

artisJet 6090 / 6040

Installation Manual

2023

ABOUT THIS FILE

Thank you for spending your valuable time on reading this manual.

This manual is vital to your experience and safety, as well as proper maneuvering of artisJet printers in production. The contents herein will guide you through the whole procedures of the initial setup of the printer.

It is for all the printer operators involved in the production process. This file must be handed over to any operator if there is any position replacement. Please follow all the steps instructed in this manual.

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1. Printer Overview

1

Get to know the printer

The UV0609 is suitable for a variety of working environments, making it a versatile printer for printing on demand workflows.

The printer's front and right side view, displays, the control panel, with different functions; the working table (flatbed table with height adjustment); the ink cartridges, power button, and UV cooling system.

The waste ink bottle and cylindrical transformation port are found on the printer's left side. On the back of the printer, there are the electrical power connection port, and USB connection port.

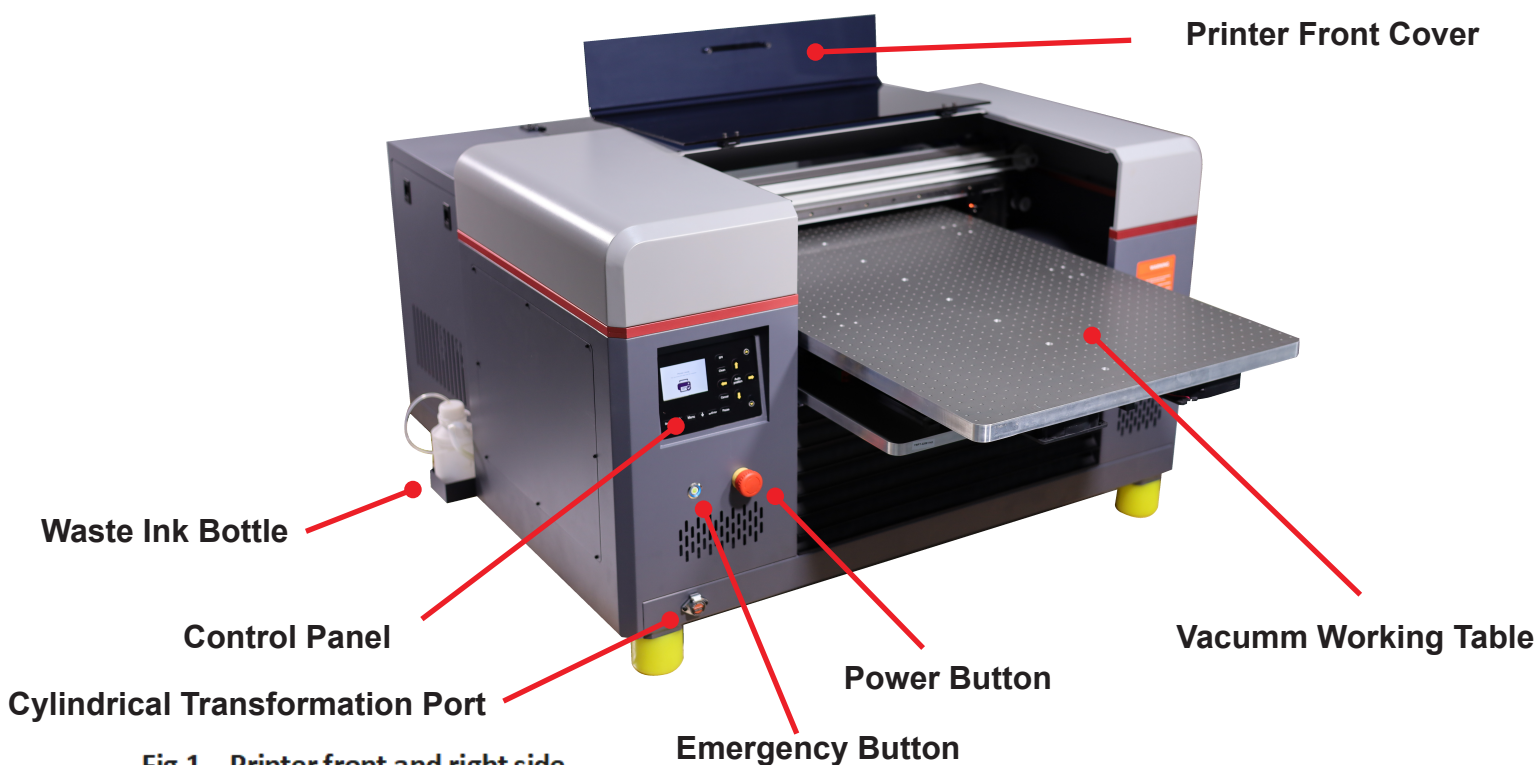


Fig.1 – Printer front and right side

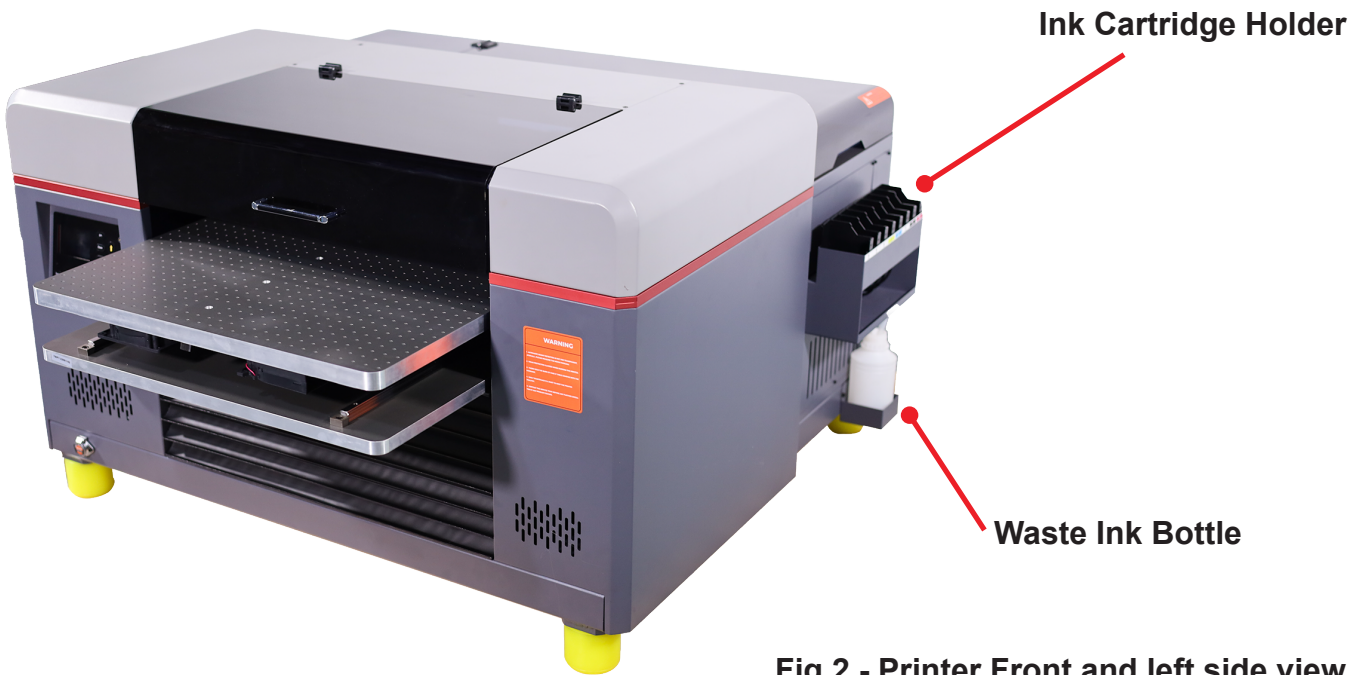
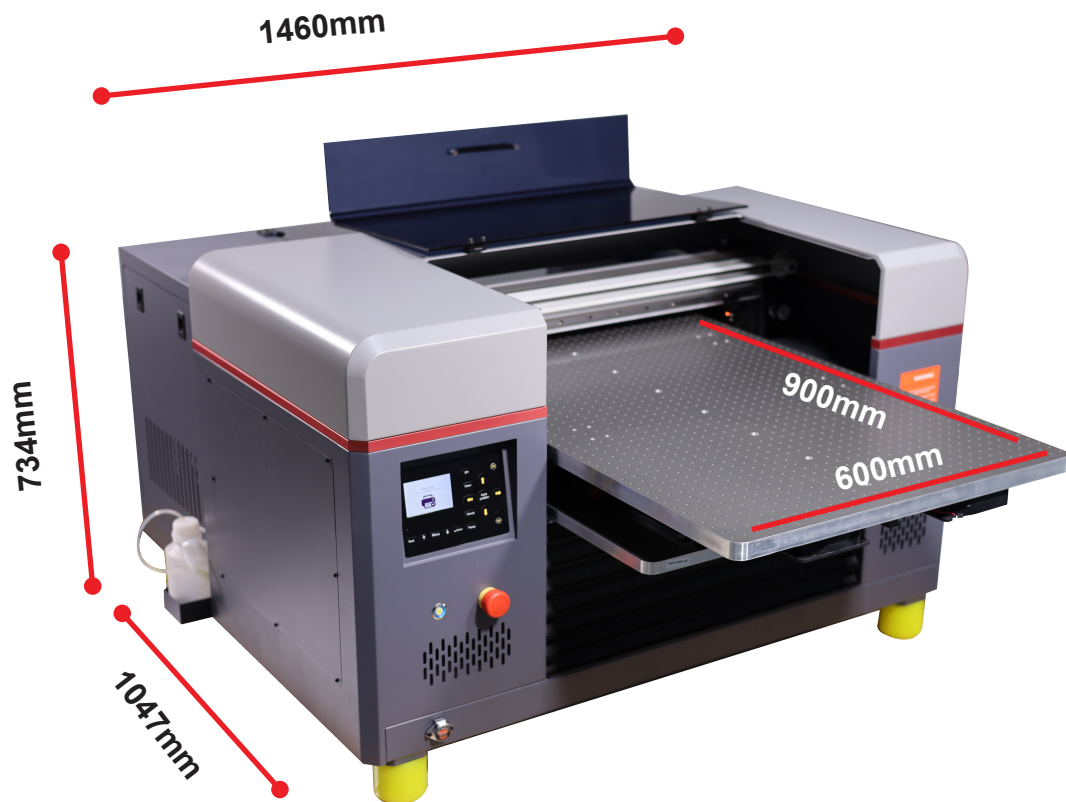


Fig.2 - Printer Front and left side view



**Fig.3 - Printer Front and right side view
(dept x Width x Height; table size)**

2. The Control Panel

1

Display, control buttons & functions



Fig.4 – Control Panel and Display












Buttons	Functions
	Pumping ink strongly
	Manual head cleaning
	Auto height adjustment and back to print
	Cancel current printing task
	Pause current printing task
	Move up*
	Move down*
	Move out*
	Move back*
	Move back the working table without auto height sensor*
	Mini move down*

Fig. 5 – Control panel buttons and functions

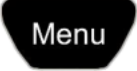




Buttons	Functions
	Printer main setting menu
	Back to previous setting menu
	Confirm setting option
	Moving to up setting option
	Moving to down setting option
Functions on the Control Panel display / screen	
X-motor speed	Adjust the speed of the carriage when printing. The default value is 8.
Print power	Adjust the print power of the printhead
X print zone	Adjust this value when using bidirectional printing for better results.
Holiday mode	After the printer is turned on and in the holiday mode, it will auto cleaning.
Information	Printer version information
UV level	Adjust the power of the normal UV lamp
Varnish level	Adjust the power of the varnish UV lamp

Fig.5 – Control panel buttons and functions

3. Printer Environment

1

Load the printer in proper environment

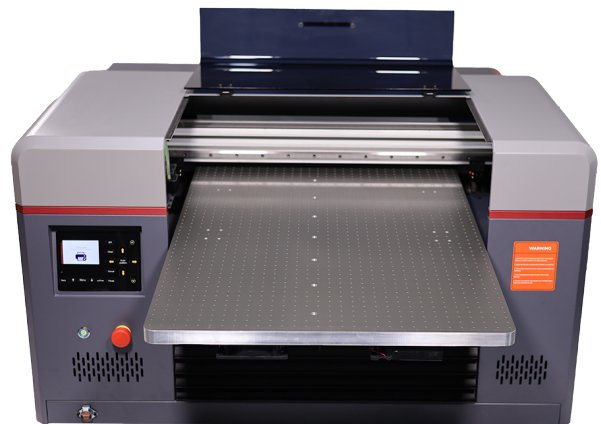
After the package is opened and the top of the box is removed, handle the printer with care to avoid damage.

Grab the printer from all sides, lift it and hold it in straight position, then place the printer on a flat and even table surface.



Fig.6 - Remove the printer from the wooden box

Fig.7 - Place it on a flat and stable surface



4. Printer Inspection

1

Execute the initial inspection after the shipment



Fig.8 - Check the condition of the printer as it's unpacked

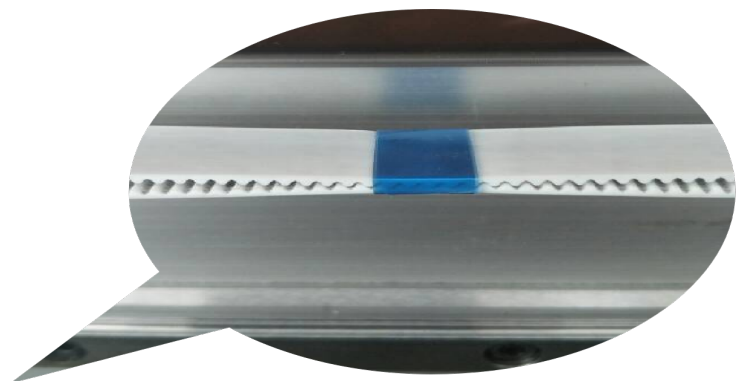
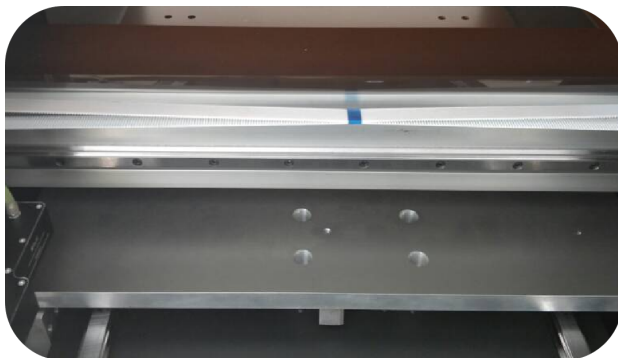


Fig.9 – Unlock the carriage by removing the tapes



Fig.10 – Connect the power cable



Fig.11 - Turn on the printer
Step 1: Unlock the Emergency Switch
Step 2: Press the Power Button

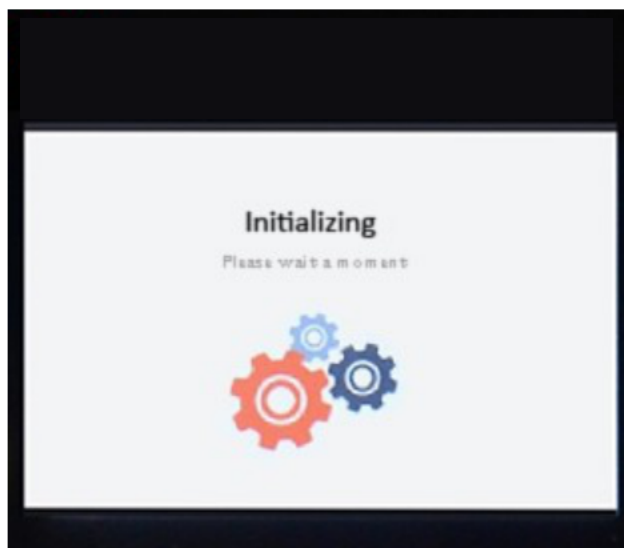


Fig.12 – After pressing the General Power button,
the “Initializing” message will be displayed
on the screen

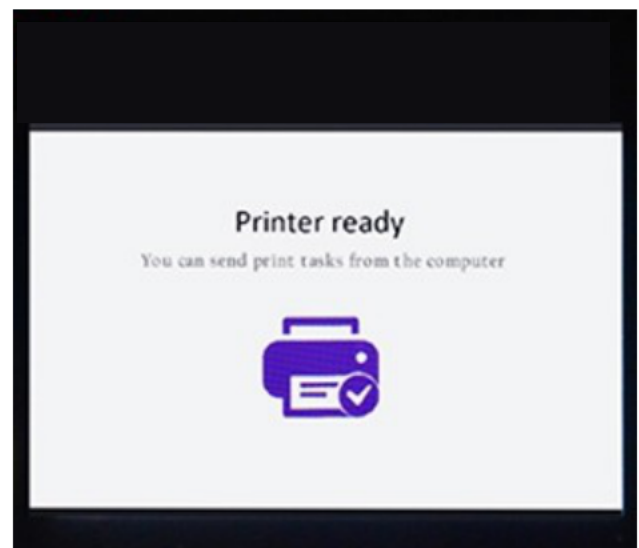


Fig.13 – Wait till the printer is ready
(a message will be displayed on the screen)

5. Print Software

1

Install the design software & print software

Insert the USB drive (artis 3000U Pro) & the Design Software dongle (artisRIP V9.0) (**Fig.14**).

If the USB window will not automatically open, locate the USB disk on your computer, and open it.

From the folder list (**Fig.15**), open the “1-artisJet Workstation” folder, from where you choose the “**artisJet Workstation V5.0 RC Beta.exe**” and install it.



Fig.14 - Insert the USB dongle

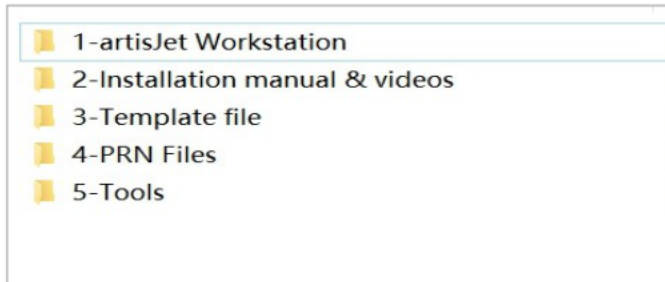
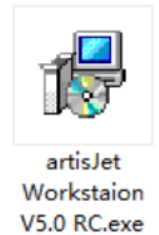


Fig.15 – Open the USB drive (folders list)

Install the Print Software (artisJet Young Work Station).

Step 1 - Unfold the attached **U Disk** following the instructions, or download the installation file from the website, then double-click the installation package file to install it.



Step 2 - The installation wizard will pop up (**Fig. 16**). Please click “**Next**” to continue the installation steps and procedures (**Fig. 17**).

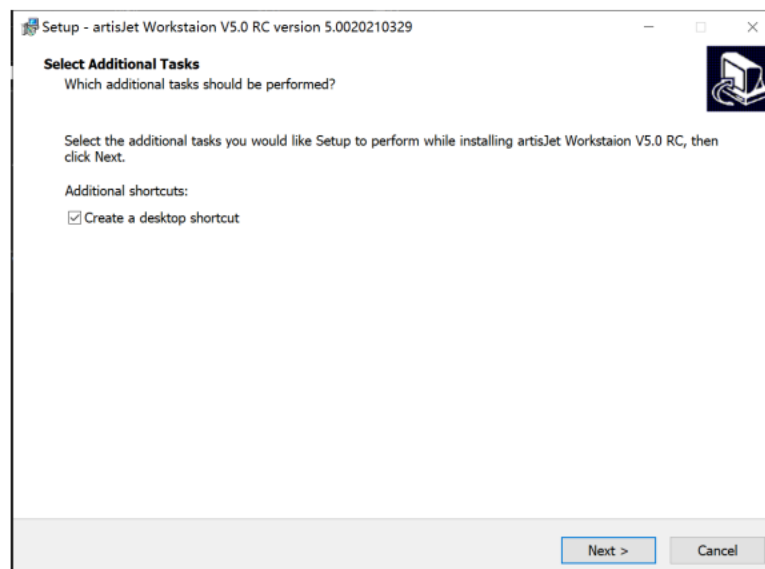


Fig. 16 – Installation wizard window

Step 3 - Click the “Install” button to initialize the installation process (Fig. 17).

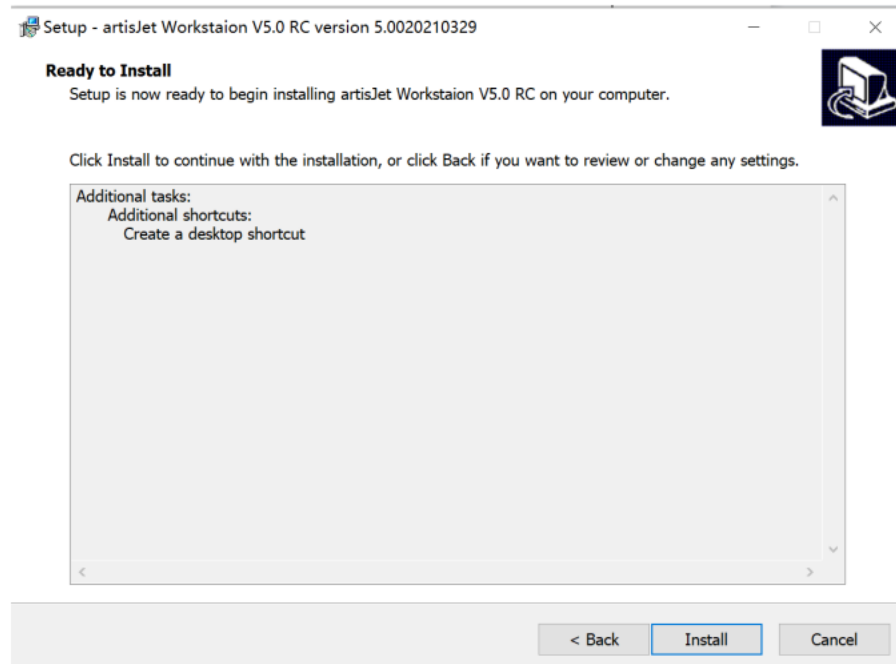


Fig.17 – Initialize installation process

Step 4 – Click “Finish” to complete the installation process (Fig. 18).

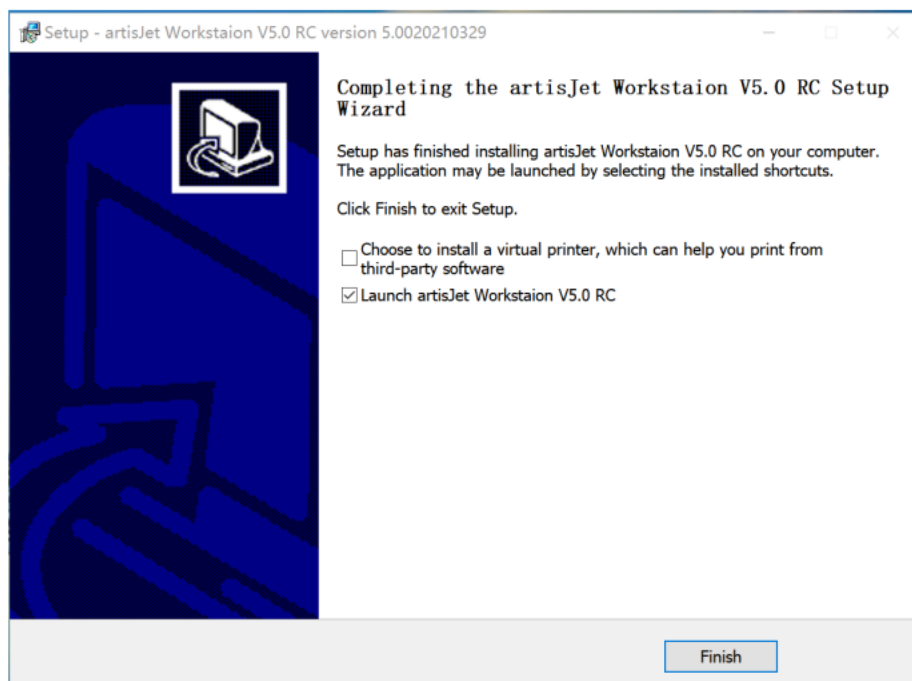
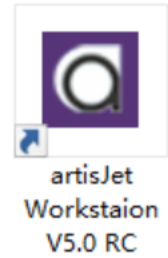


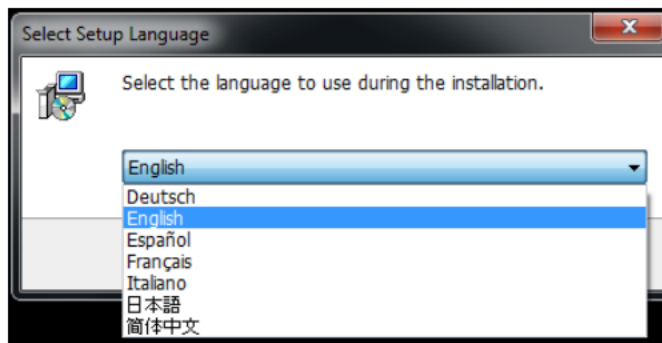
Fig. 18– Complete the installation

Step 5 – after installation, the shortcut with artisJet Workstation V5.0 RC will appear on the desktop of PC; click on the artisJet shortcut to run the software. You can also access the software project by clicking “Start” from the PC task bar and the clicking all.



Notices:

- a. The artisJet Workstation’s user interface is available in multiple supported languages: **English, Spanish, and Simplified Chinese and Traditional Chinese.**



- b. **Print Mode Selection** – print flat materials or ROT-360. You can click the “**Setting**” button (Fig. 19) to change the print mode selection (Fig. 20).

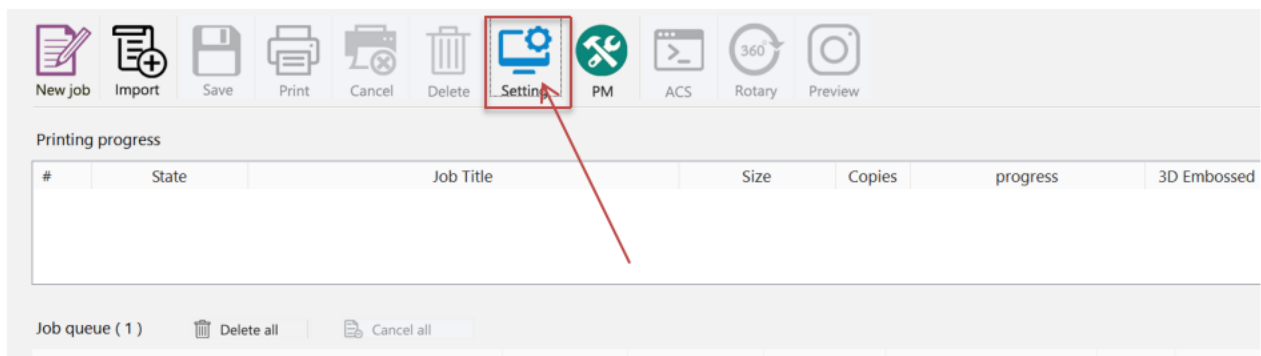


Fig.19- The setting button position

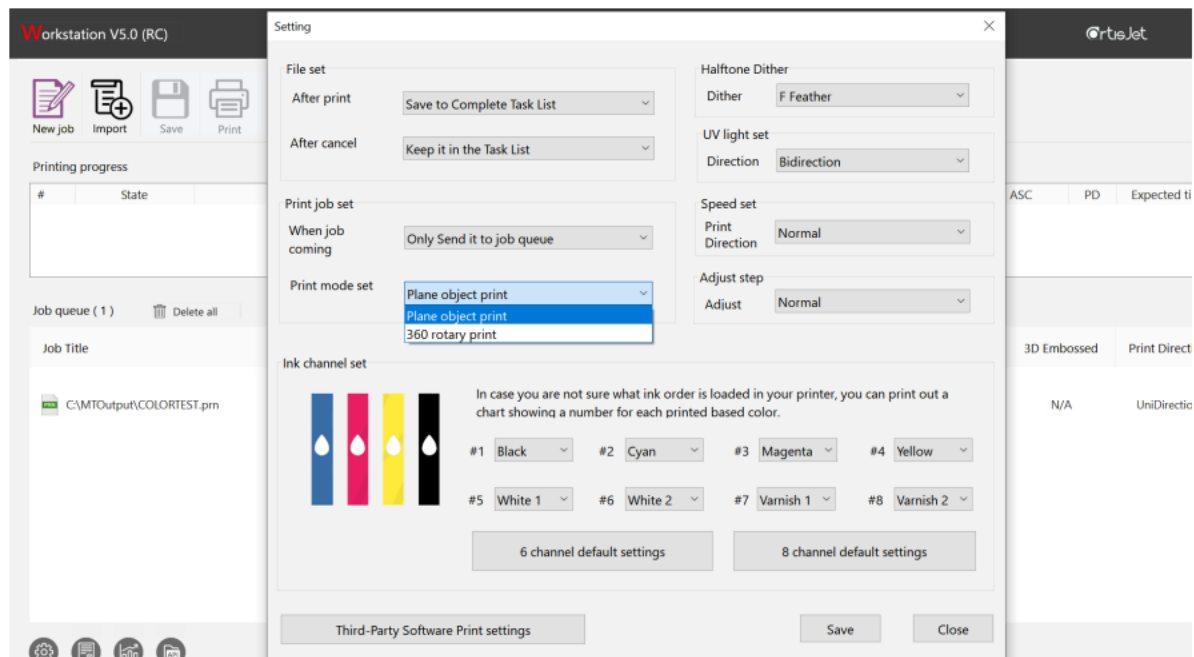


Fig.20- How to change the print mode set

c. Choose the printer mode. Click the  button to choose the printer mode. Choose the **artisJet 6090U** in the Printer Mode.(Fig.21)

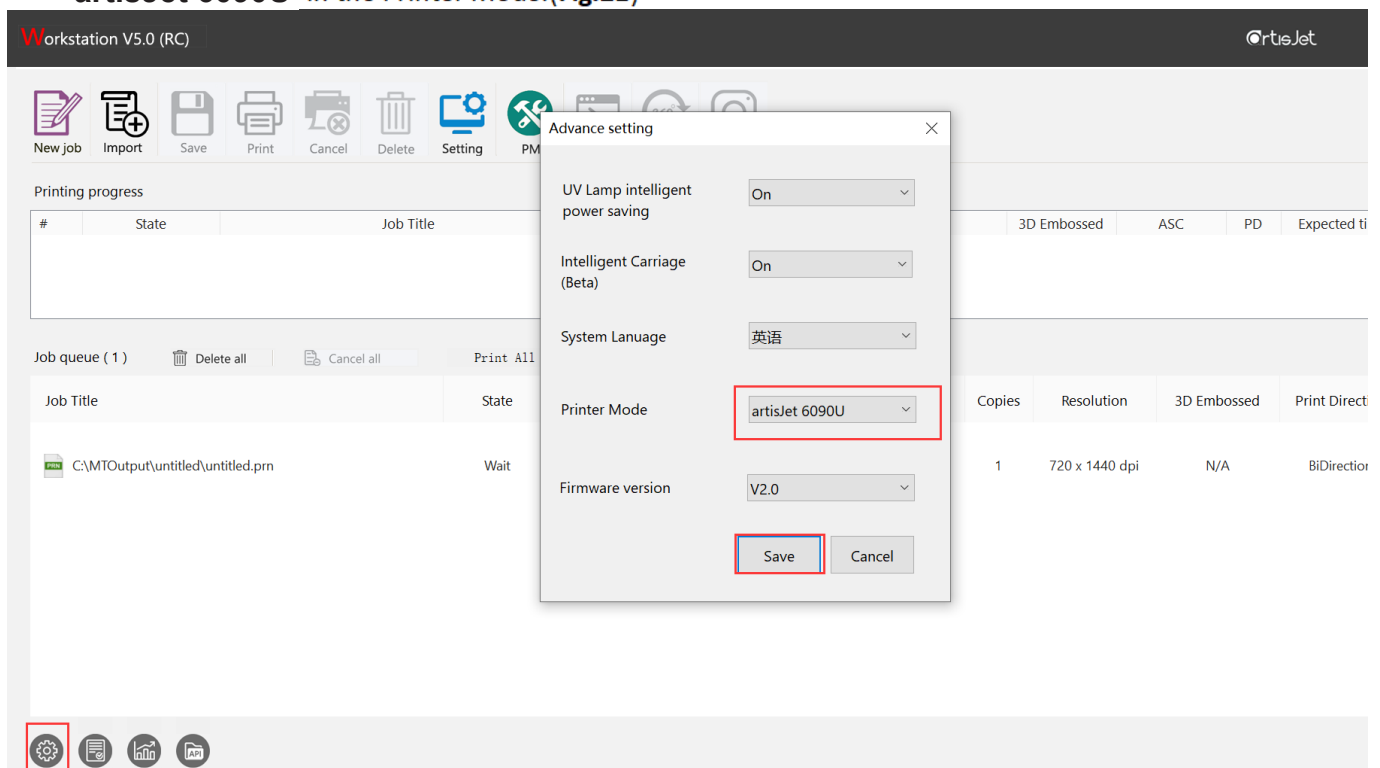


Fig.21- How to choose the printer mode

6. Ink System

1

Initialize the ink system

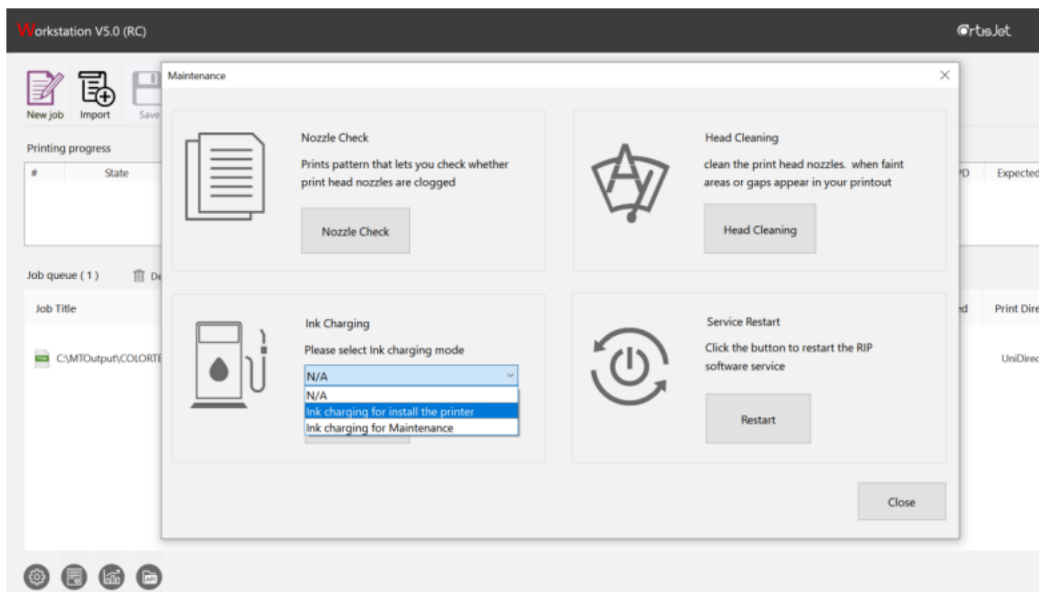
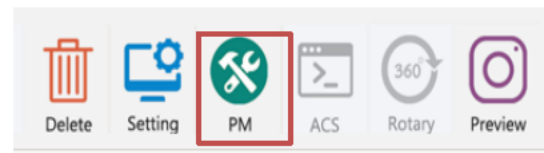
Note: Gently take out the cartridges from the packages to avoid any leaking or break. If the cartridges are empty, please fill them all.

Install the ink cartridges by inserting them to the ink tanks located on the right side of the printer.



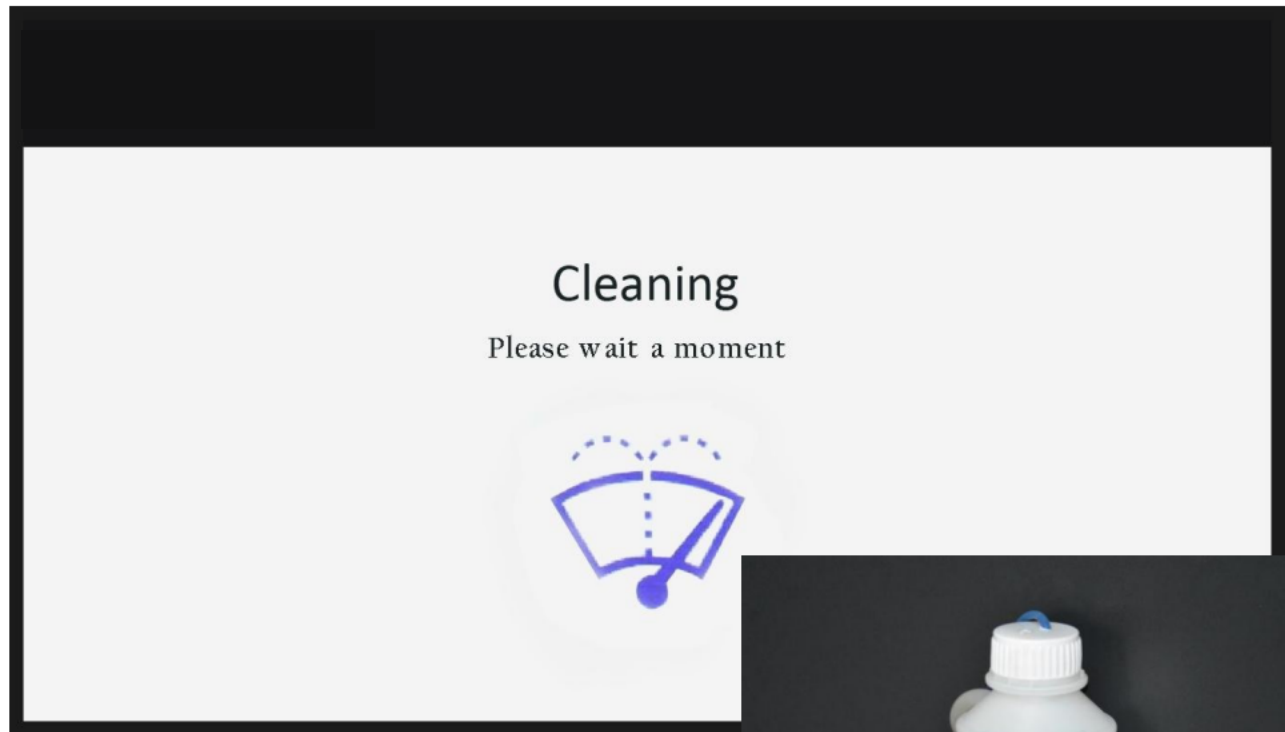
Ink System Initial Set Up

- Go to the workstation.
- Click "PM" icon in the Workstation as Fig 22.



Click 'Ink Charging' to choose 'ink charging for install the printer'
It will take around 8 minutes to finish the whole process. Fig 23

Fig.20 –the “Cleaning” message will be displayed on the printer screen



Please wait for about 8 **minutes**. After ink charging process done, you can see waste ink come into the waste ink bottle.

Fig 24



Click 'Clean' button on control panel, it will show 'cleaning' during auto head cleaning process. Please wait 2 minutes, the control panel will show printer ready once cleaning process done.

Fig 25



Fig.16 – Wait till the printer is ready (a message will be displayed on the scree

7. Printing Qualify Test

1

Proceed the nozzle check

Note: this operation is important to ensure the printing quality for further production.



Fig.24 – Connect the USB cable

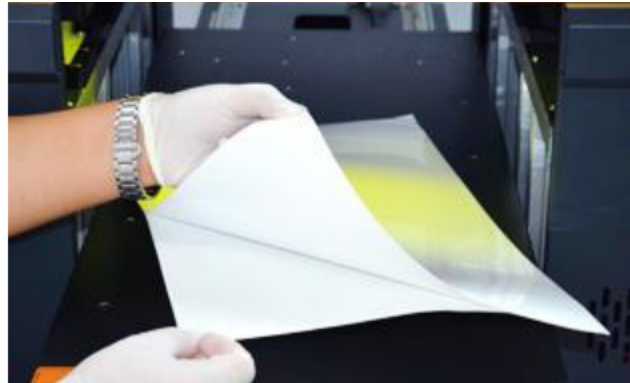


Fig.25 – Take one piece of E-fixture mat
and peel off the film one side only

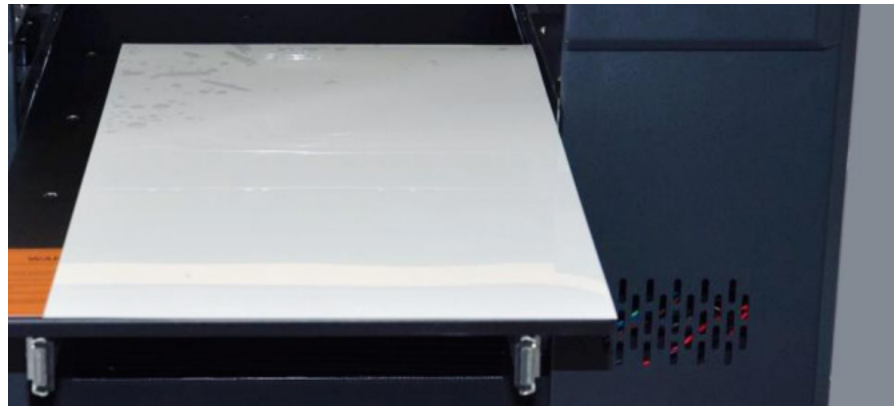



Fig.25 – Put the E-fixture matt onto the table and spread it till even on the surface

After the E-fixture is all fixed on the printer's table

(printing area), press the  button from the control panel.

The working table will move forward first, then will move up to the highest position (**Automatic height adjustment**) and finally back to the original position.

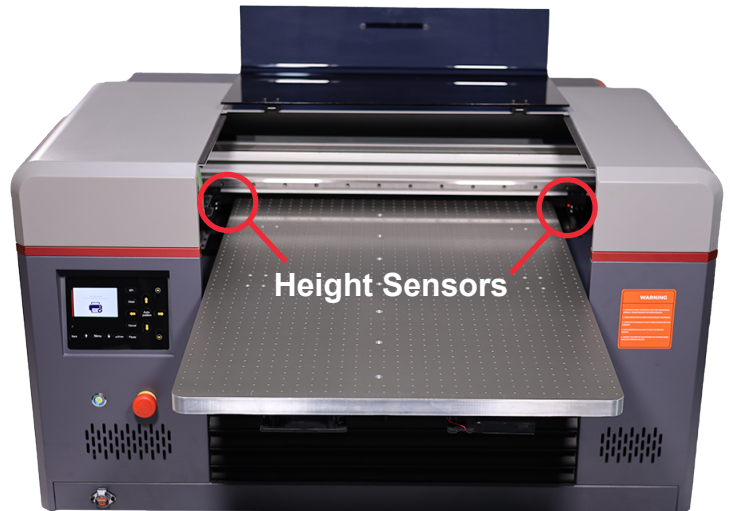


Fig.27 – Automatic height adjustment with height senso

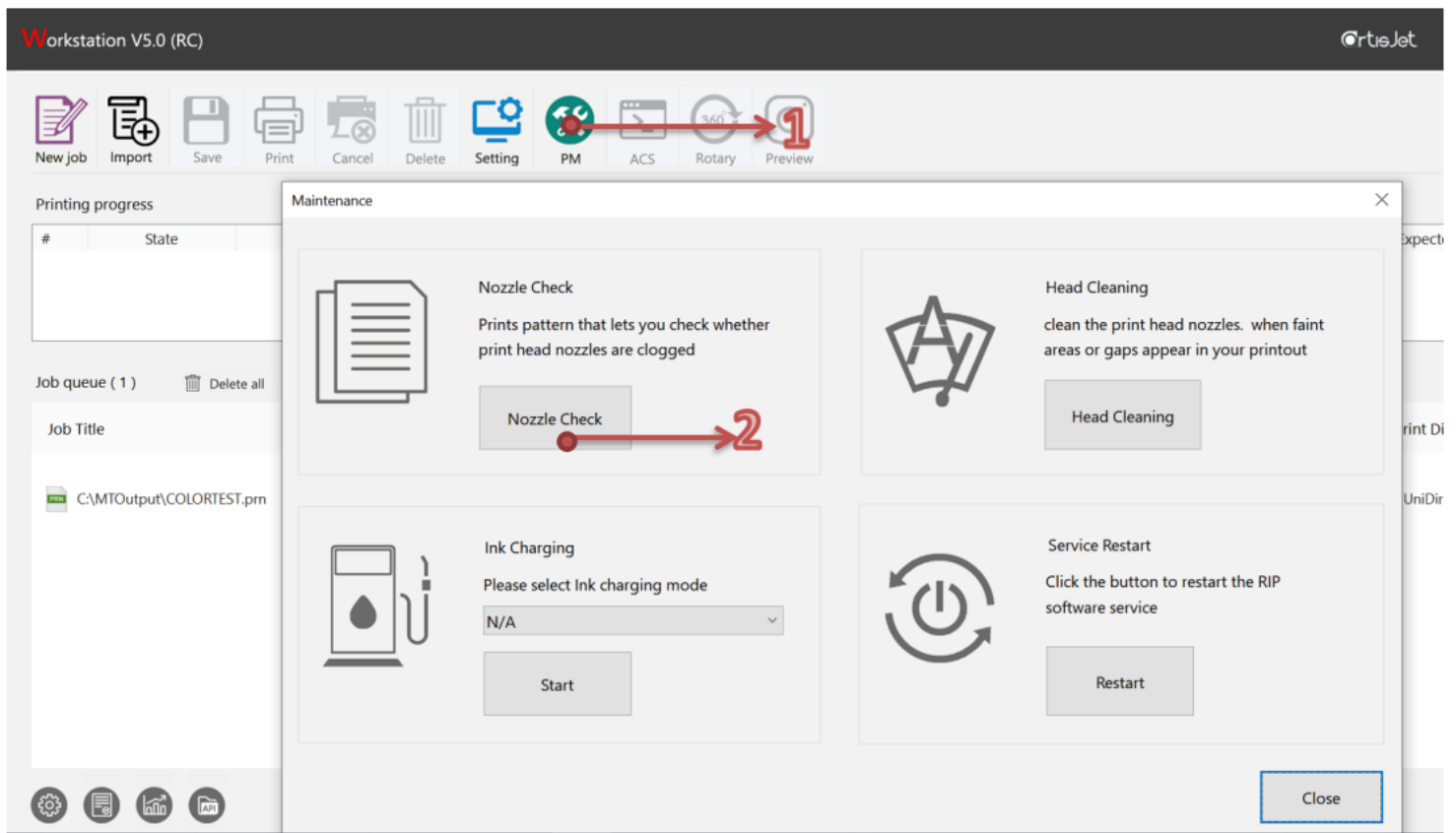


Fig.28 – On the Print Software, click on the “PM” icon (1); the “Maintenance” window will open; click on the “Nozzle Check” button (2); wait till the screen states “Print Complete”

2

Check the print quality

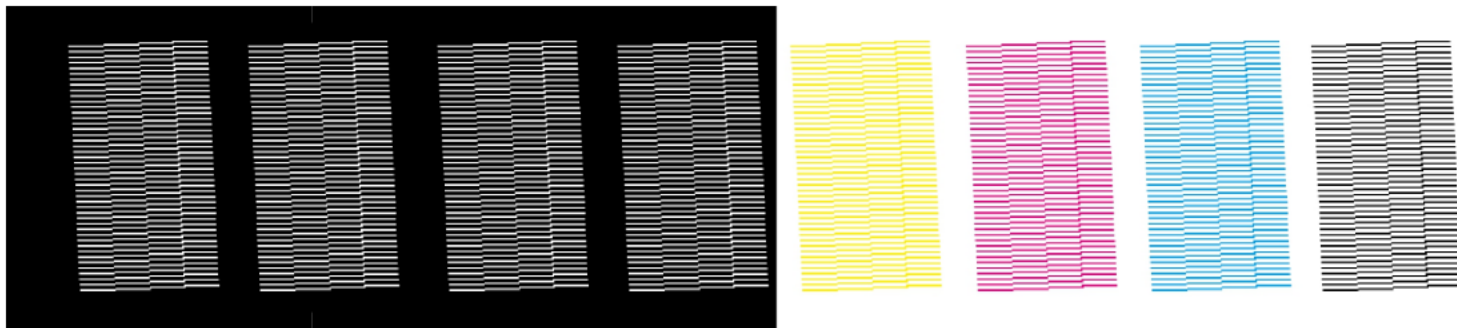


Fig.29 – Good quality. Continue.

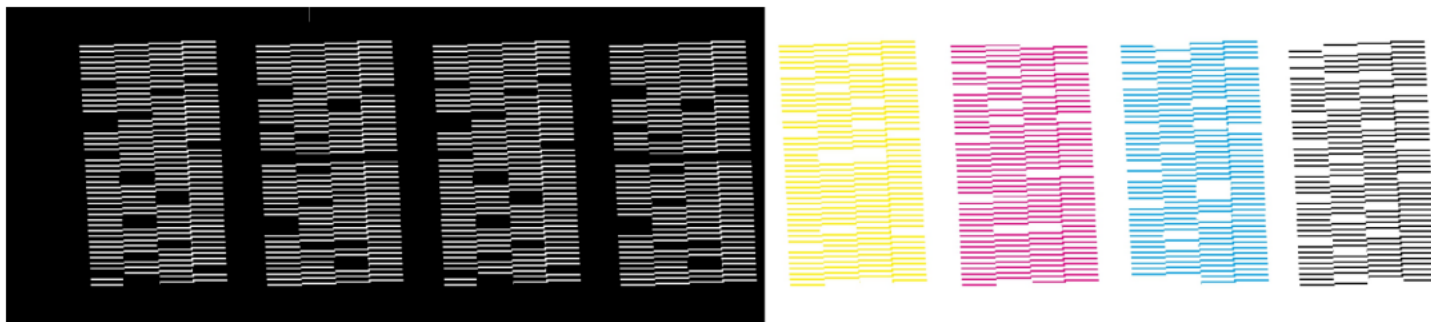


Fig.30 – Bad quality. Repeat the SPI + CLEAN process

If the print quality is not good(Not all the lines are full), click “CLEAN” button on the control panel till the nozzle check is full in all colors.

8. Starting Printing

1

Starting point printing

The first step is to print “XY starting point” onto the table.

From the printing software, click the icon to open the “XY starting point” file and print it.



Fig 31

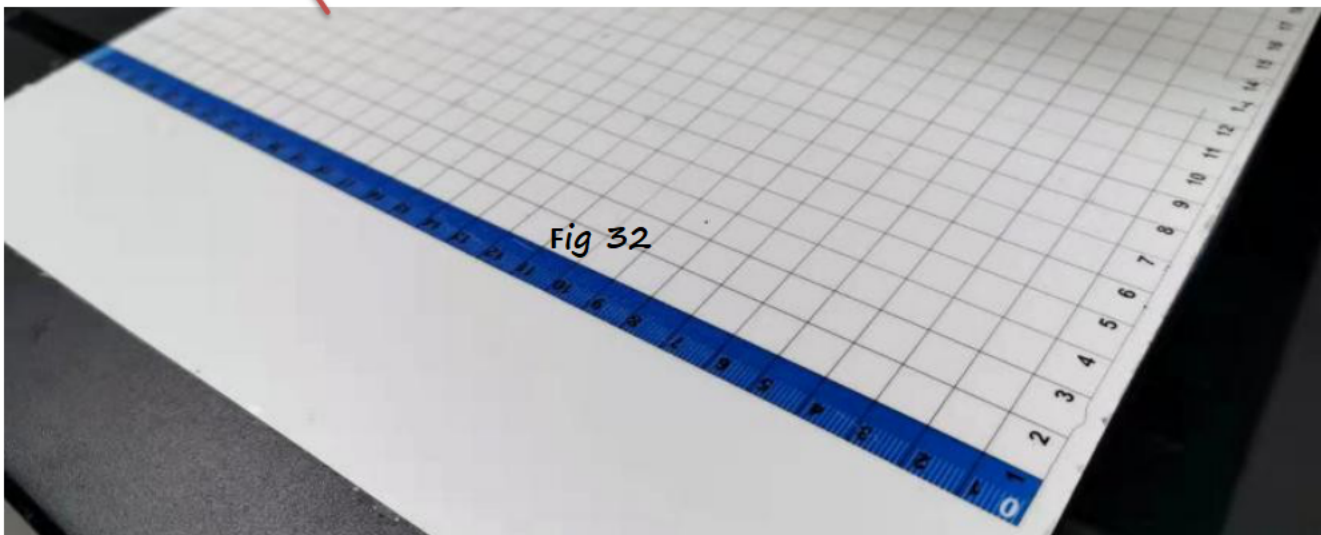
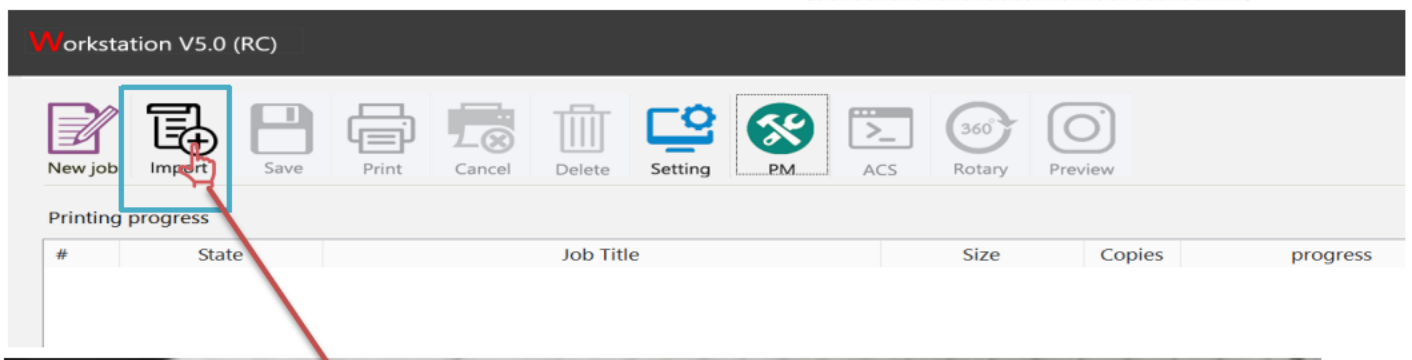


Fig 32

2

Correctly load & print the templates

The first step is to print color test image onto the table (Fig. 33).

From the Print Software, click on the icon (Fig.34) to open the prn

file(Fig.34)  print it (Fig.35).

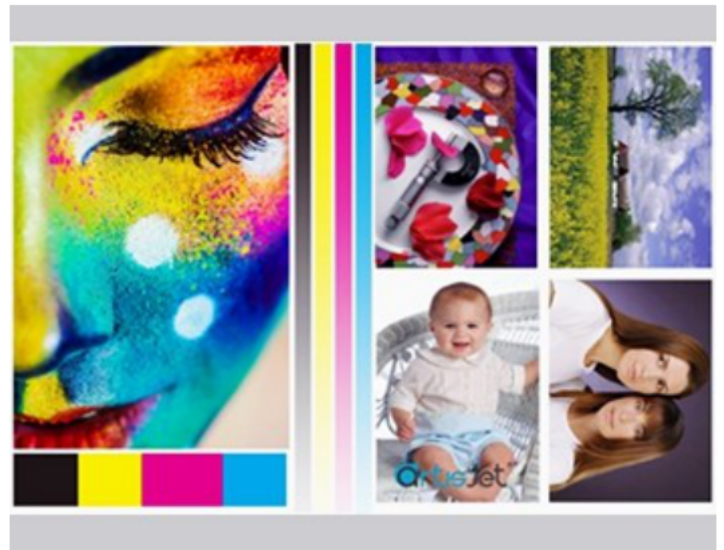


Fig.33 - Color test image

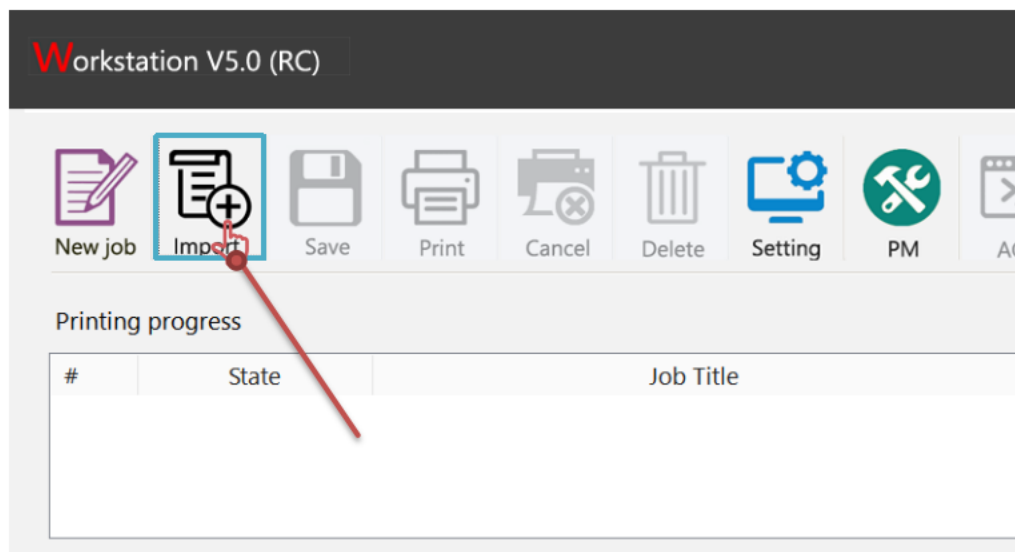


Fig.34 – click on the “Import” icon to import the prn file.

Following the previous command, an “**Import File**” window will open.

Locate the “**Color test image.prn**” file from the USB drive, and click the “**Open**” button.

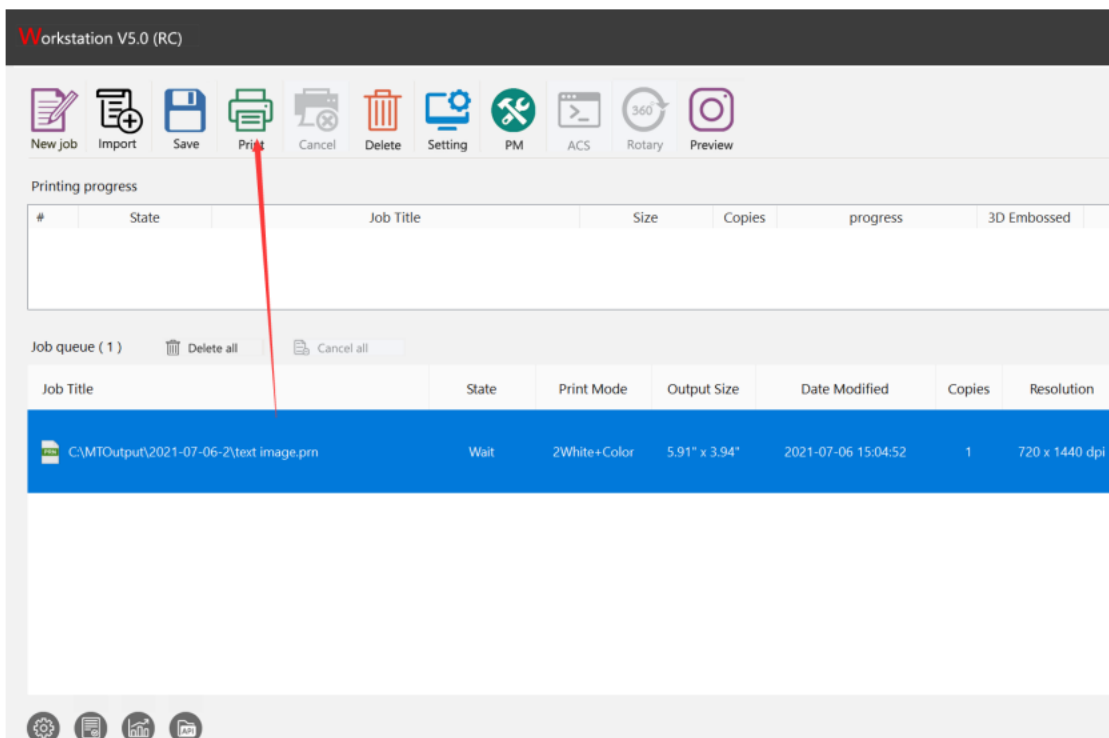
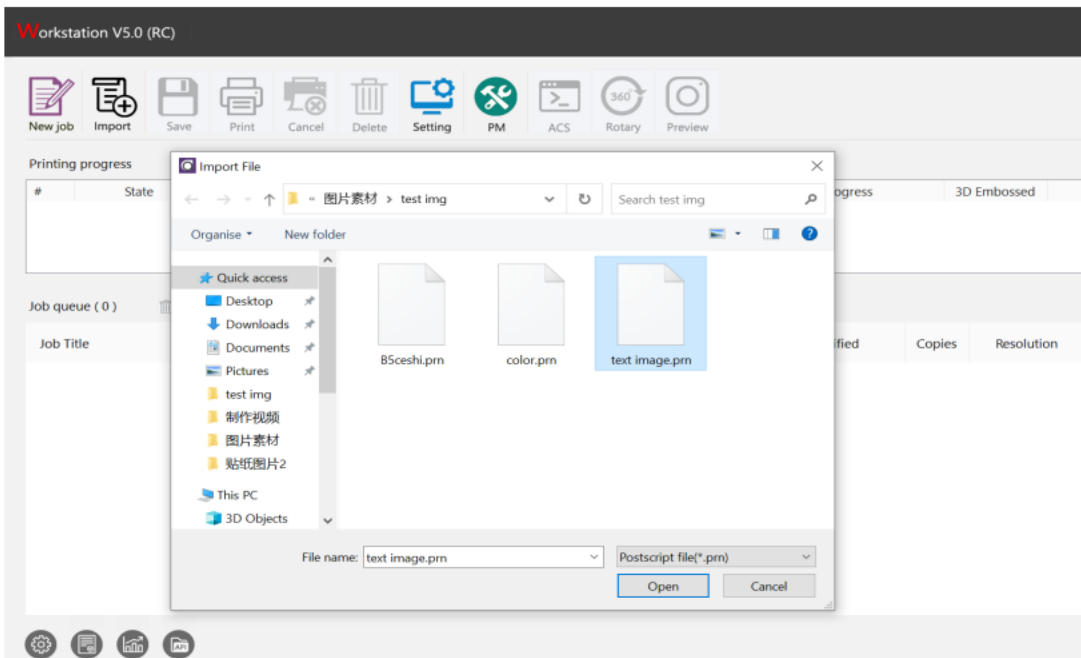


Fig.35– Go to the Print Software and click on the “Print” icon

3

Print result



Fig.35 – color test
image printing

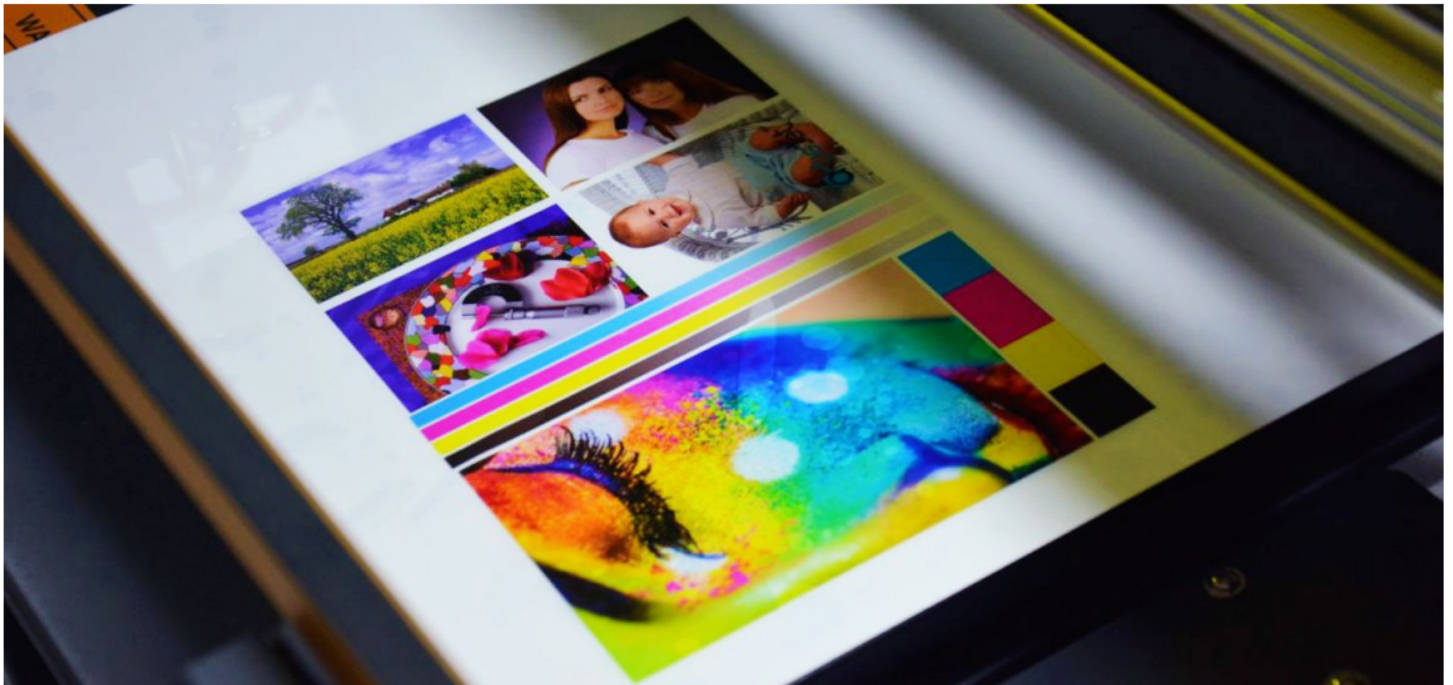


Fig.36 – Print result