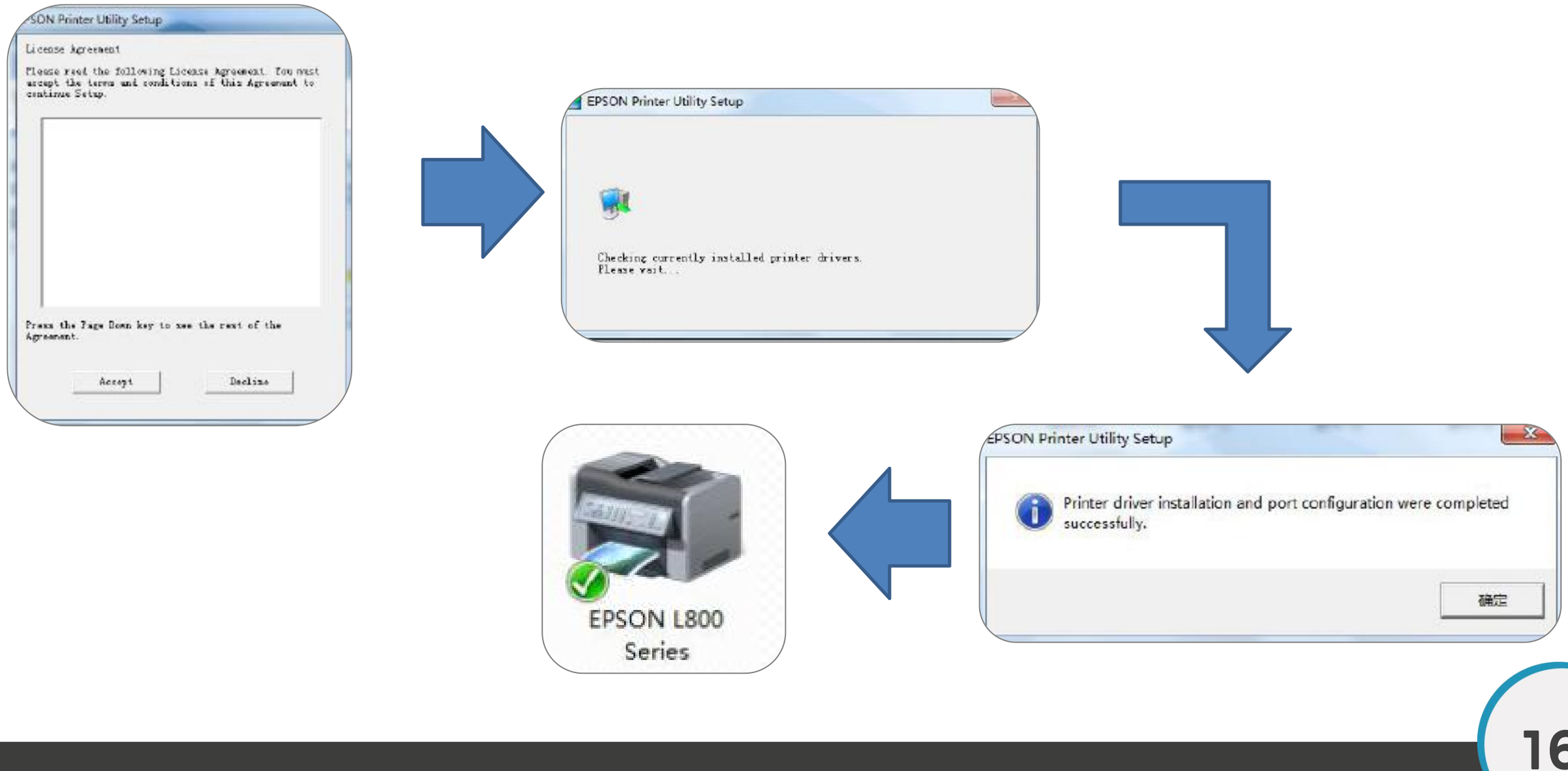


Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | Driver and Software

Printer Driver Installation



Welcome to artisJet

We are Taking Care of All about Your Print Experience

RIP V8.2.6 Software Installation

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











Welcome to artisJet

We are Taking Care of All about Your Print Experience

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.

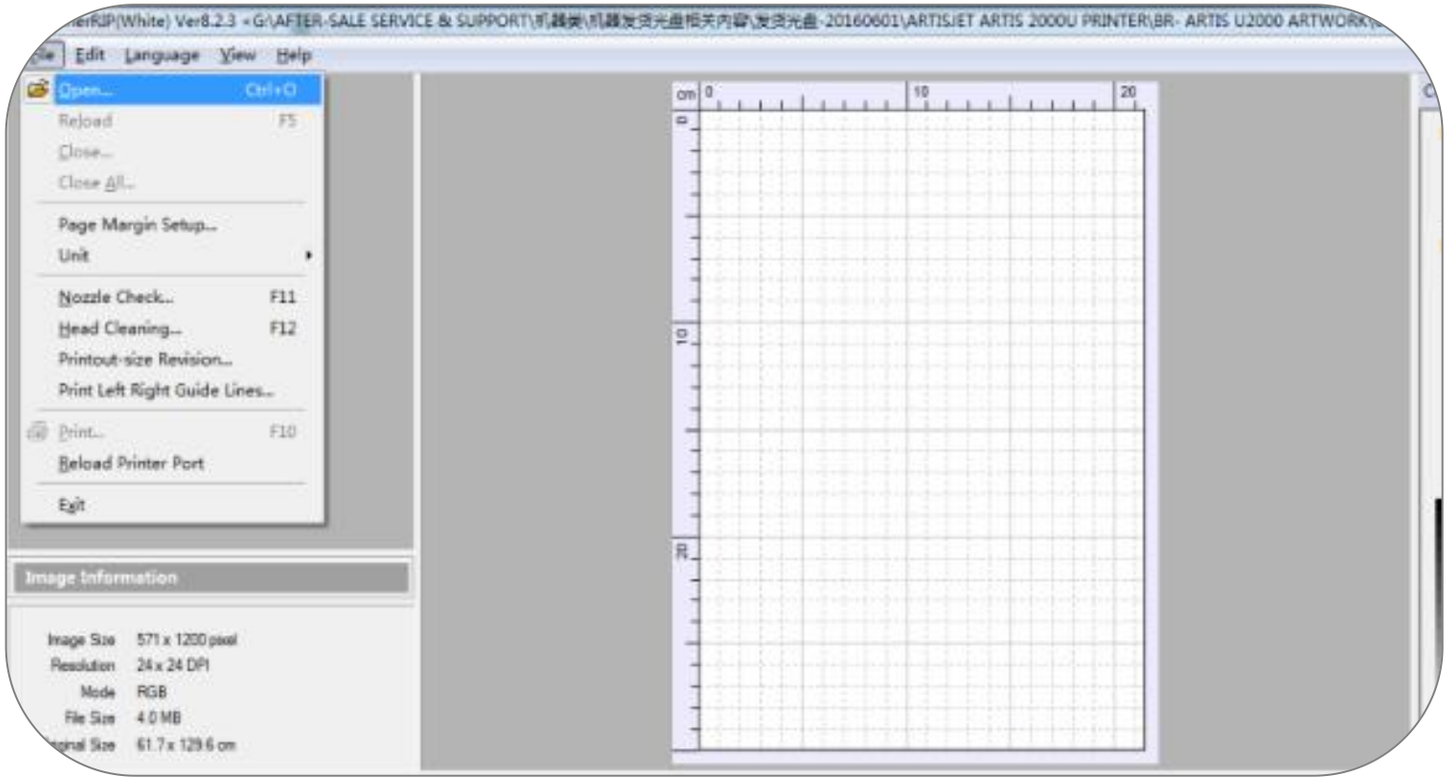
--- To make sure UV Lamp can lighting properly during printing process before fill Inks.

Welcome to artisJet

We are Taking Care of All about Your Print Experience

Open RIP V8.2.6 Software and import image

Open RIP Software. Click File button, then select Open option to import an image from DVD Disc Artwork folder.



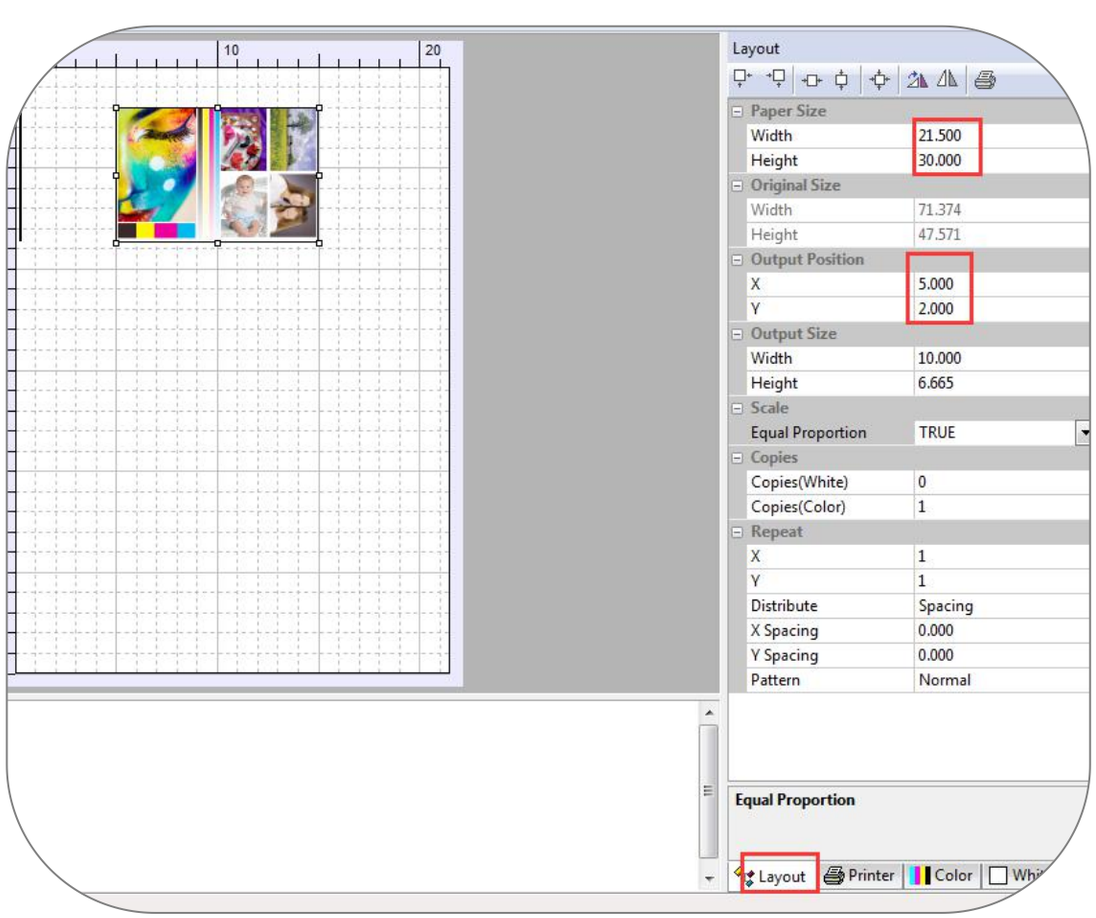
Welcome to artisJet

We are Taking Care of All about Your Print Experience

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.



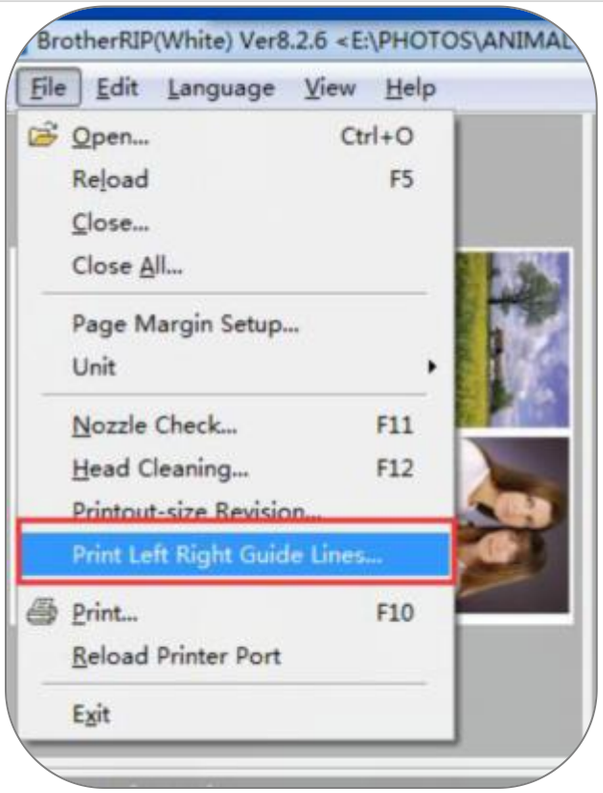
Welcome to artisJet

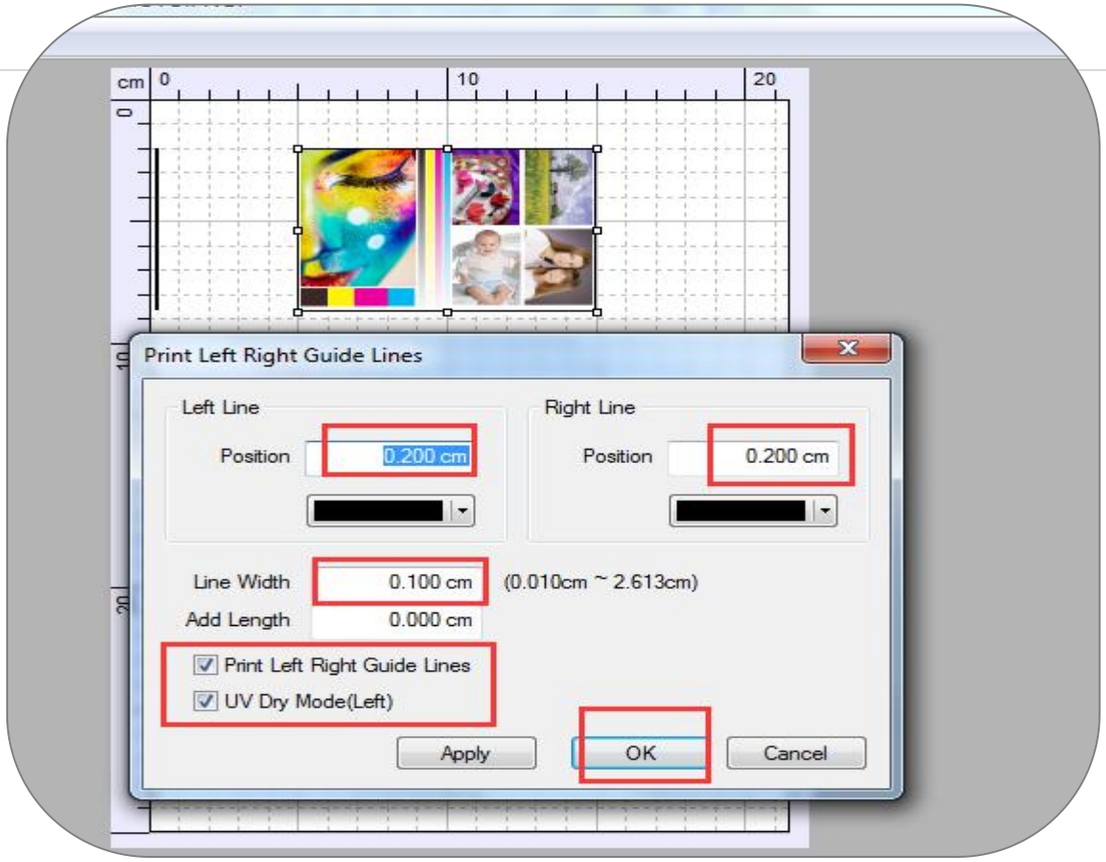
We are Taking Care of All about Your Print Experience

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.





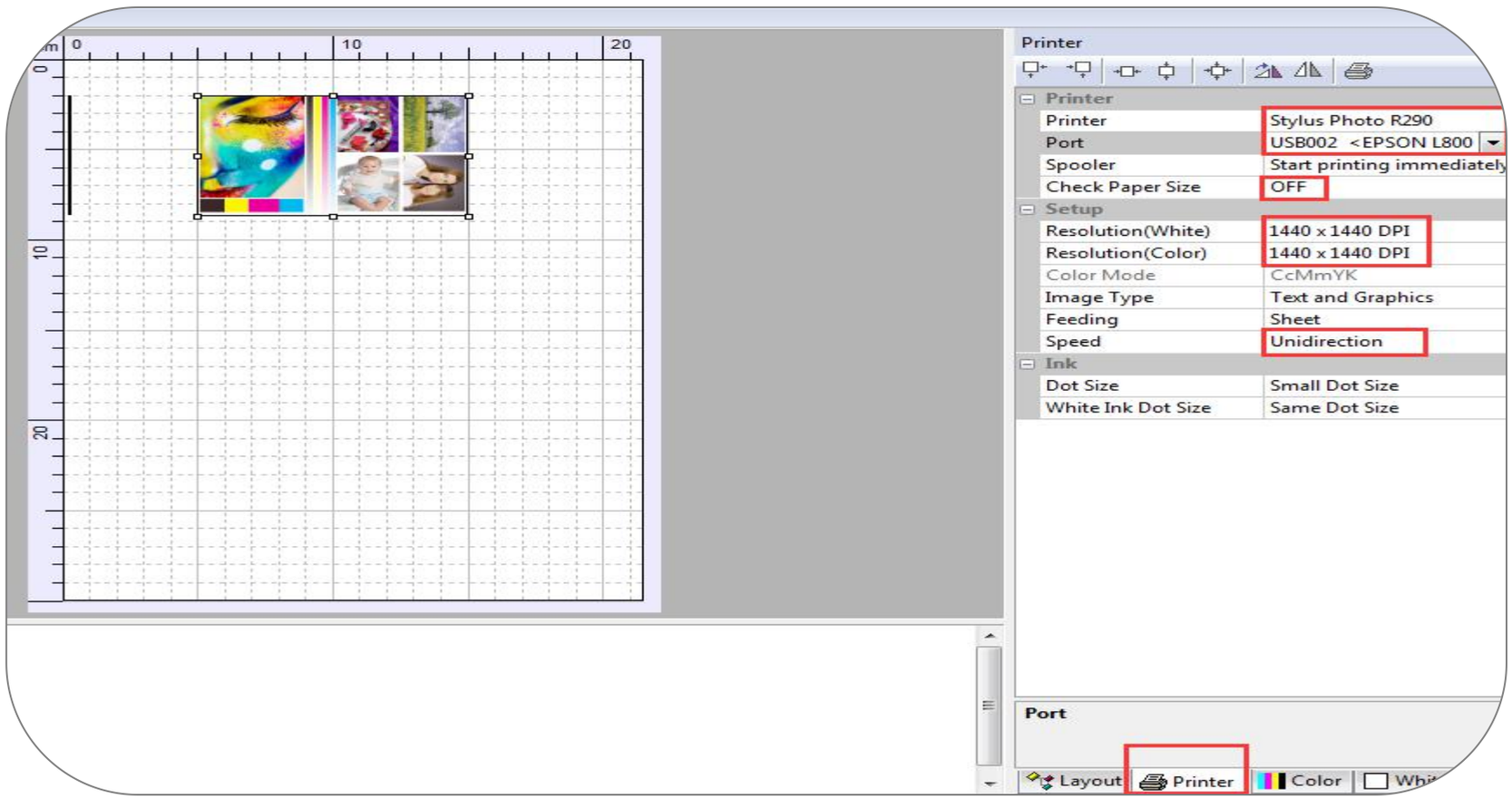
Welcome to artisJet

We are Taking Care of All about Your Print Experience

Printer Tab settings

Printer: Stylus Photo R1800 **Port:** USB00x with EPSON L800

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

- 

EPSON L800

Welcome to artisJet

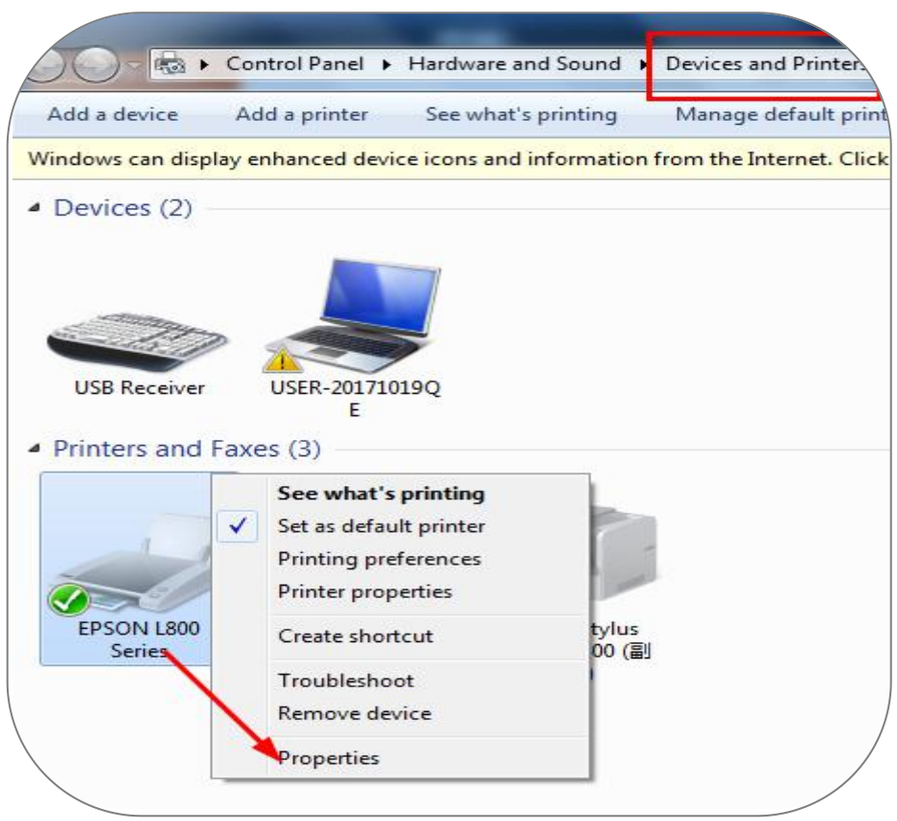
We are Taking Care of All about Your Print Experience

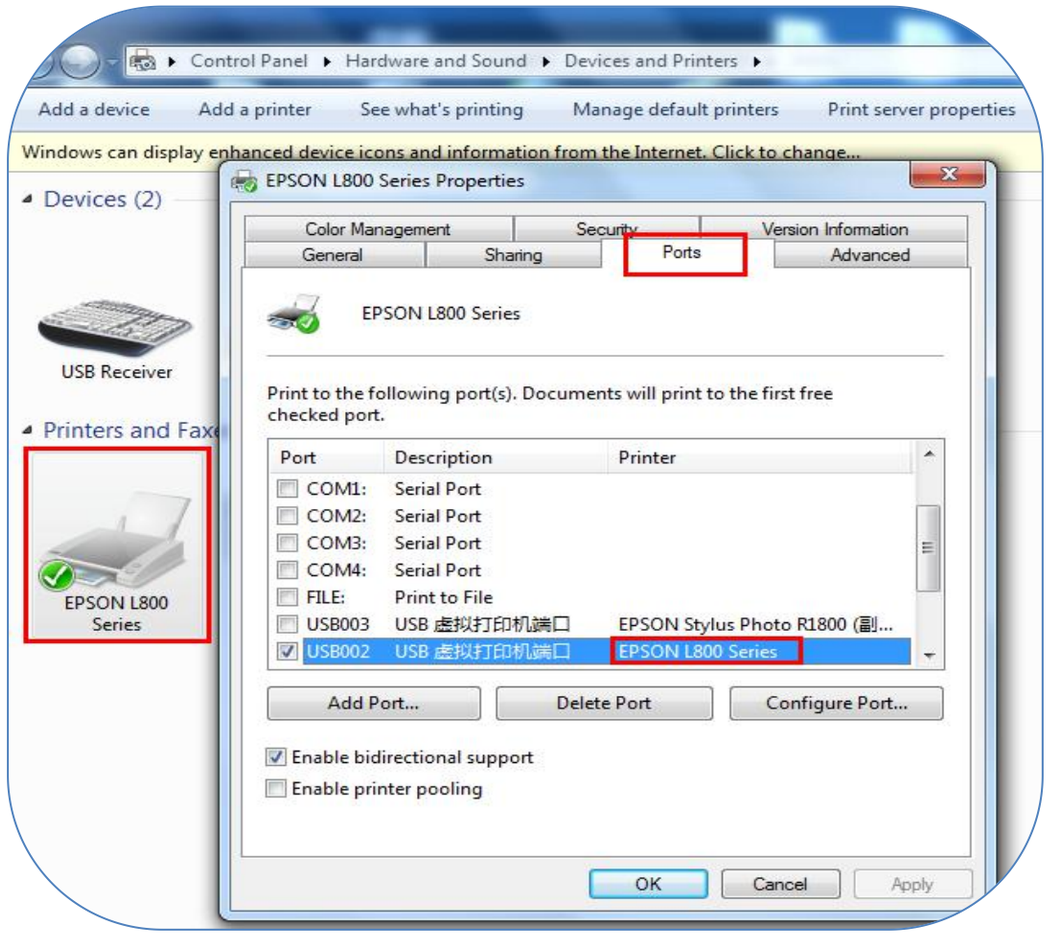
artisJet 2100U Set Up and Installation | **Printer port checking**

Printer port checking from printer driver.

Control Panel-->Devices& Printers-->Right click Epson L1800-->Printer Properties--

>Ports-->USB00X Epson L1800





Welcome to artisJet

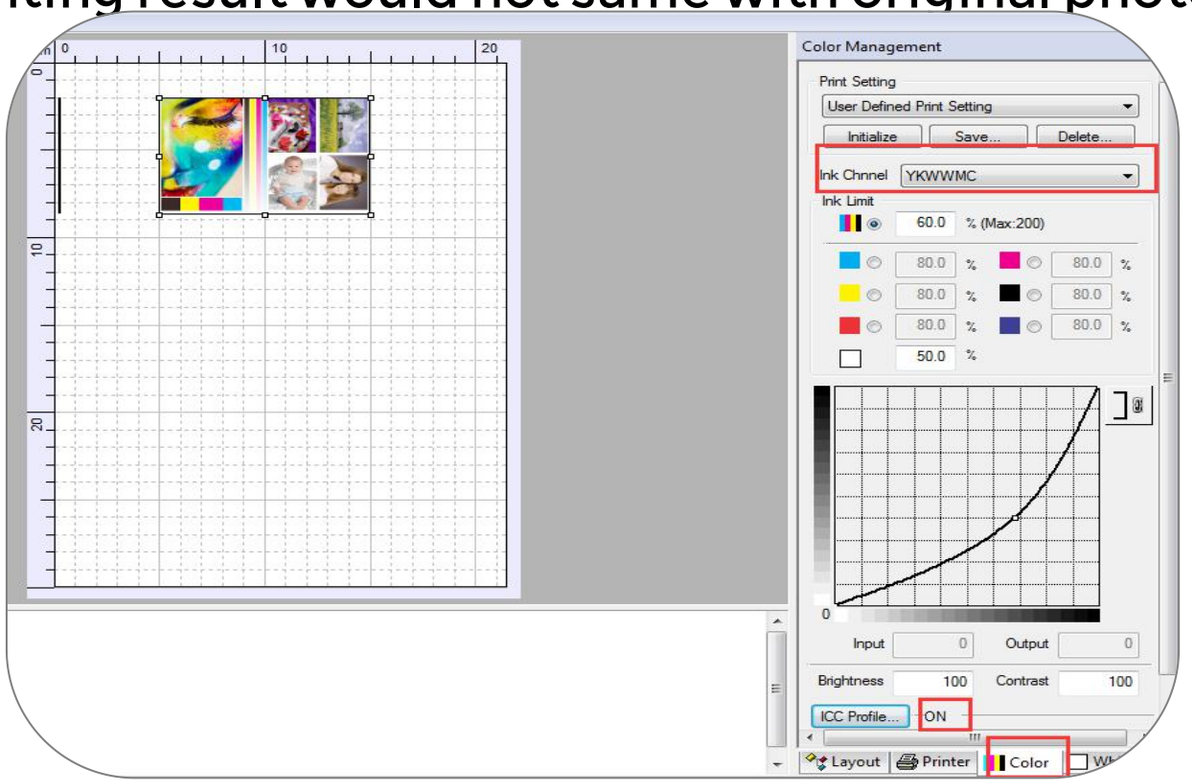
We are Taking Care of All about Your Print Experience

Color Tab settings

Ink Channel: YKWWMC

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.



Welcome to artisJet

We are Taking Care of All about Your Print Experience

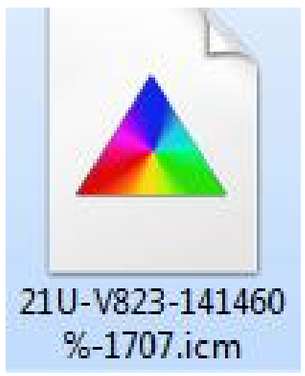
Inset ICC Profile

There are different ICC profiles for different printing result.

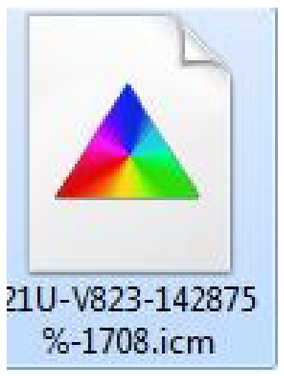
Normally we choose ICC profile 21U-V823-141460%-1707.icm for 1440X1440 dpi.

- - - goes to DVD Disc --> artis 2100U RIP Software ICC Profile --> copy the files named

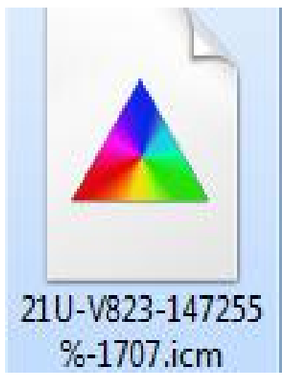
21U-V823-141460%-1707.icm;21U-V823-142875%-1708.icm;21U-V823-147255%-1707.icm;



1440X440 dpi
Ink limit: 60%



1440X2880 dpi
Ink limit: 75%



1440X720 dpi
Ink limit: 55%

Welcome to artisJet

We are Taking Care of All about Your Print Experience

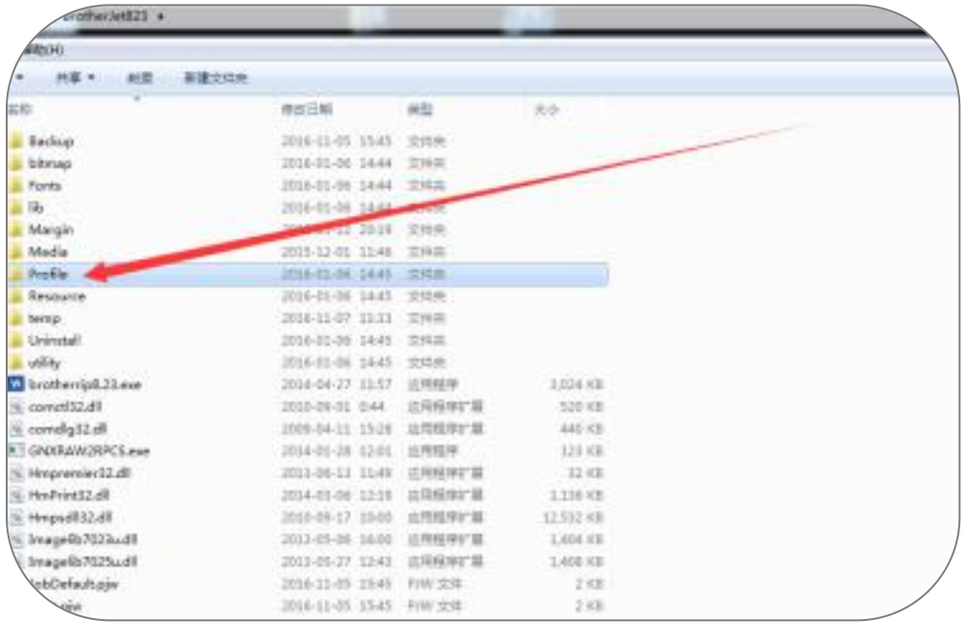
artis 2100U Set Up and Installation | **How to insert ICC profile**

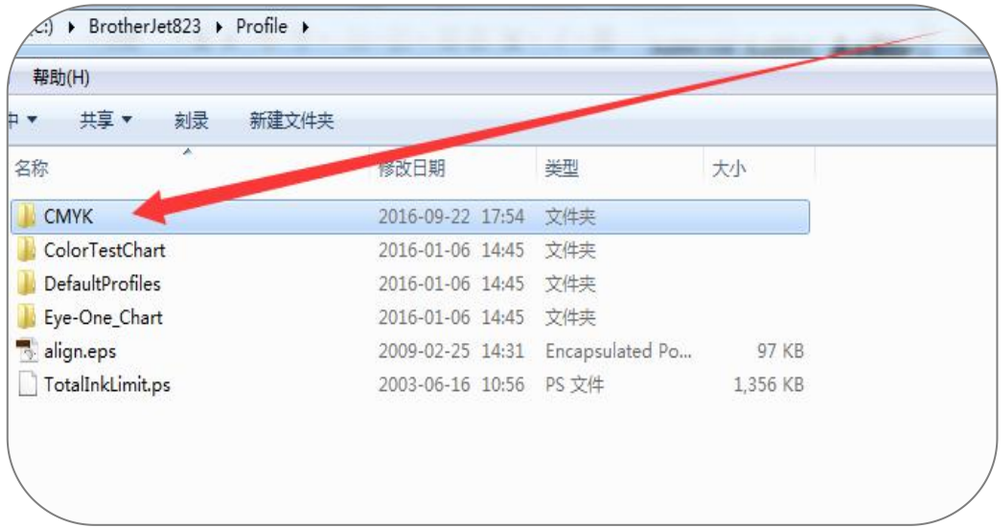
Copy ICC profile to CMYK folder.

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

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





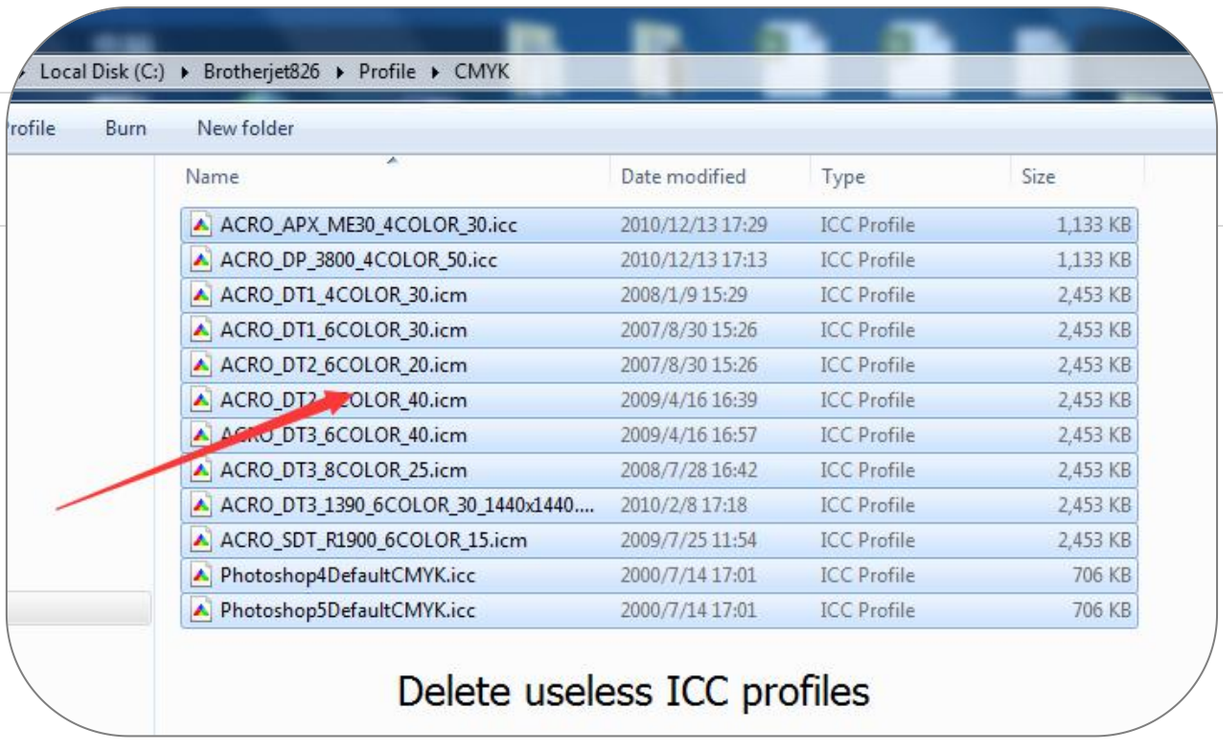


Welcome to artisJet

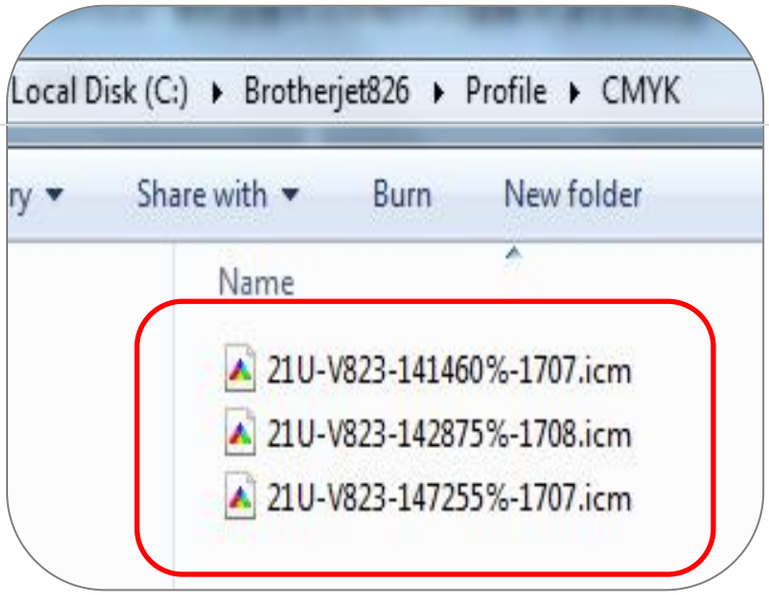
We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | **How to insert ICC profile**

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



Delete useless ICC profiles



Welcome to artisJet

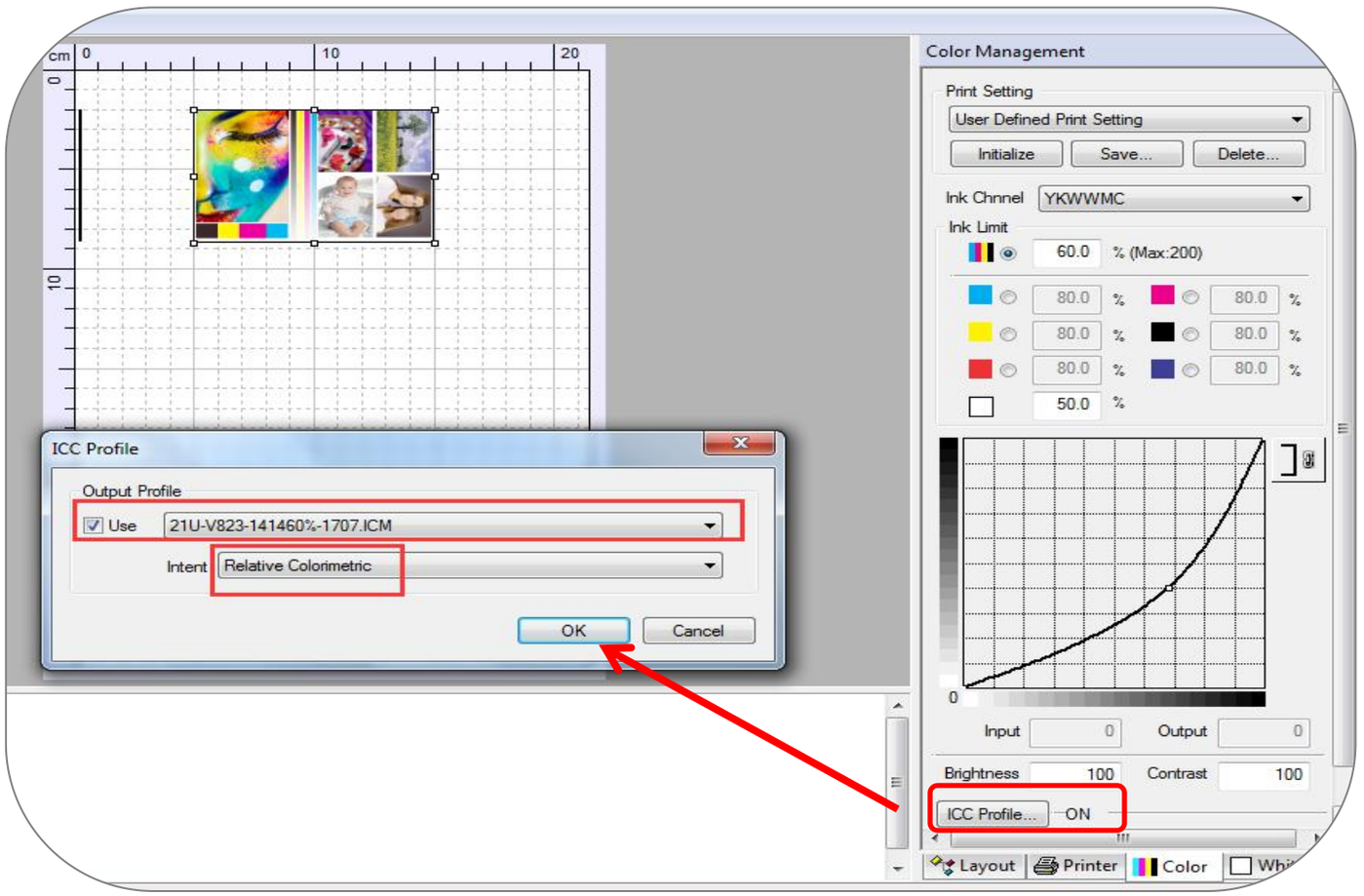
We are Taking Care of All about Your Print Experience

artis 2100U 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).**

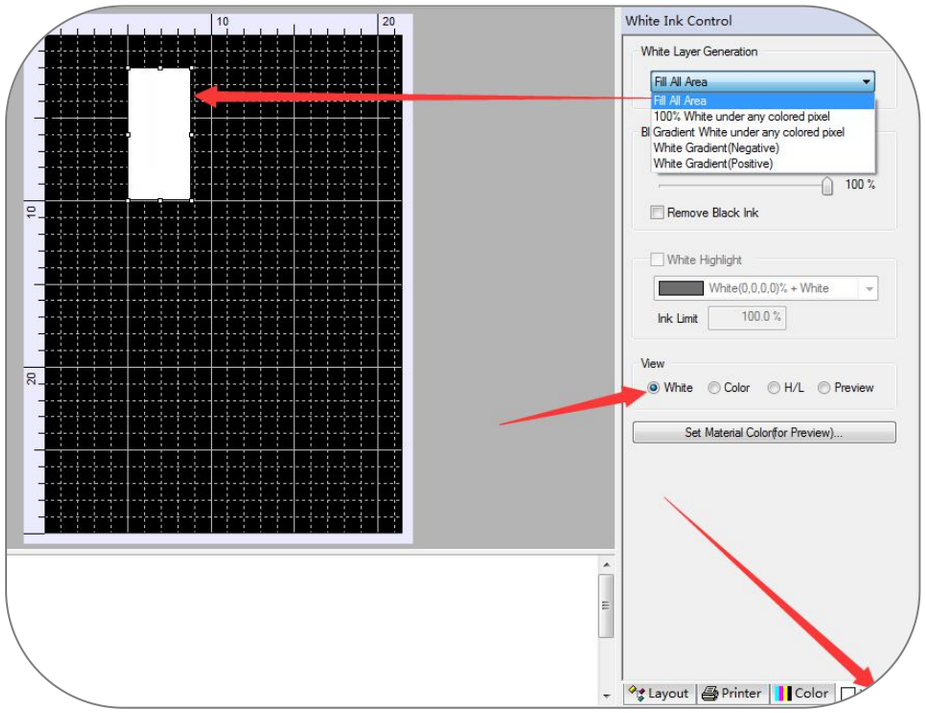


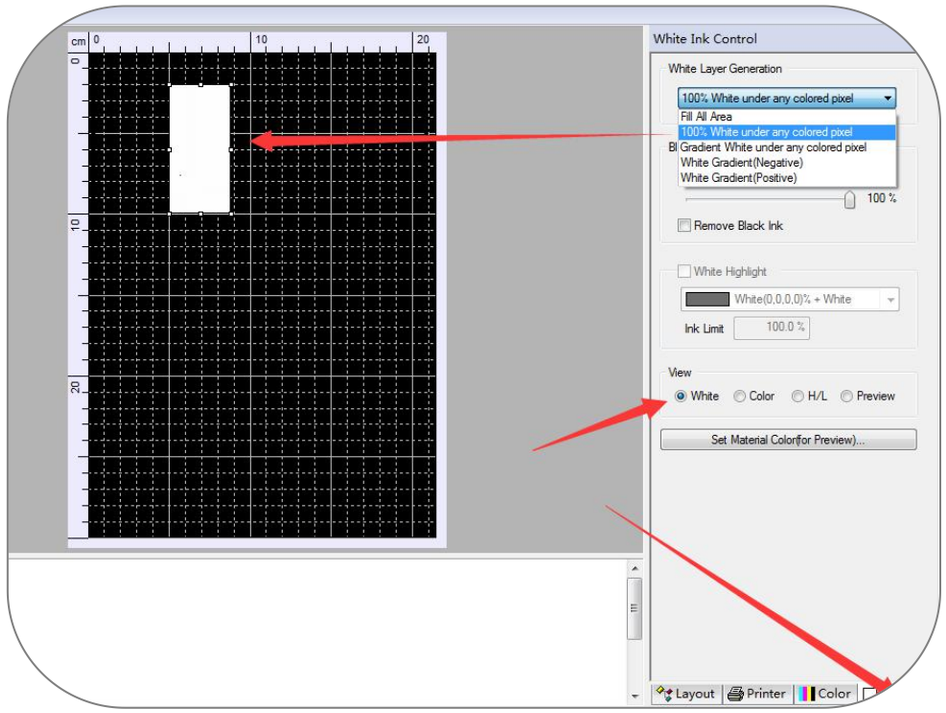
Welcome to artisJet

We are Taking Care of All about Your Print Experience

White Tab settings

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



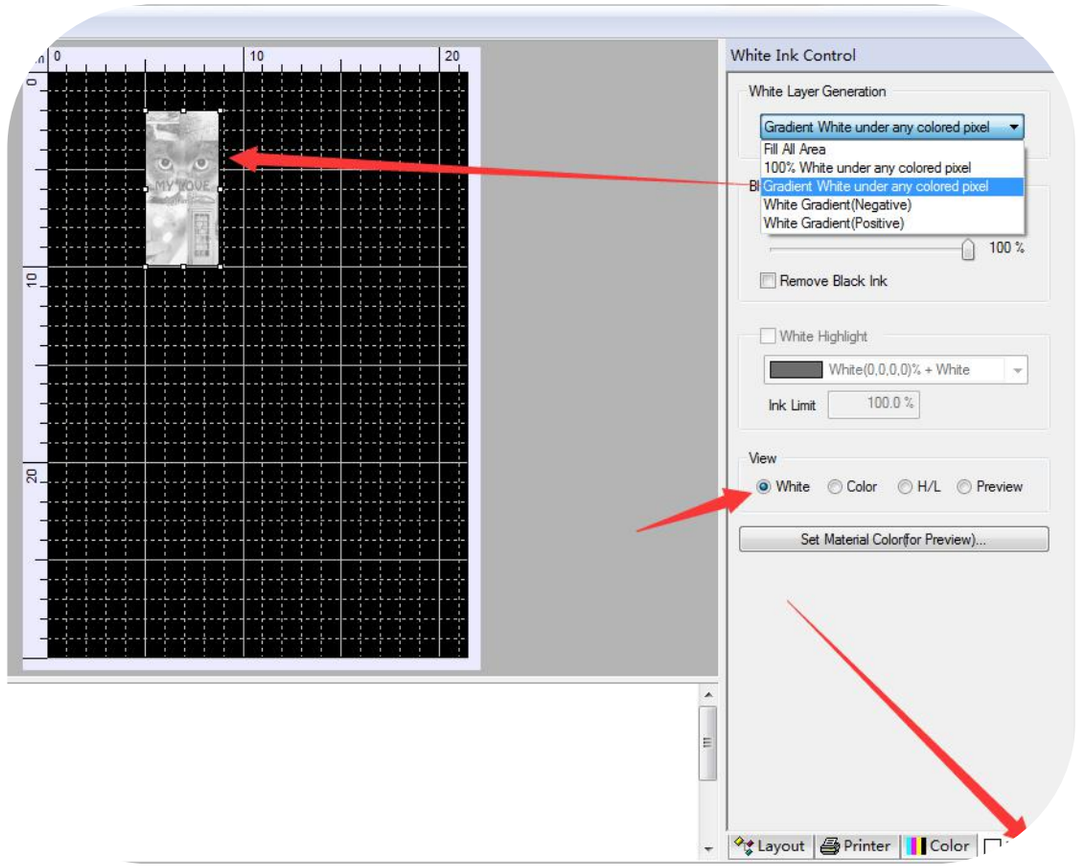


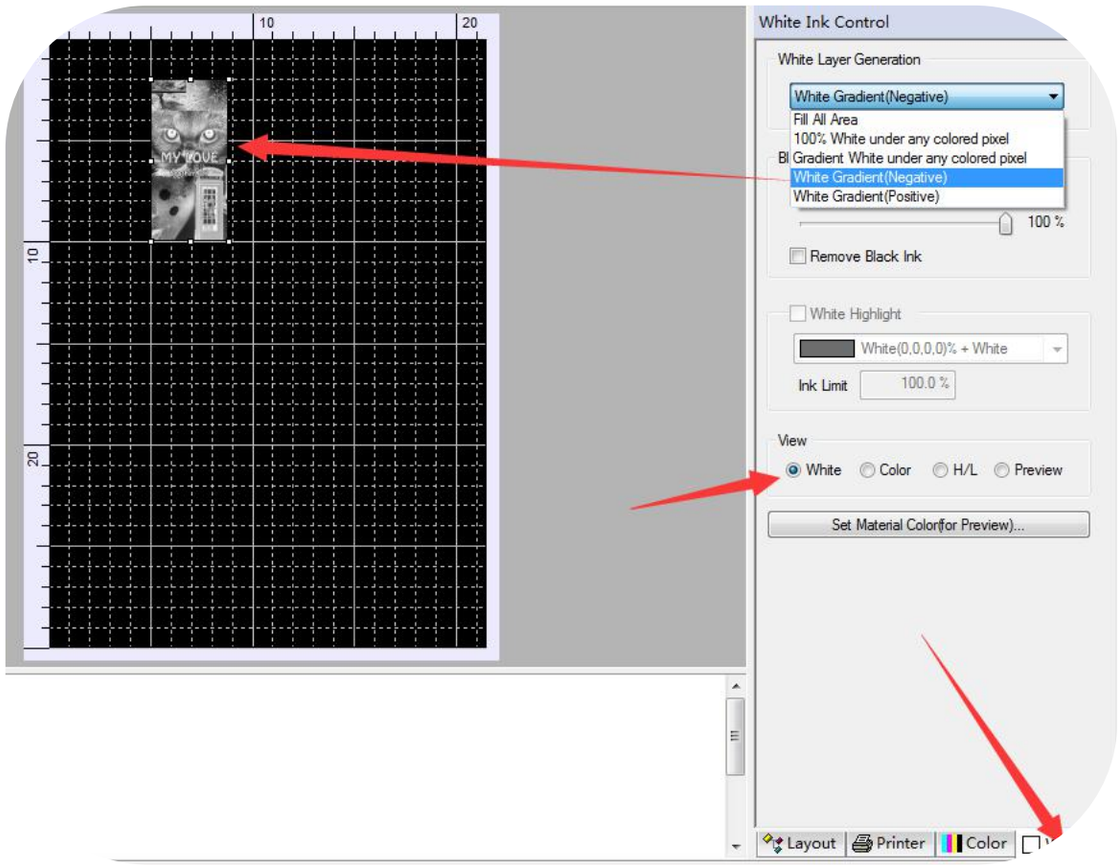
Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | White Tab

Different white modes for white ink print.



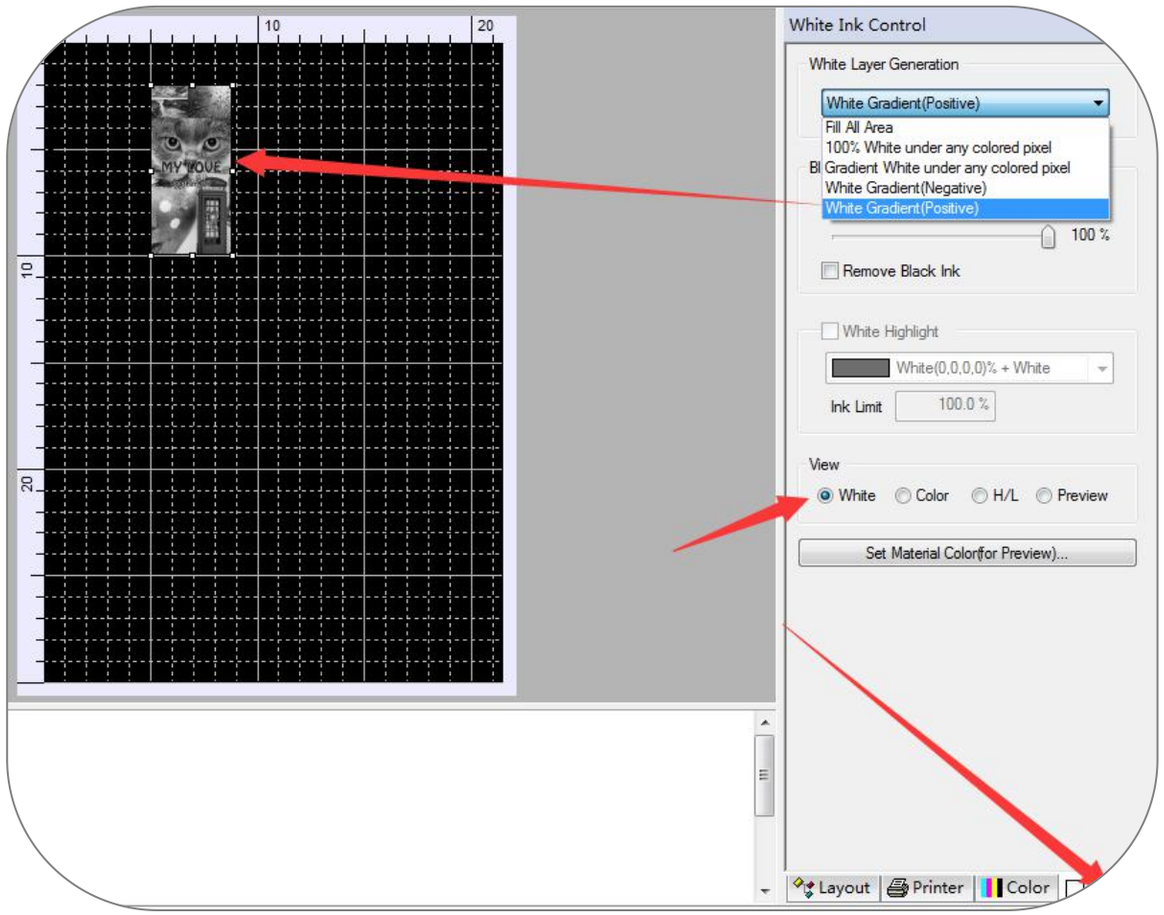


Welcome to artisJet

We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | White Tab

Different white modes for white ink print.



Welcome to artisJet

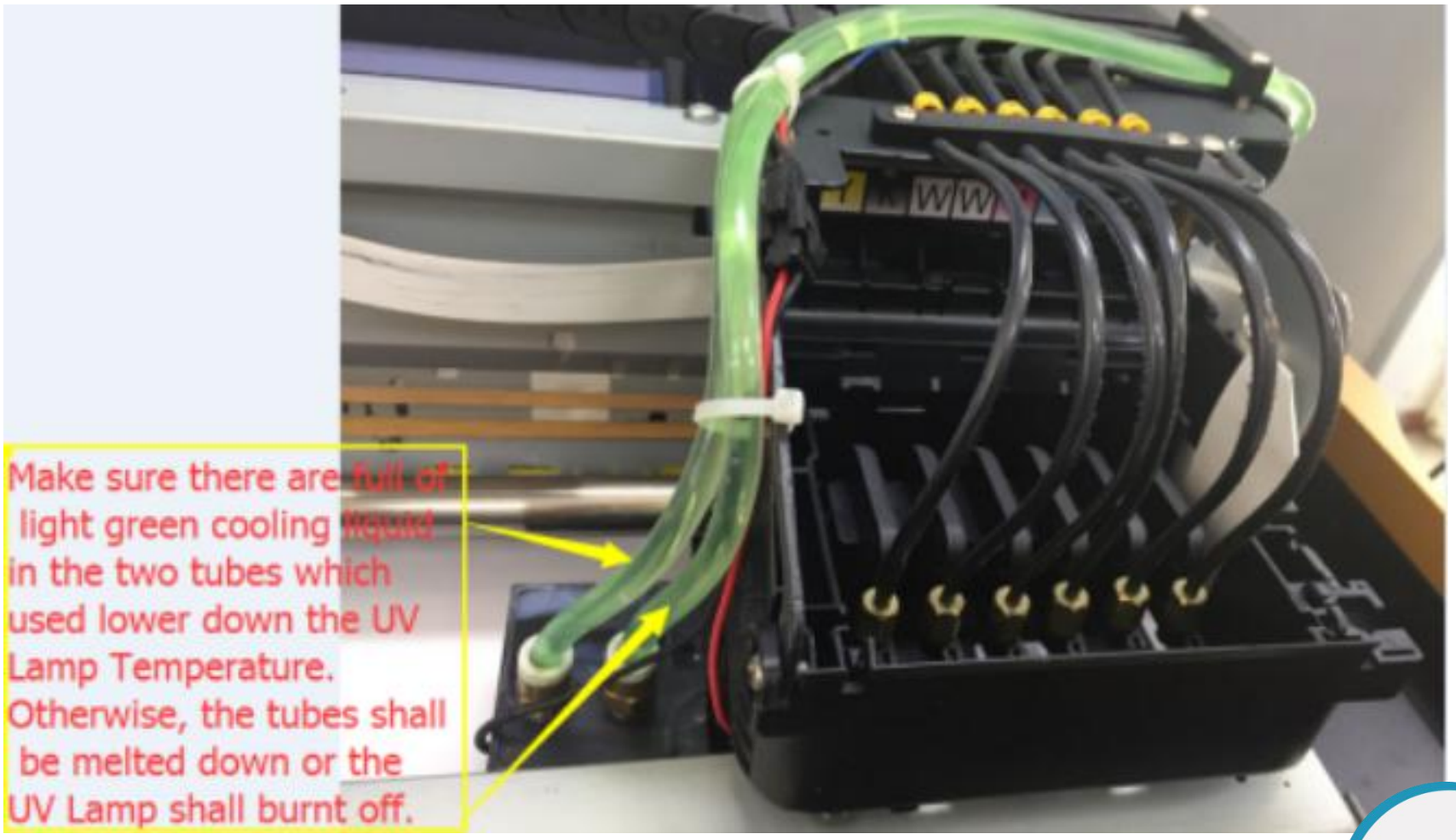
We are Taking Care of All about Your Print Experience

Press UVM button to turn on UV Cooling System

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







Welcome to artisJet

We are Taking Care of All about Your Print Experience

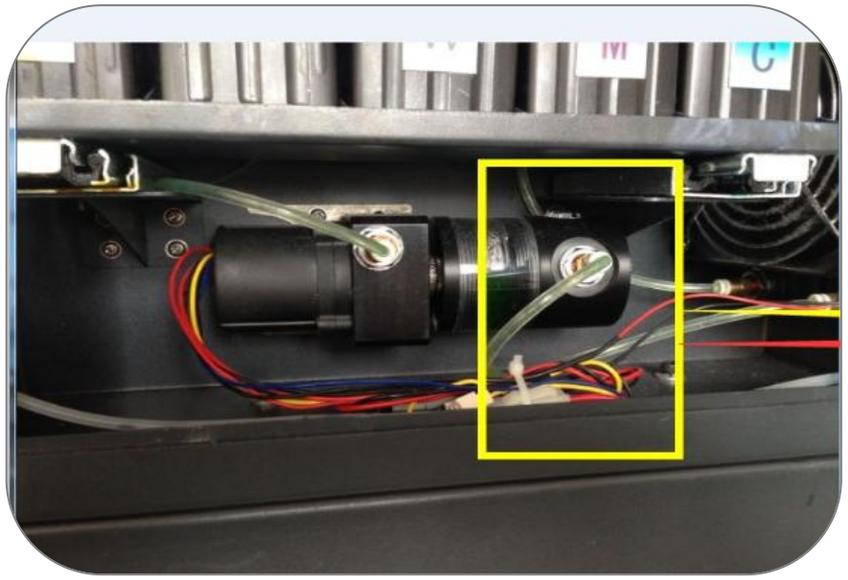
Check UV cooling fan and UV pump.

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.



UV cooling fan



UV pump position under ink bottles



UV pump

Welcome to artisJet

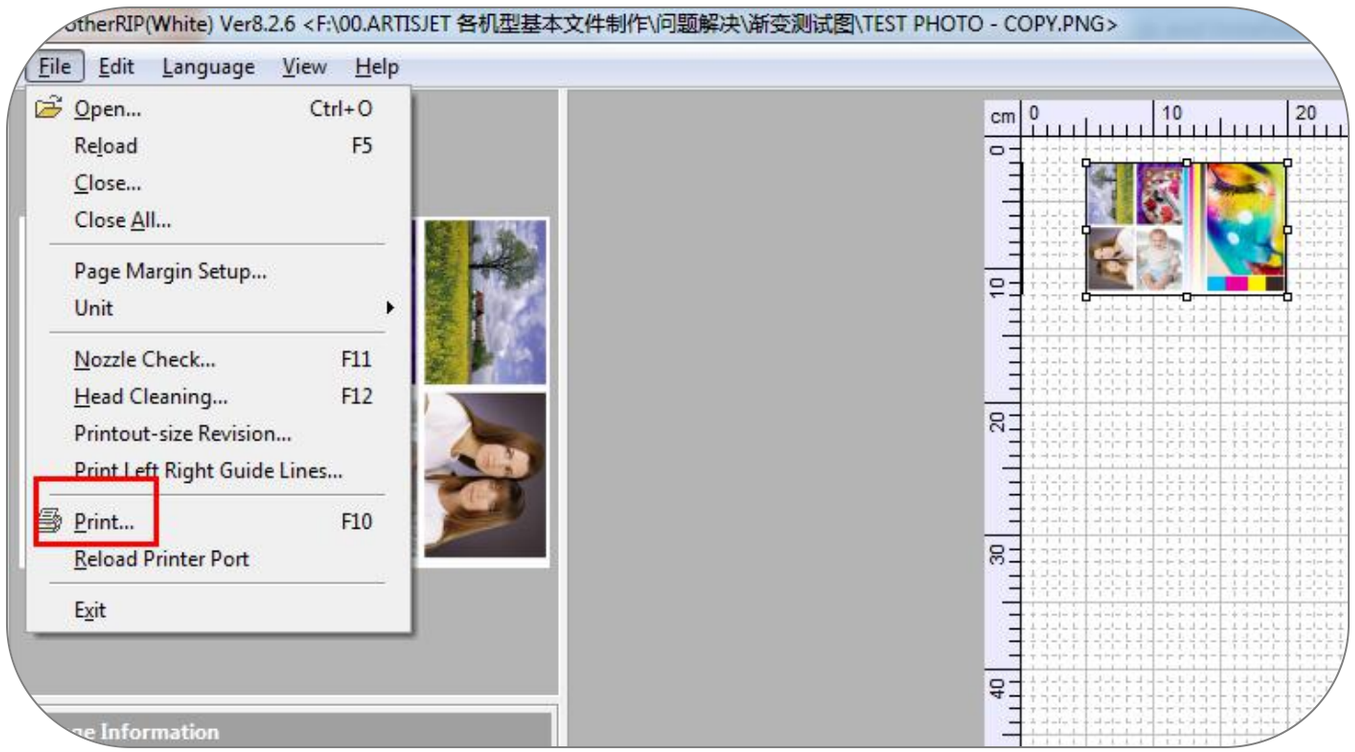
We are Taking Care of All about Your Print Experience

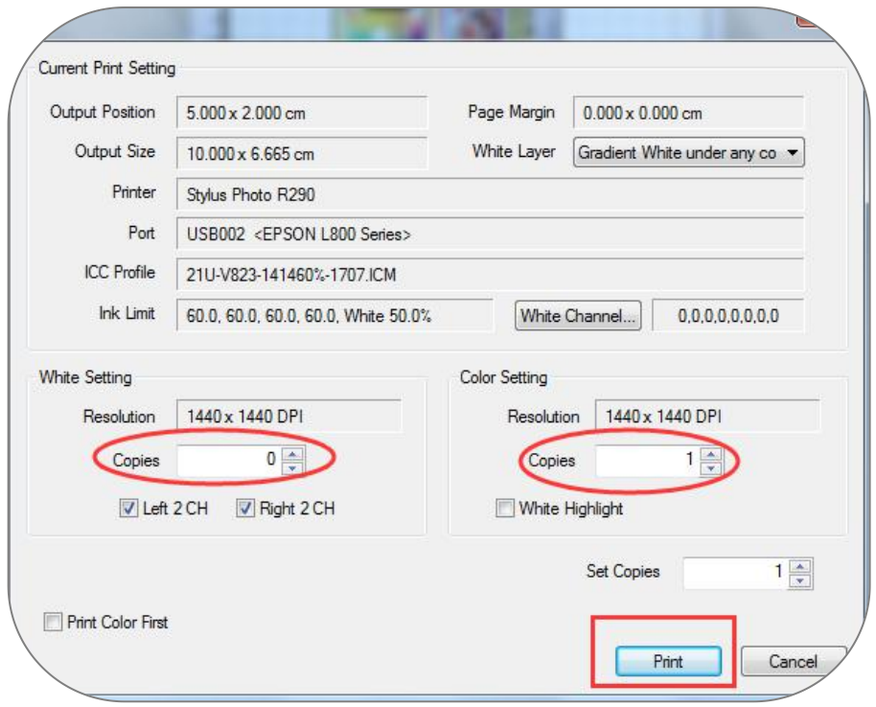
artis 2100U Set Up and Installation | Test Print before Fill Inks

The first time for Color Ink 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.





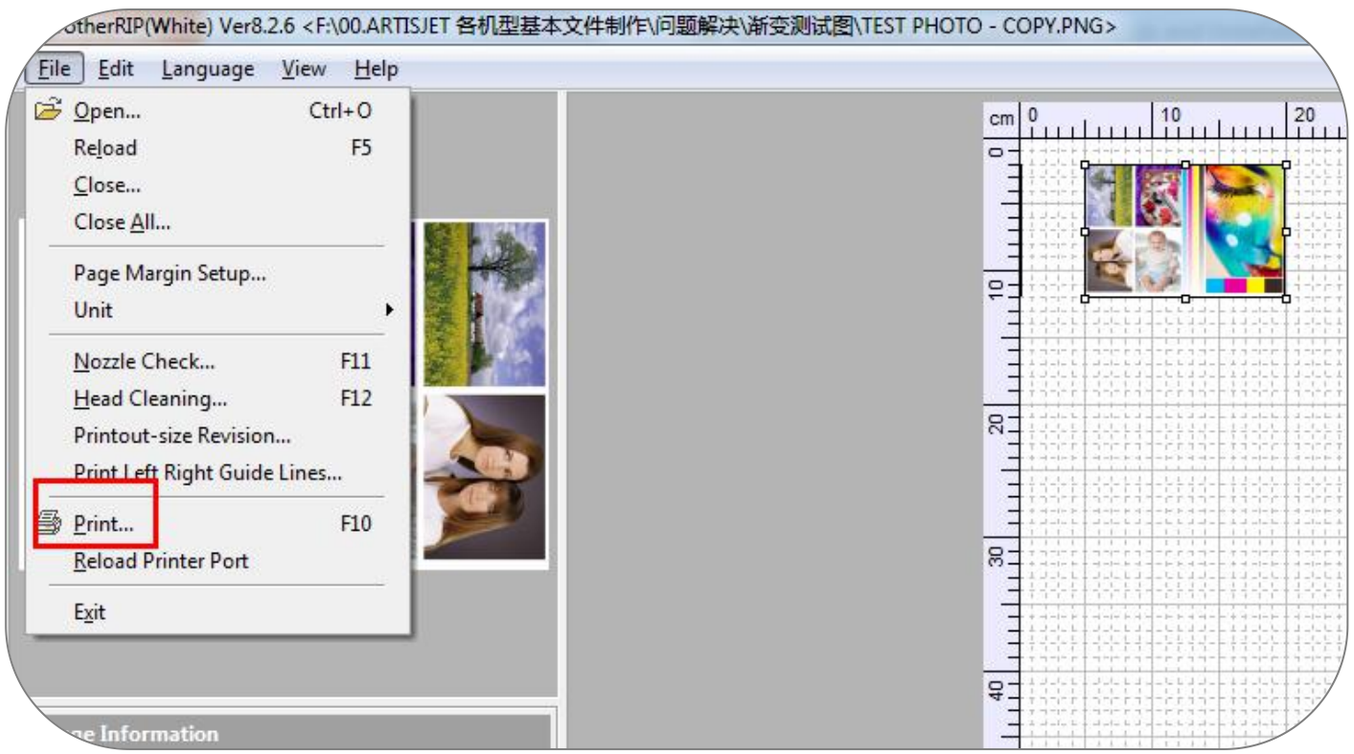
Welcome to artisJet

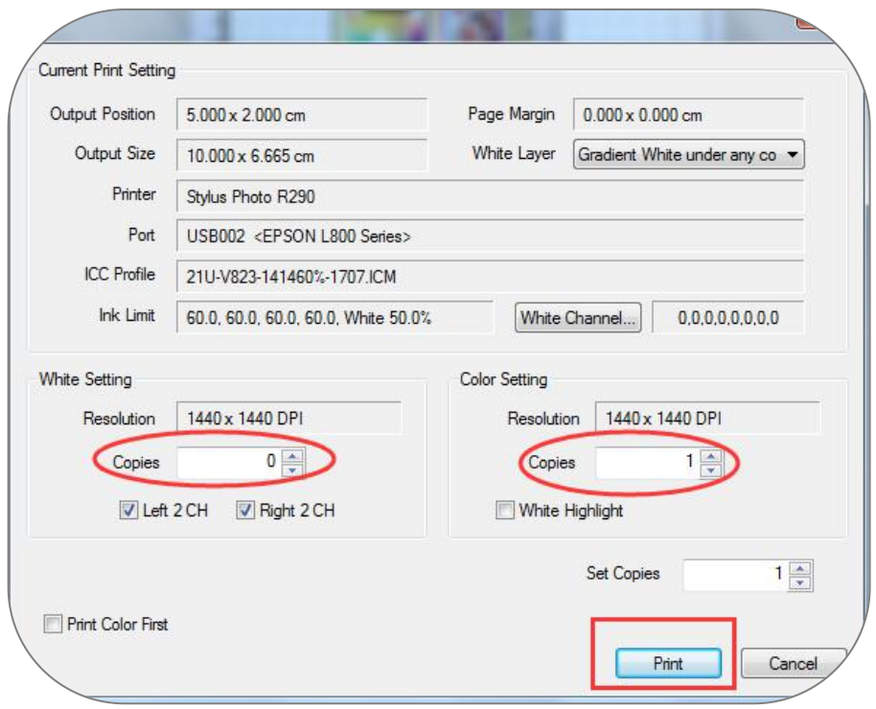
We are Taking Care of All about Your Print Experience

The second time for Color Ink 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.





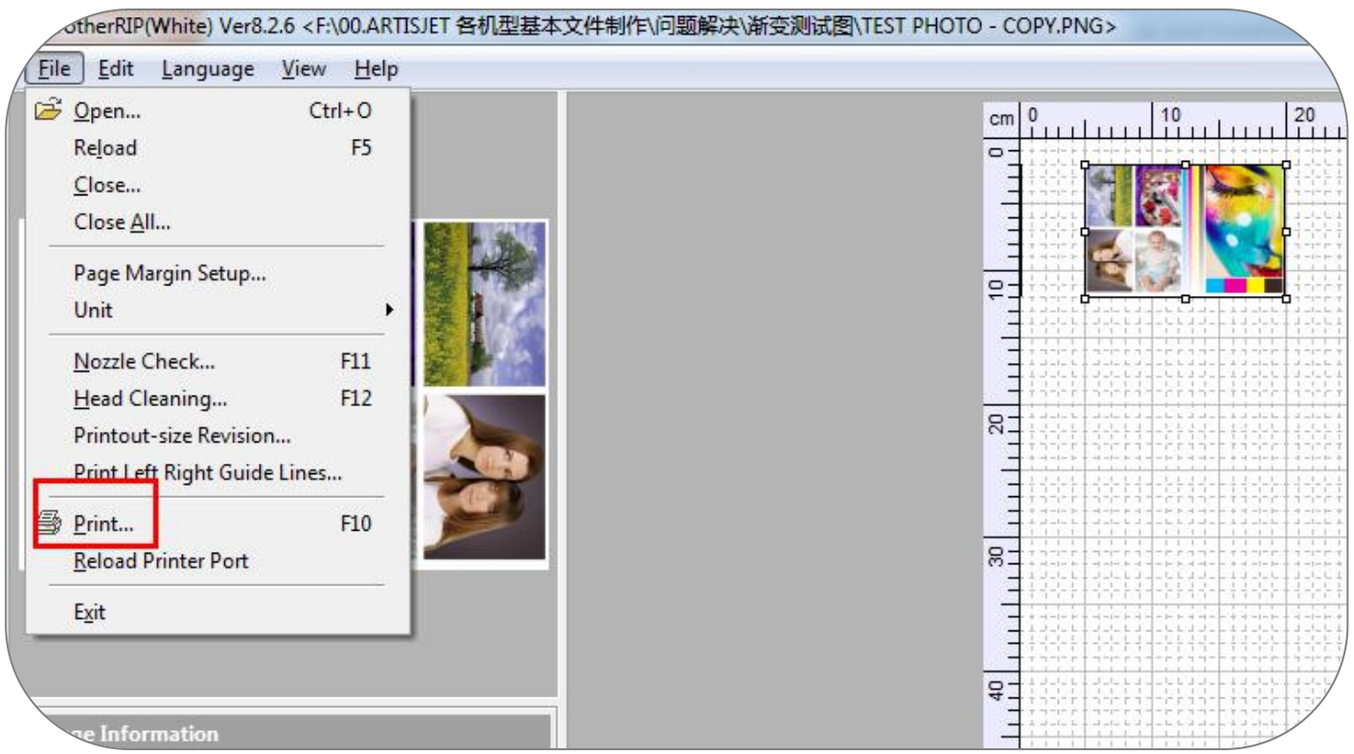
Welcome to artisJet

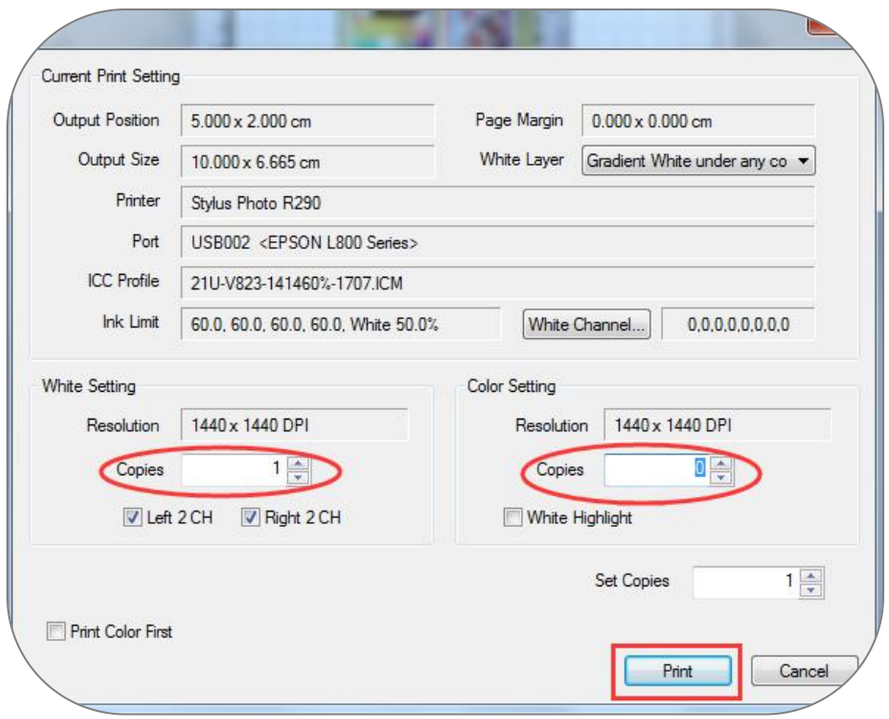
We are Taking Care of All about Your Print Experience

The first time for White InkPrinting Test

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

ENTER button to move back the table.





Welcome to artisJet

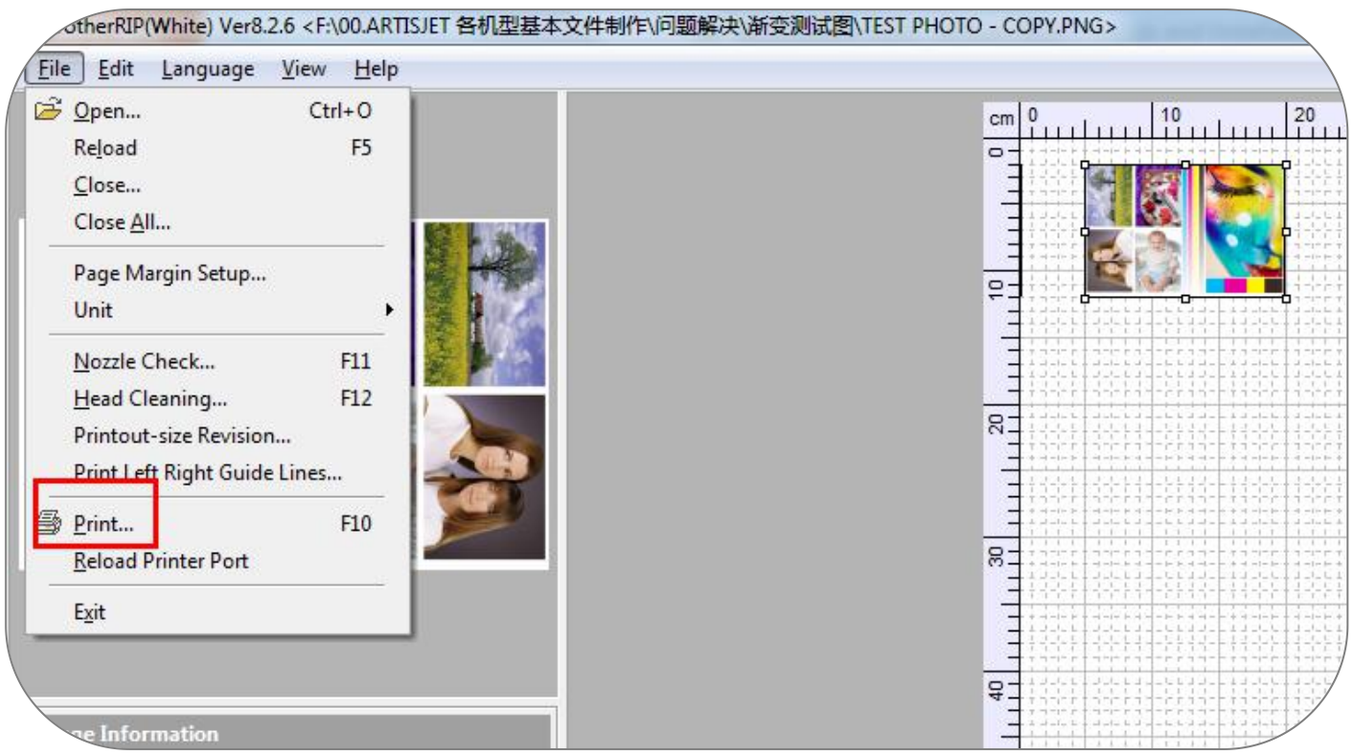
We are Taking Care of All about Your Print Experience

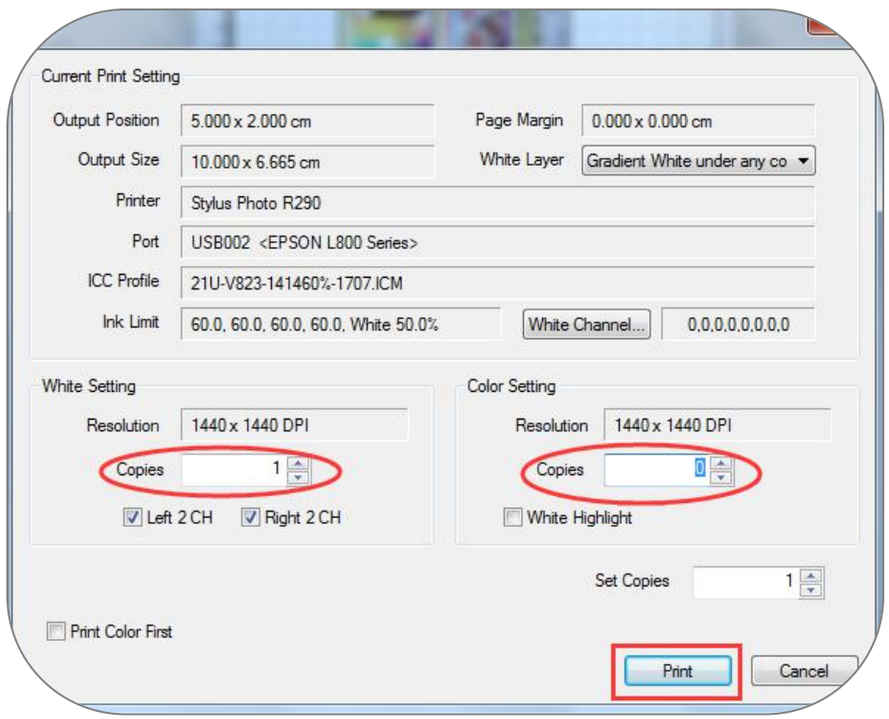
artis 2100U Set Up and Installation | Test Print before Fill Inks

The second time for White Ink 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.





Welcome to artisJet

We are Taking Care of All about Your Print Experience

Ink Filling

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

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





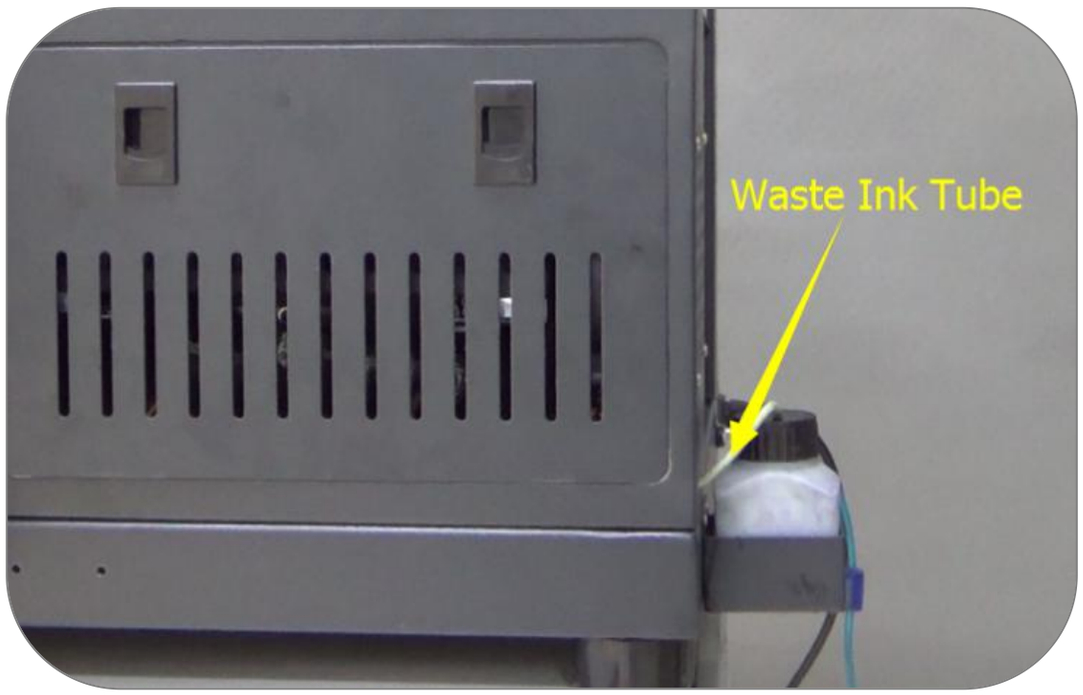
Welcome to artisJet

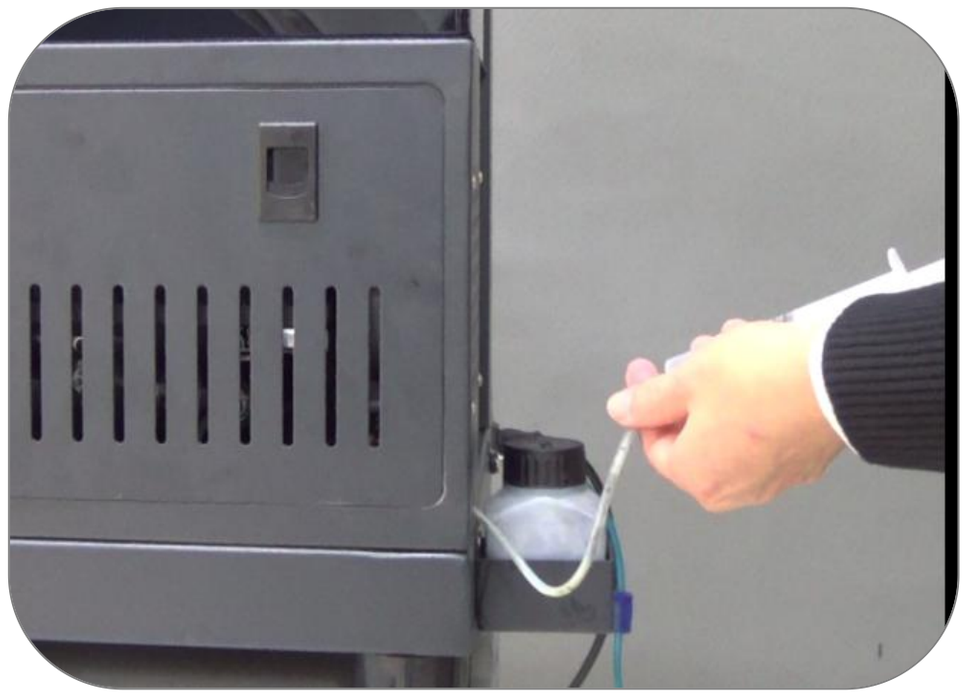
We are Taking Care of All about Your Print Experience

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.





Welcome to artisJet

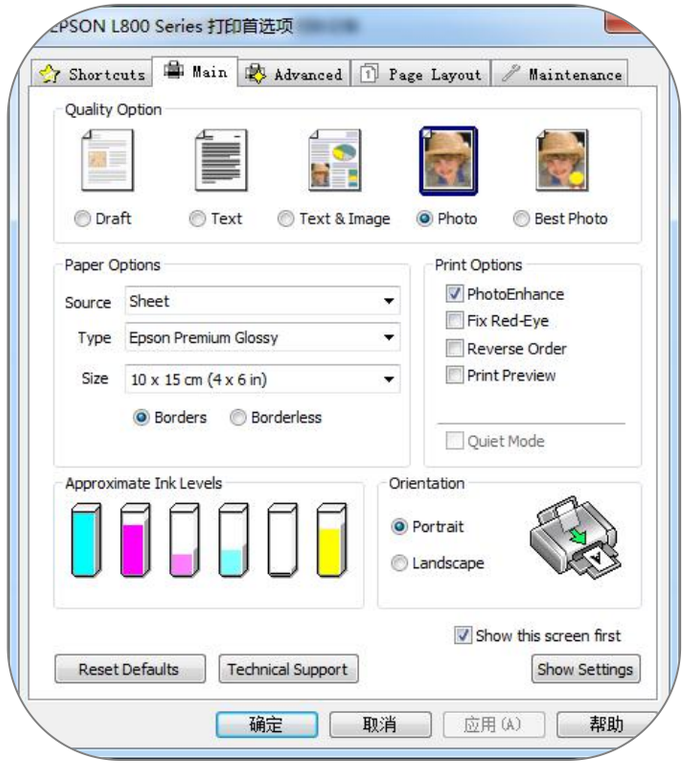
We are Taking Care of All about Your Print Experience

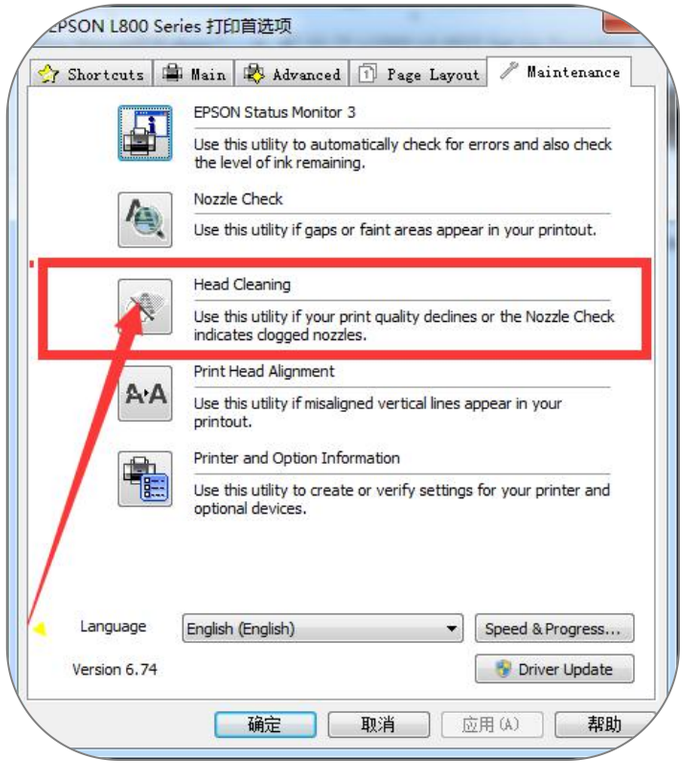
artis 2100U Set Up and Installation | Auto Head Cleaning

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





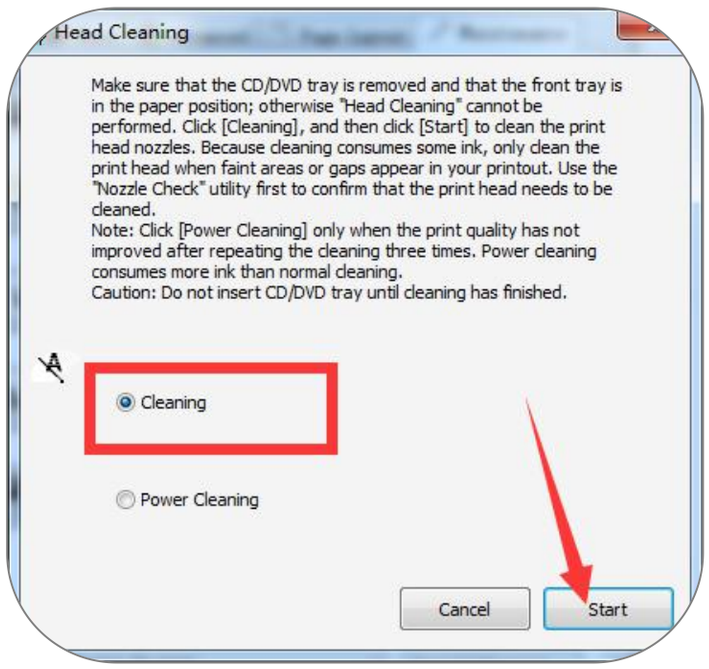


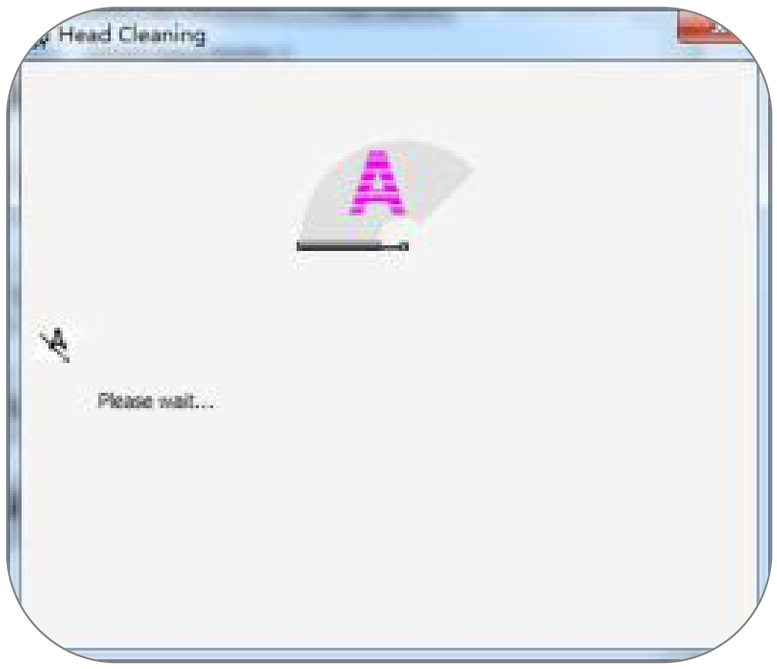
Welcome to artisJet

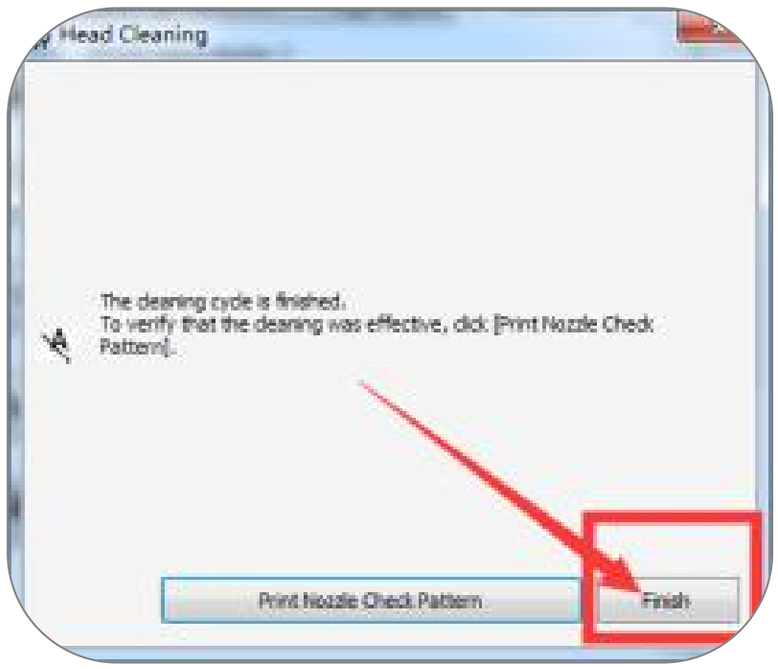
We are Taking Care of All about Your Print Experience

artis 2100U Set Up and Installation | Auto Head Cleaning

Head Cleaning through the Printer Driver in Computer







Welcome to artisJet

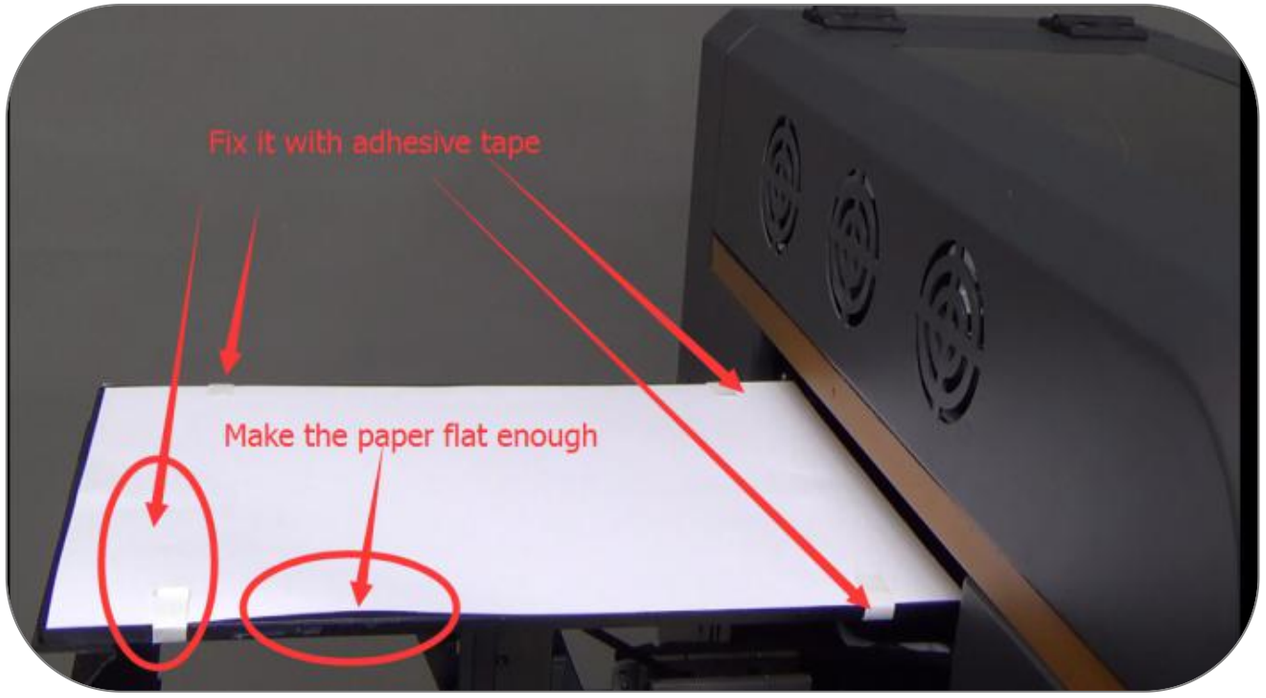
We are Taking Care of All about Your Print Experience

Nozzle Check for Color Inks

Press FORE button and moves out the flatbed.



Place and fix a white paper on the flatbed.

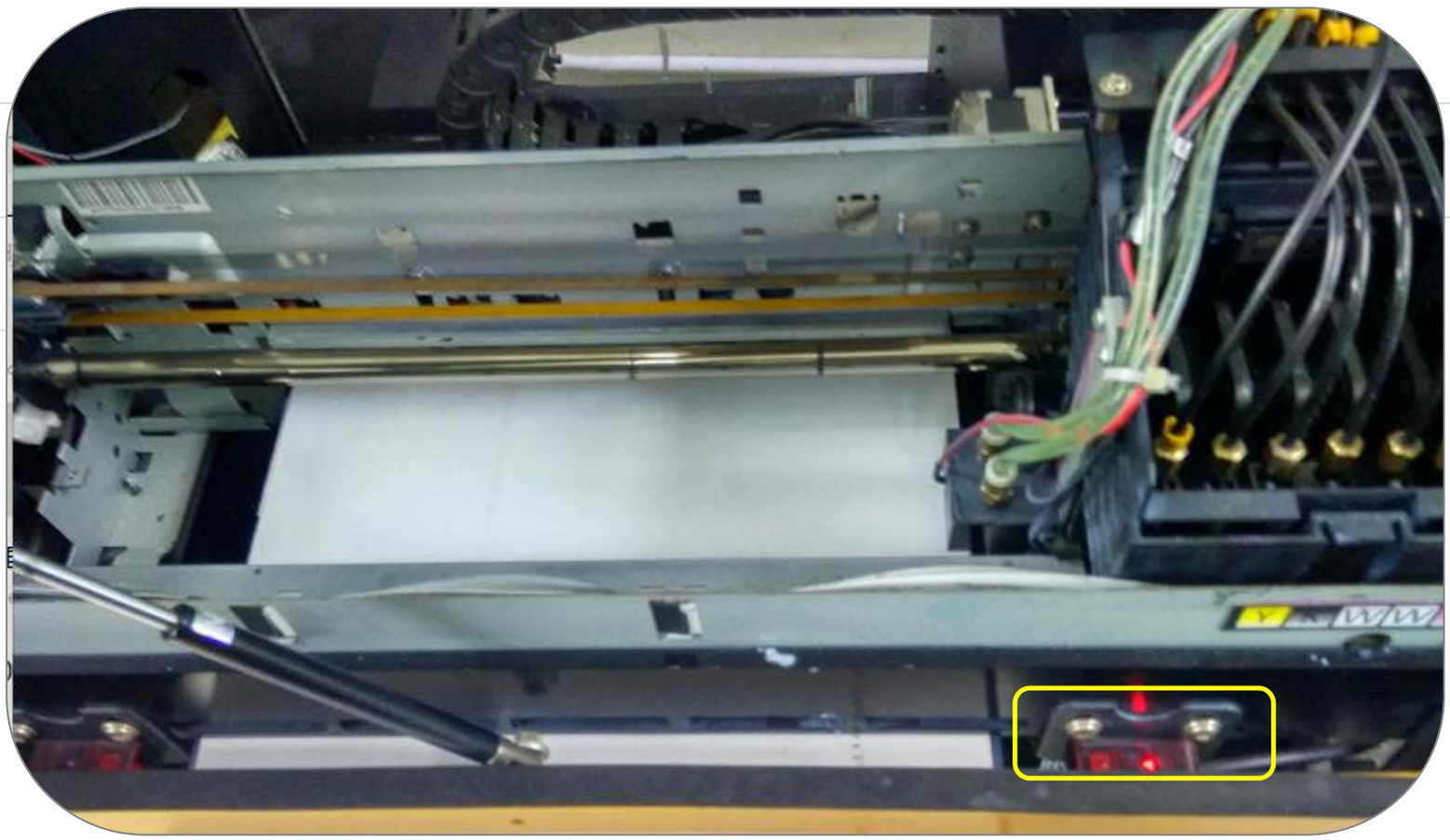


Welcome to artisJet

We are Taking Care of All about Your Print Experience

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.



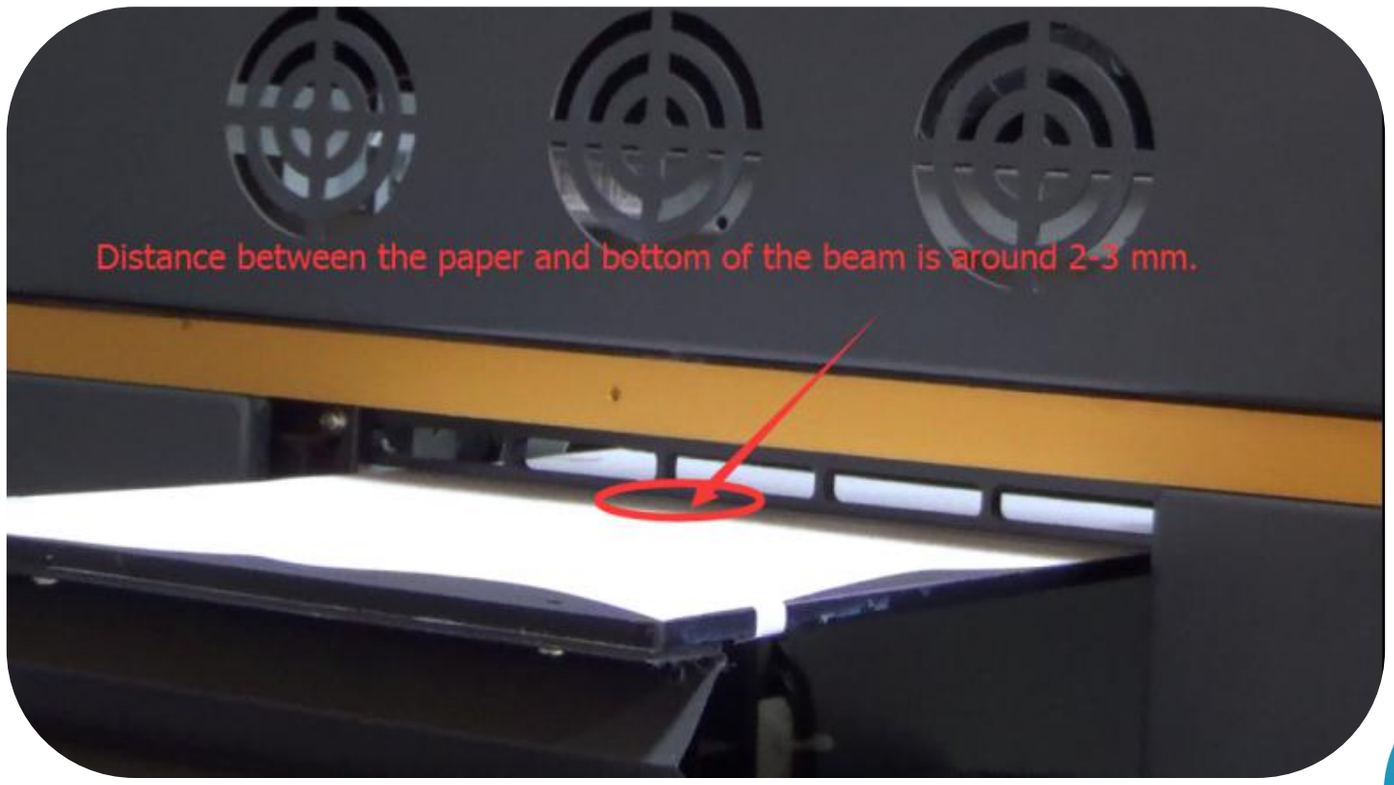
The function of height sensors: it is to warn the distance is too high if sensor light is on, so we need to press down button one or two times to see light off.

Welcome to artisJet

We are Taking Care of All about Your Print Experience

Nozzle Check for Color Inks (For how to adjust printing distance, please refer to video)

Press Forward button and moves out the flatbed. 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.



Welcome to artisJet

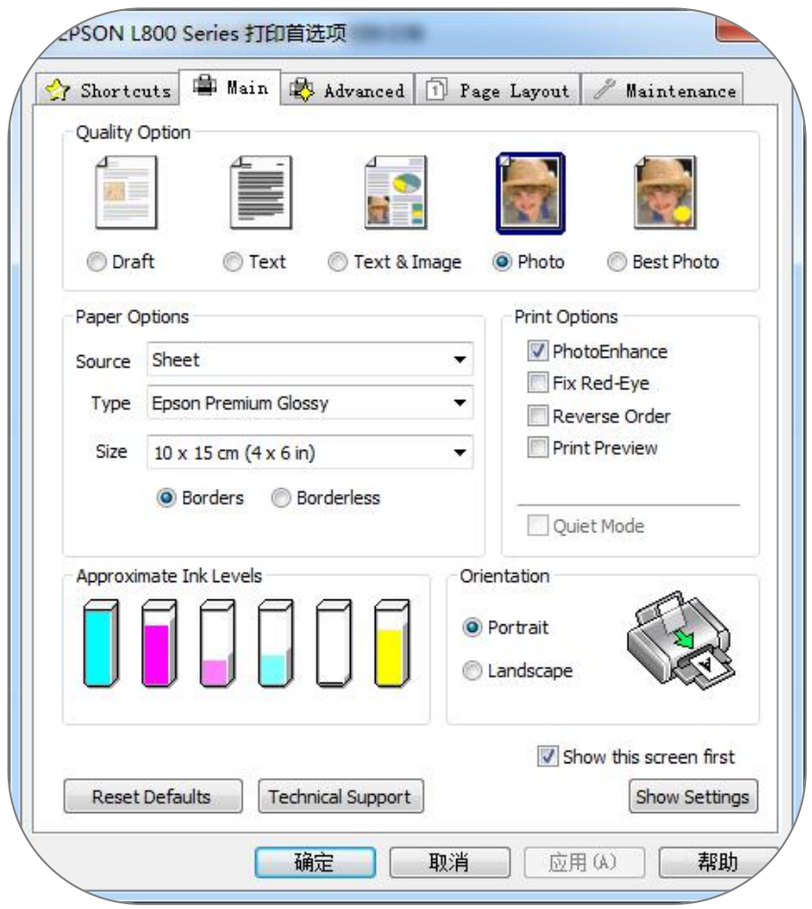
We are Taking Care of All about Your Print Experience

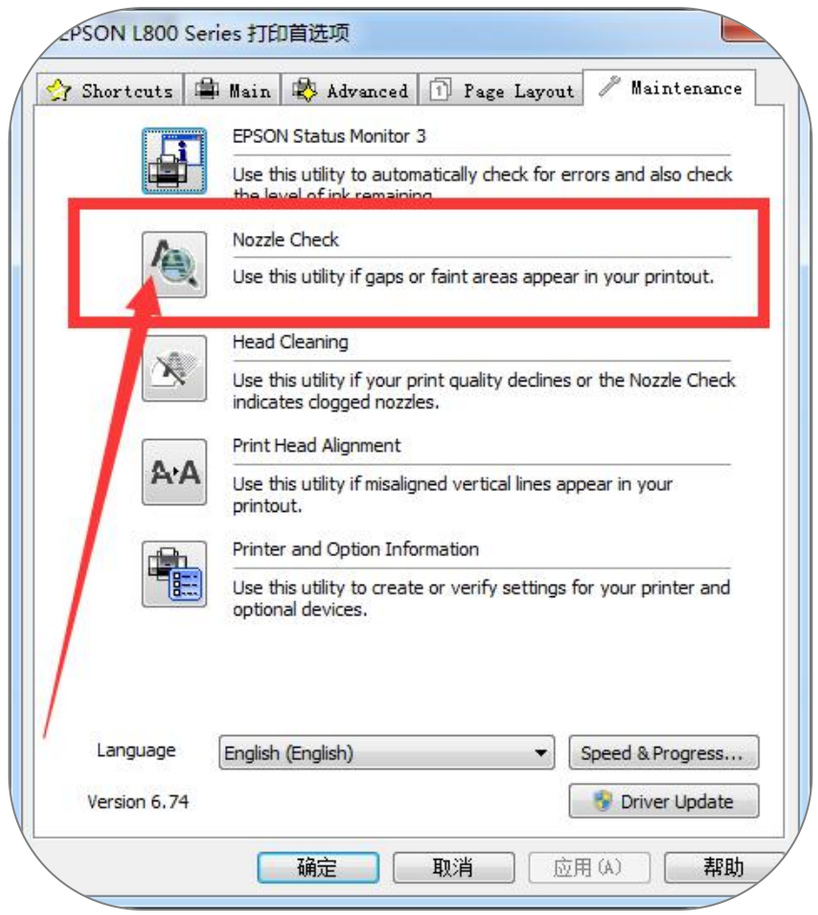
artis 2100U Set Up and Installation | **Nozzle Check**

Nozzle Check for Color Inks

Nozzle check command sending through the driver in the computer.





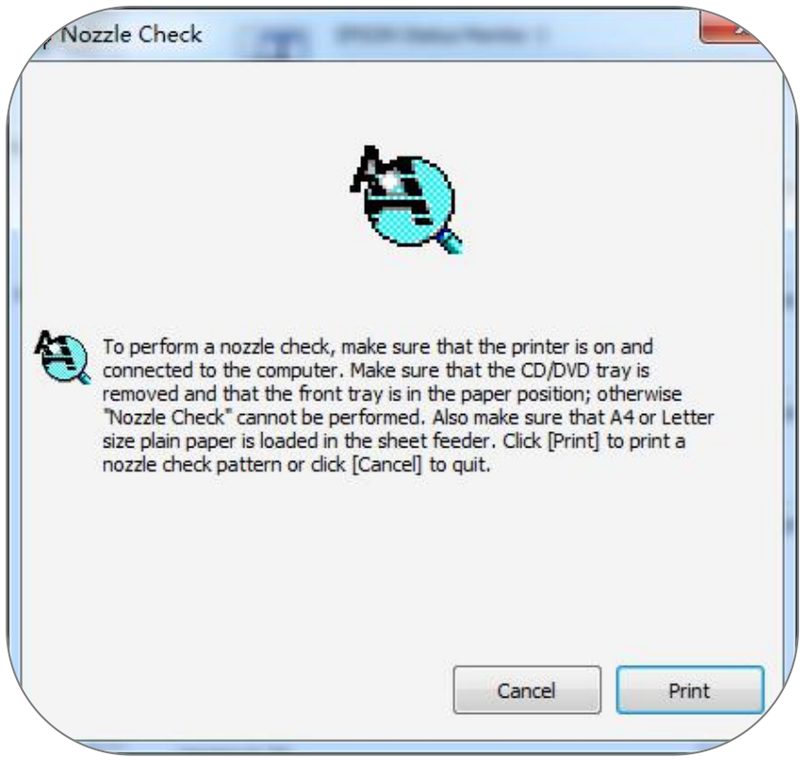


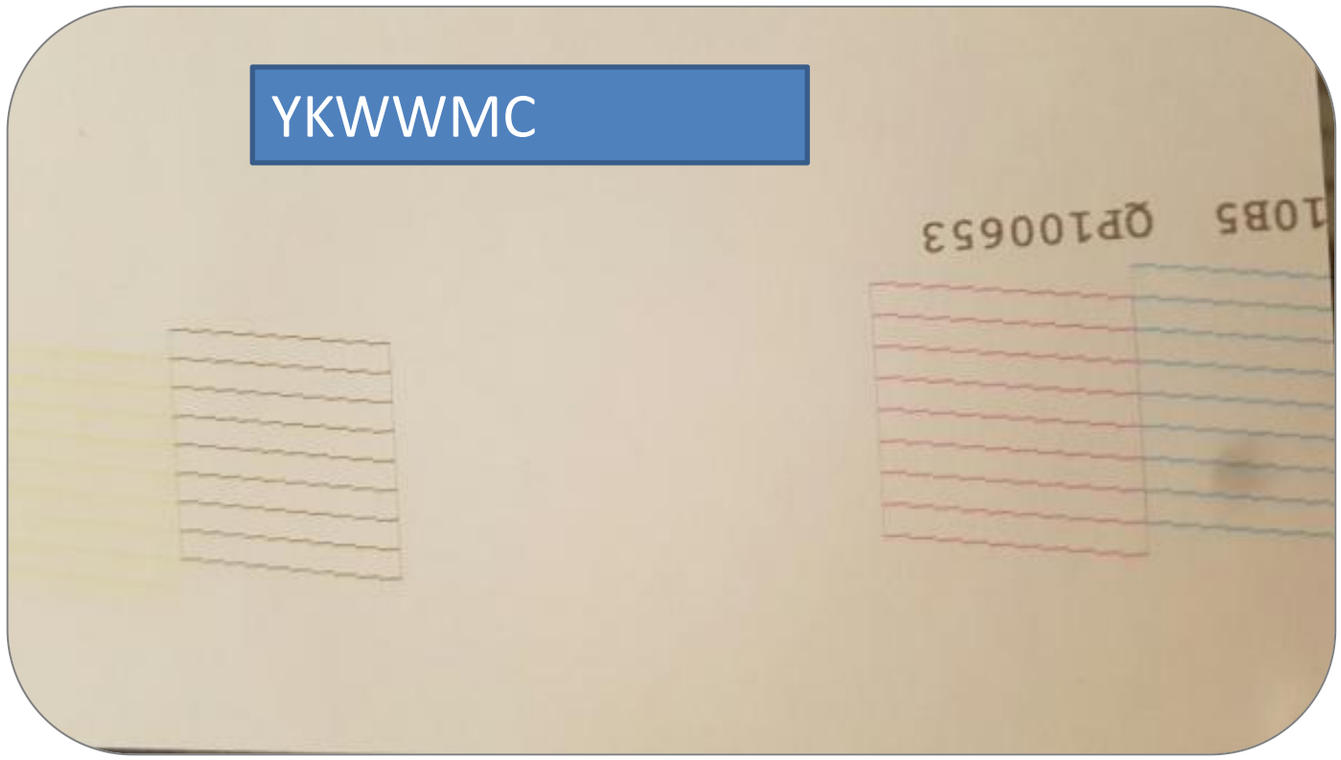
Welcome to artisJet

We are Taking Care of All about Your Print Experience

Nozzle Check for Color Inks

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



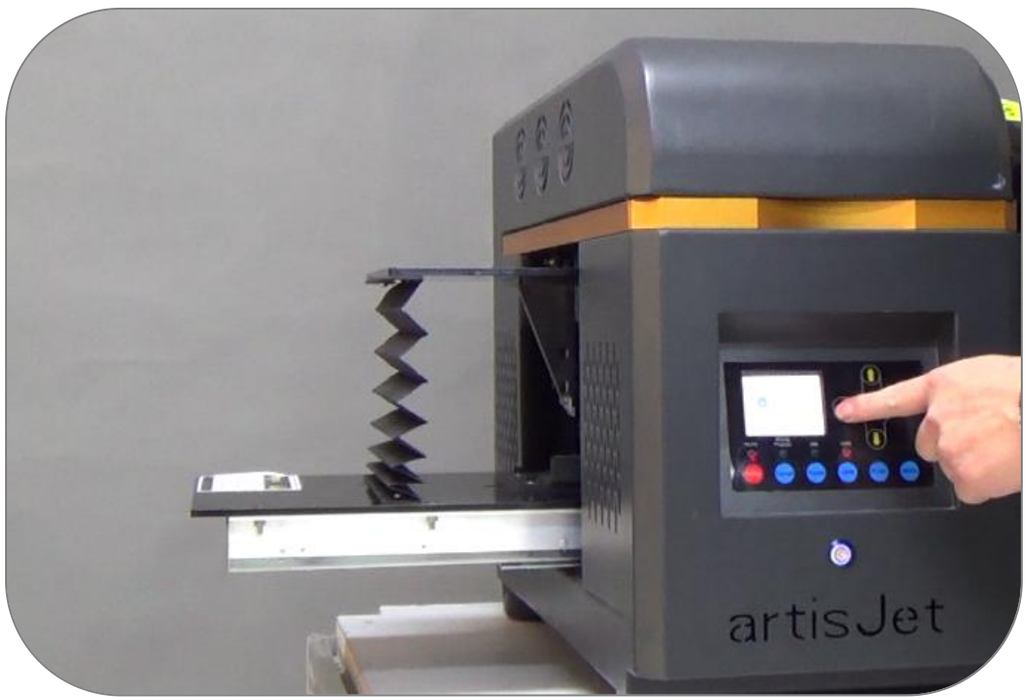


Welcome to artisJet

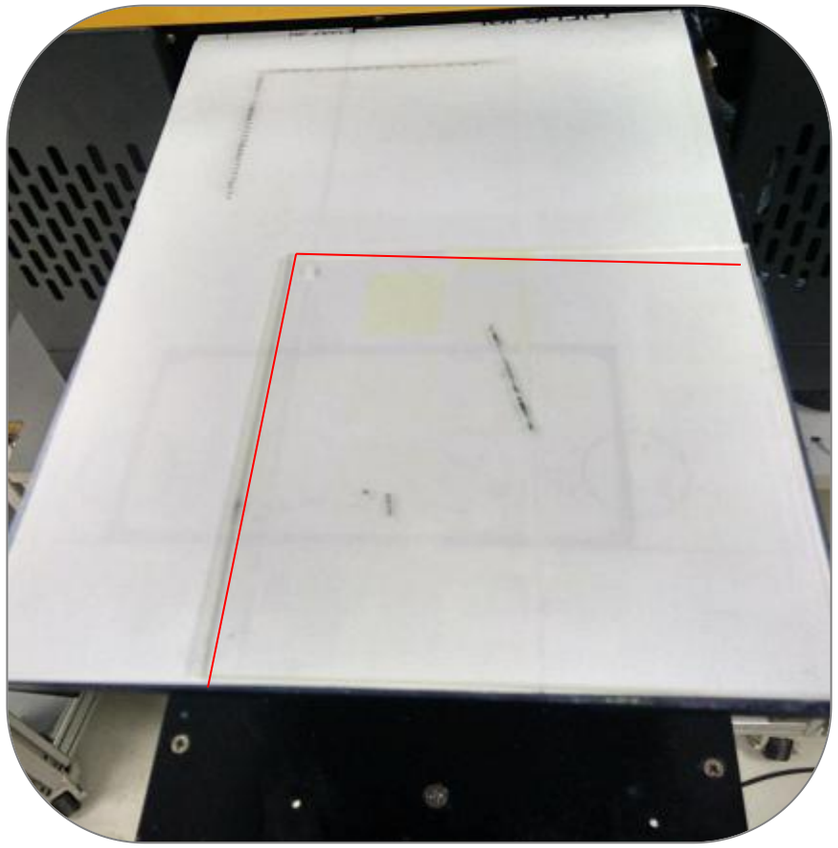
We are Taking Care of All about Your Print Experience

Nozzle Check for White Ink on transparent board

Press FORE button and moves out the flatbed.



Place and fix a black or transparent material on on the Adhesive material.



Welcome to artisJet

We are Taking Care of All about Your Print Experience

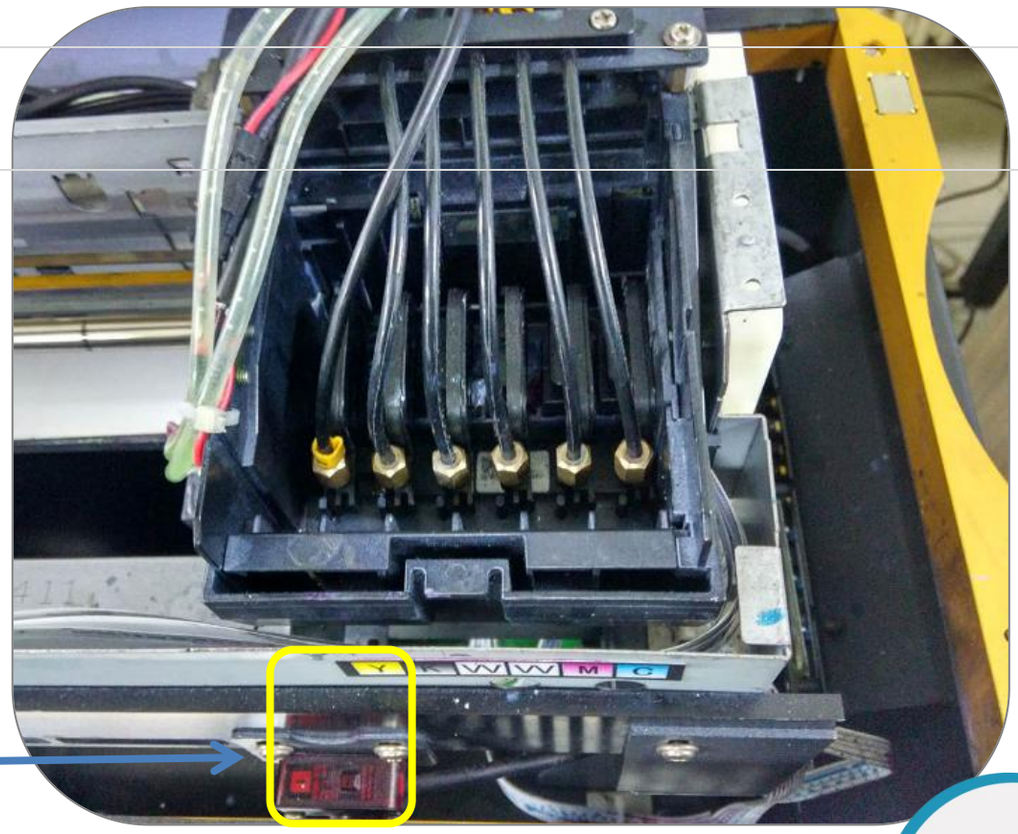
Please notice the height sensors can not work for transparent material.

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.





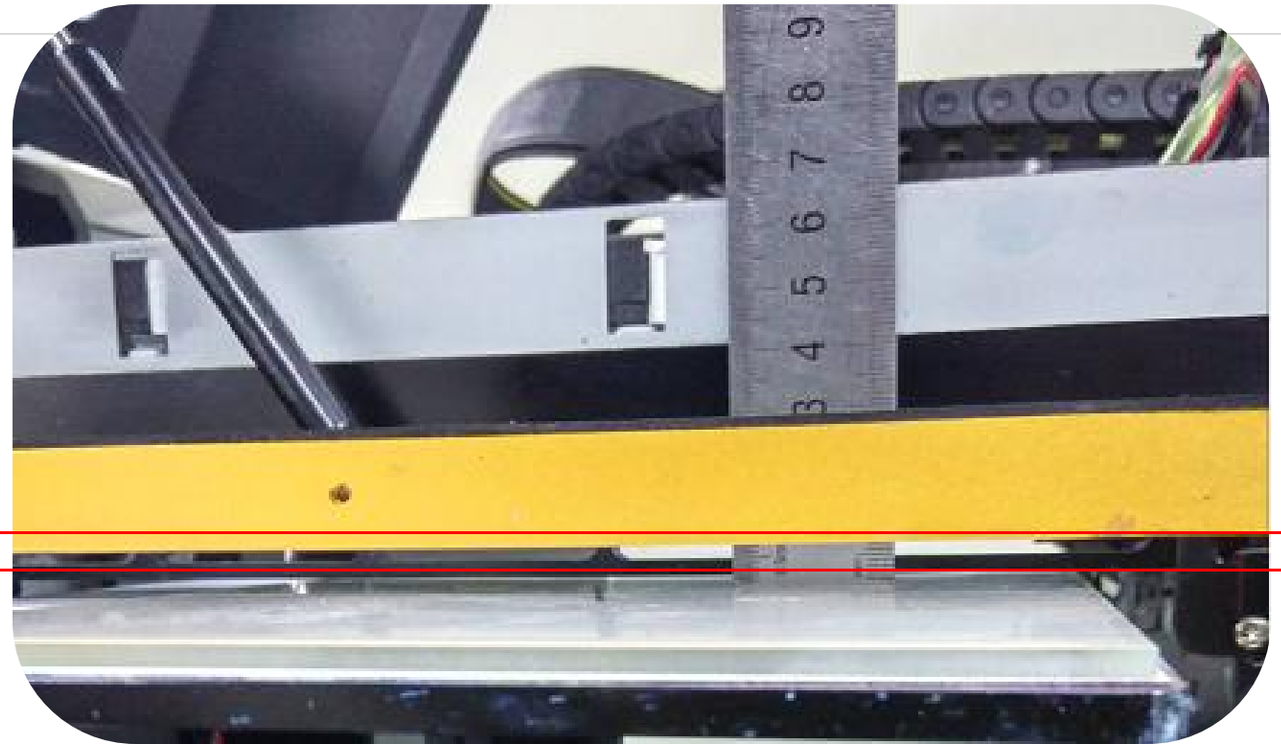
Welcome to artisJet

We are Taking Care of All about Your Print Experience

Nozzle Check for White Ink on transparent board

(For adjust printing distance, please refer to video.)

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.



Welcome to artisJet

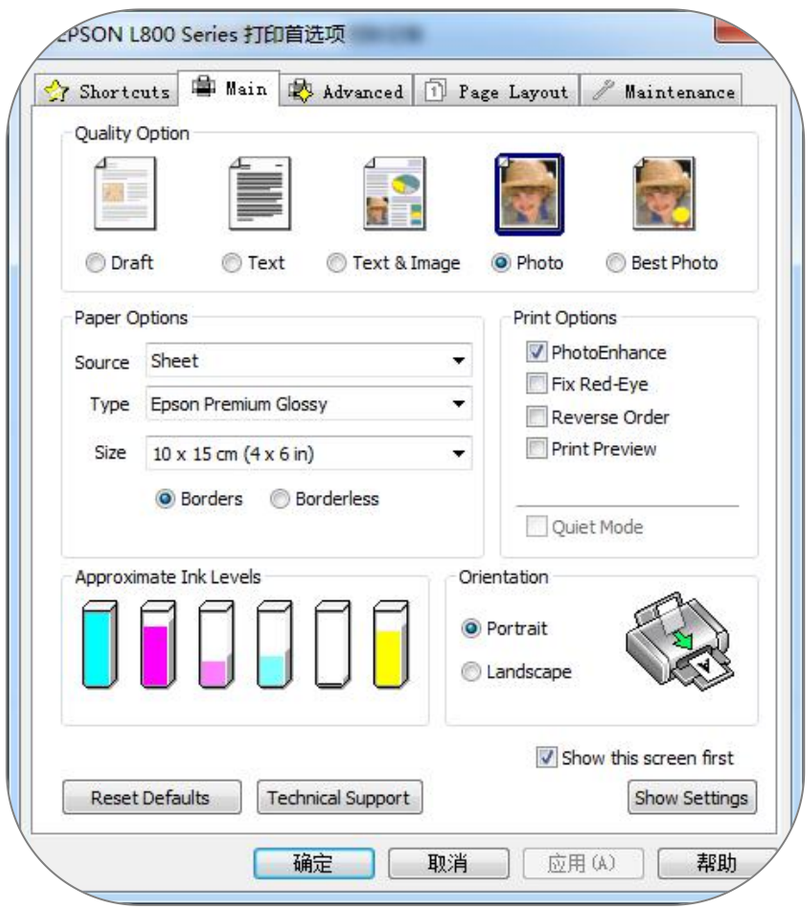
We are Taking Care of All about Your Print Experience

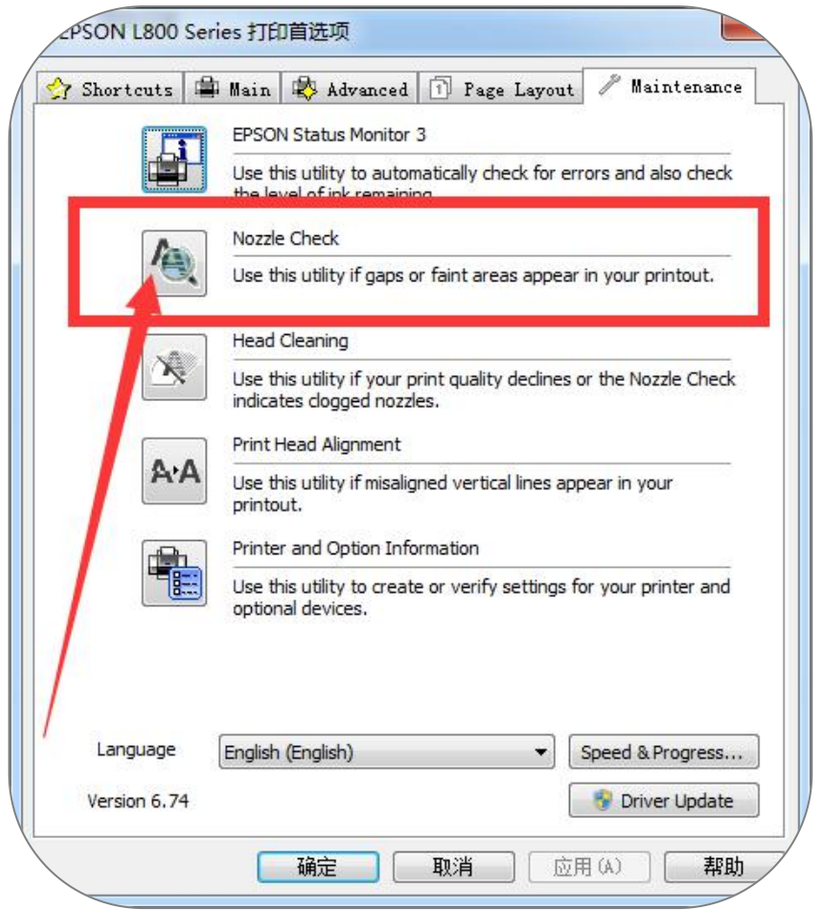
artis 2100U Set Up and Installation | **Nozzle Check**

Nozzle Check for White Ink on transparent board

Nozzle check command sending through the driver in the computer.





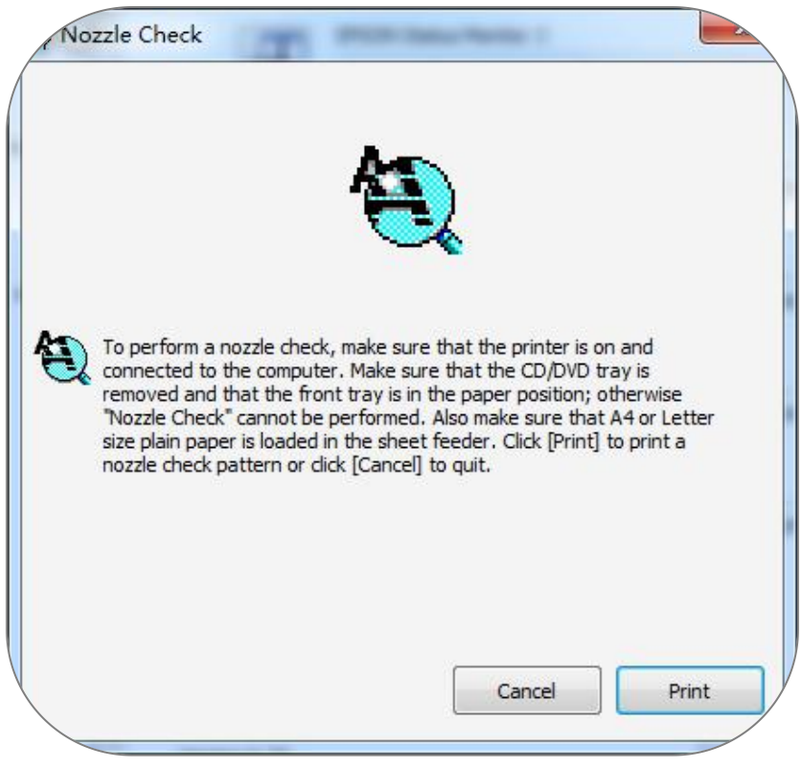


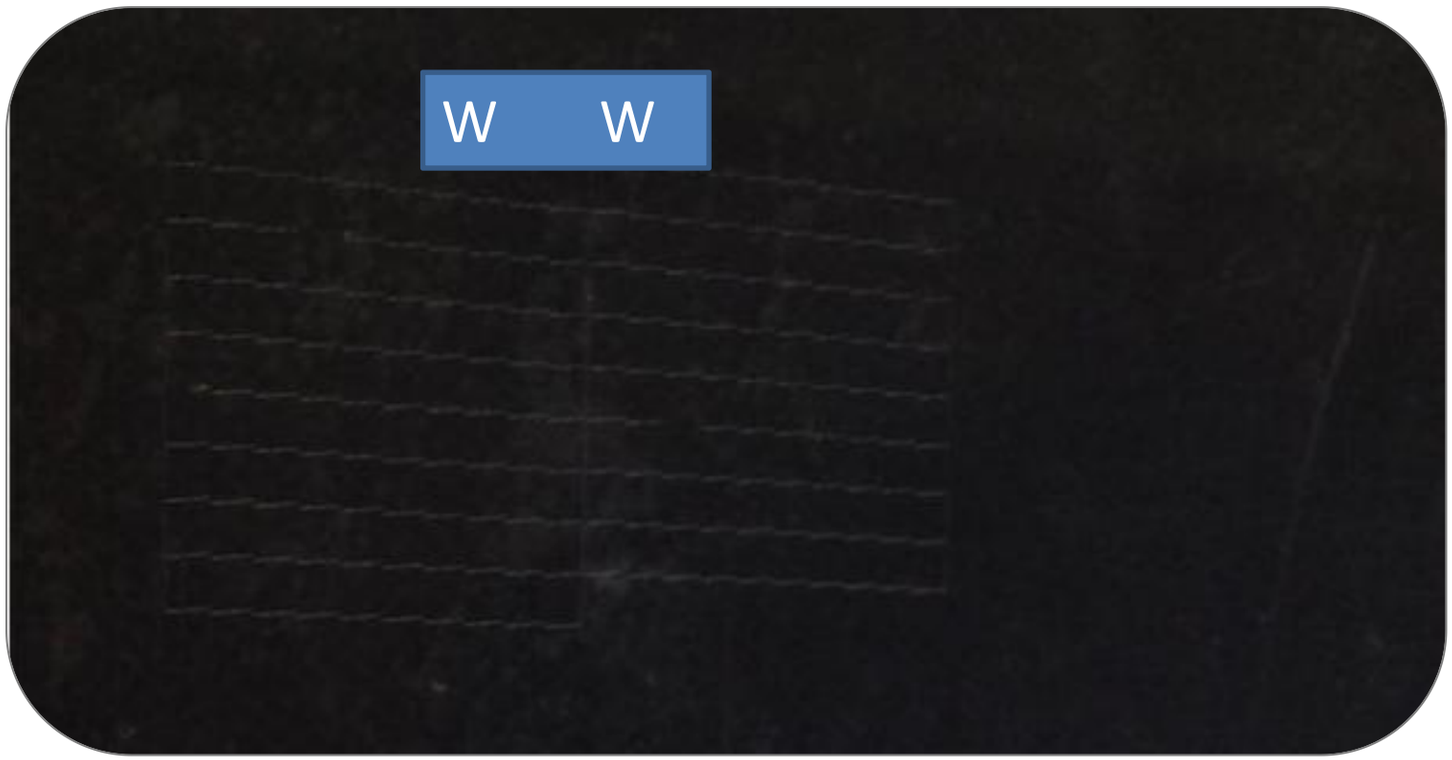
Welcome to artisJet

We are Taking Care of All about Your Print Experience

Nozzle Check for White ink on transparent board

Nozzle check command sending through the driver in the computer.





Welcome to artisJet

We are Taking Care of All about Your Print Experience

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.

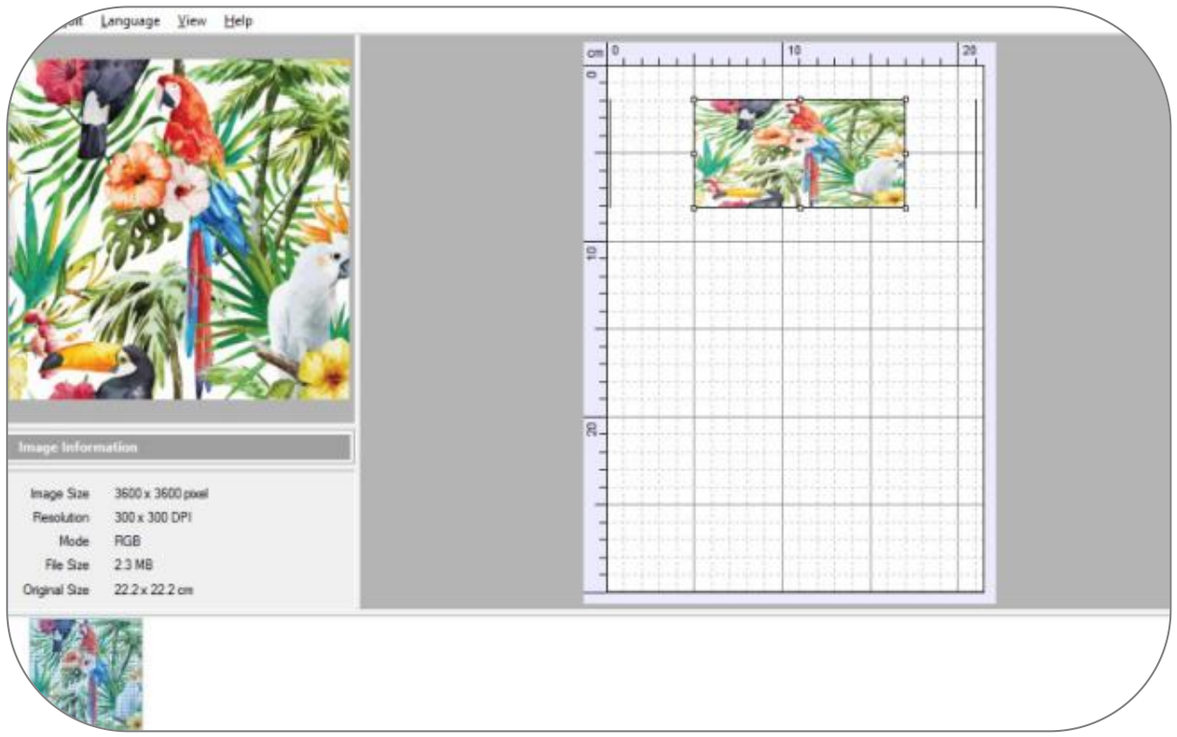
Please refer to Test Printing before Fill Inks, Color Test Printing.

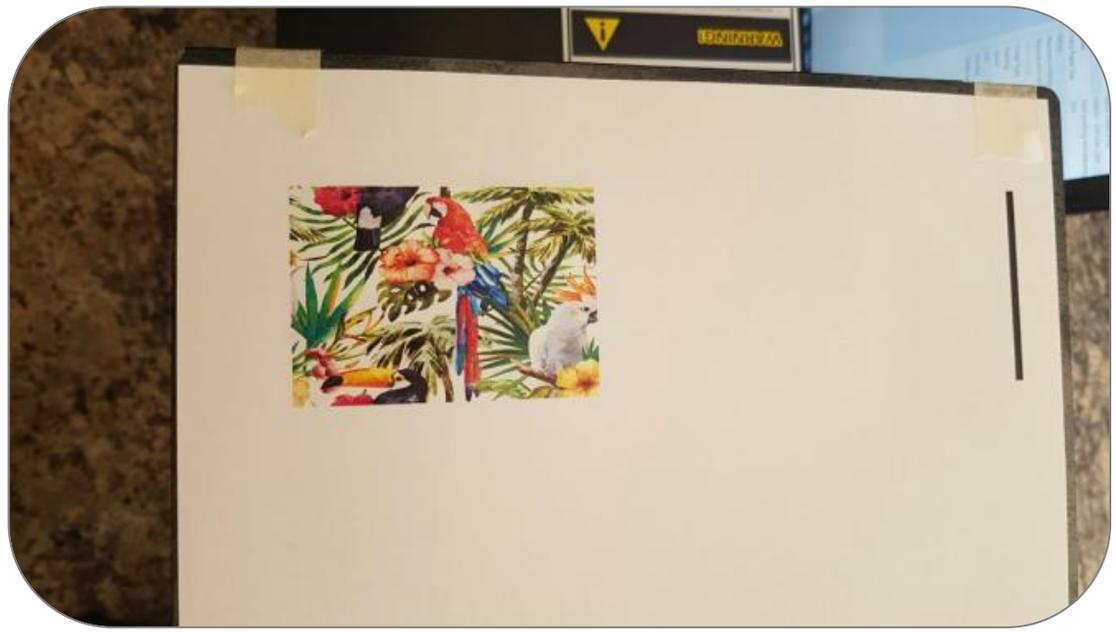
--- Image printing result checking

Welcome to artisJet

We are Taking Care of All about Your Print Experience

Image Color Test Printing on Paper





Welcome to artisJet

We are Taking Care of All about Your Print Experience

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



ccc@artisjet.com

+86 18611333892

+8618611333892 / +8613126798680

artisJetSolutions

artisJet Support

artisJet Customer Care



We are Here to Support

artisJet

STAY CONNECTED

www.artisjet.com

www.facebook.com/artisJetSolutions

www.instagram.com/artisjet

www.twitter.com/artisjet

www.youtube.com/brotherjetful

plus.google.com/artisjet

www.flickr.com/brotherjet

www.pinterest.com/artisjet