artisJet
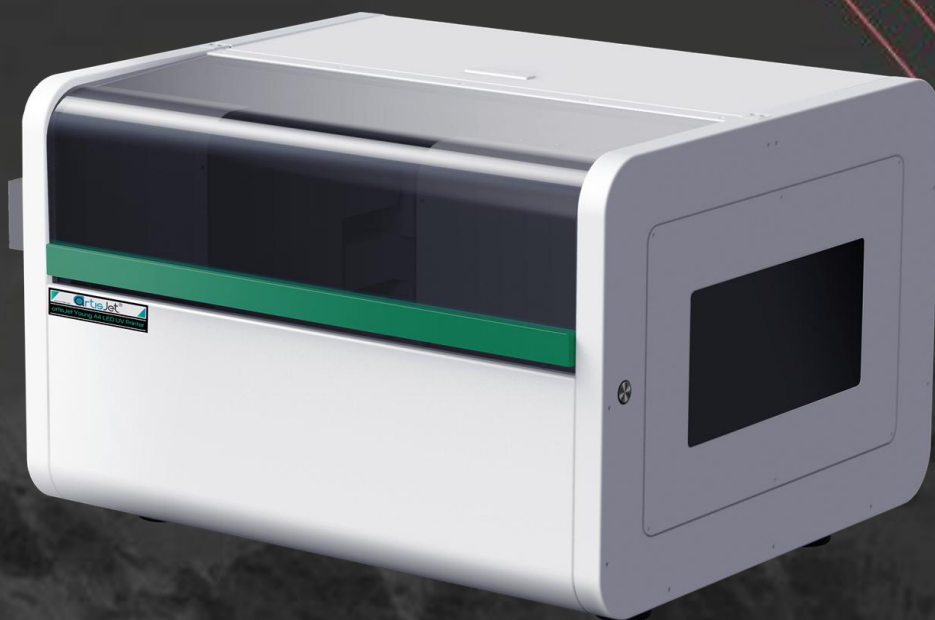
an innovative brand in smart sizes uv printers

artis Young

A4 LED UV PRINTER

artis Young

PRINTER INSTALLATION MANUAL

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.

Contents

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GET TO KNOW THE PRINTER

A timely expectable printer, the **artis Young LED UV printer** is suitable for small working environments as printing digital stores, making it a versatile desktop printer for print on demand workflows.

The printer's front and right side view (**Fig. 1**), displays: the control panel, with different functions; the working table (flatbed table with height adjustment); Power button, and UV Air Cooling system.

The waste ink bottle is found on the printer's left side (**Fig. 2**). On the back side of the printer, there are the electrical power connection port, and USB connection port.
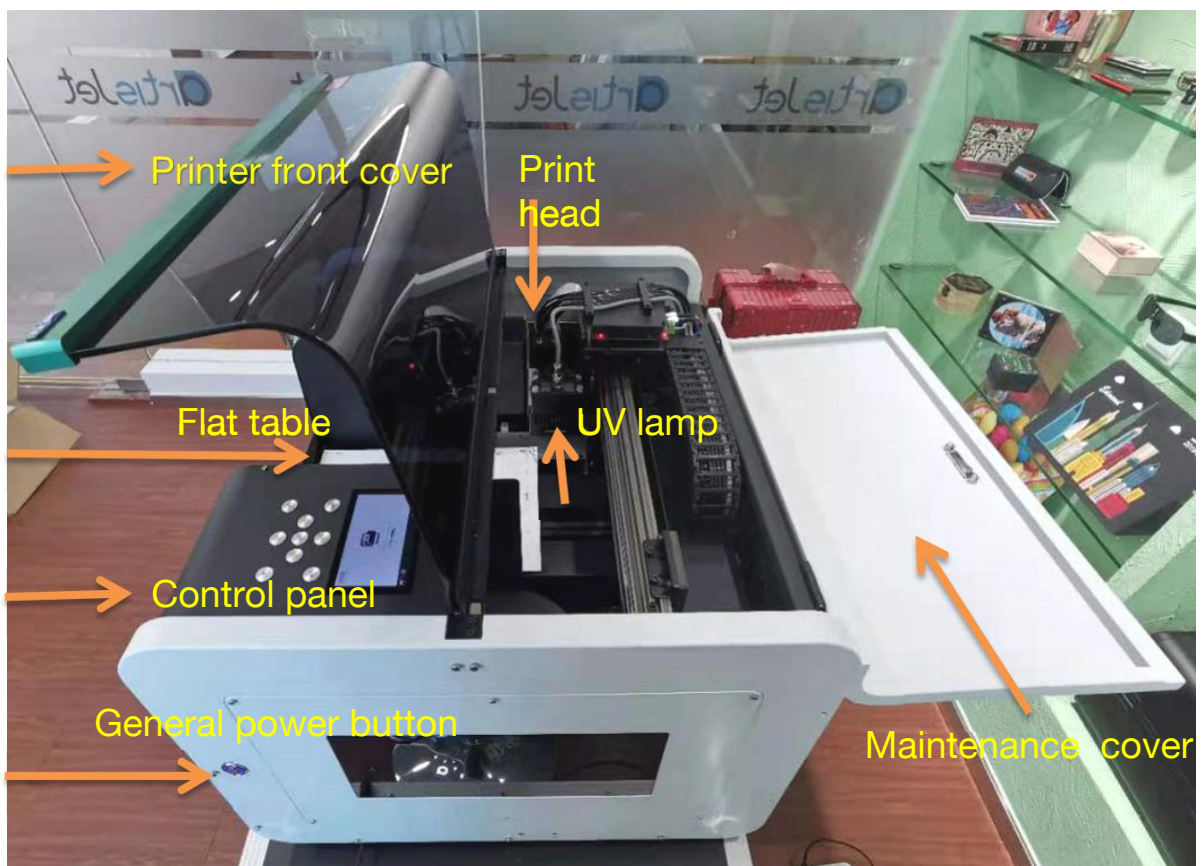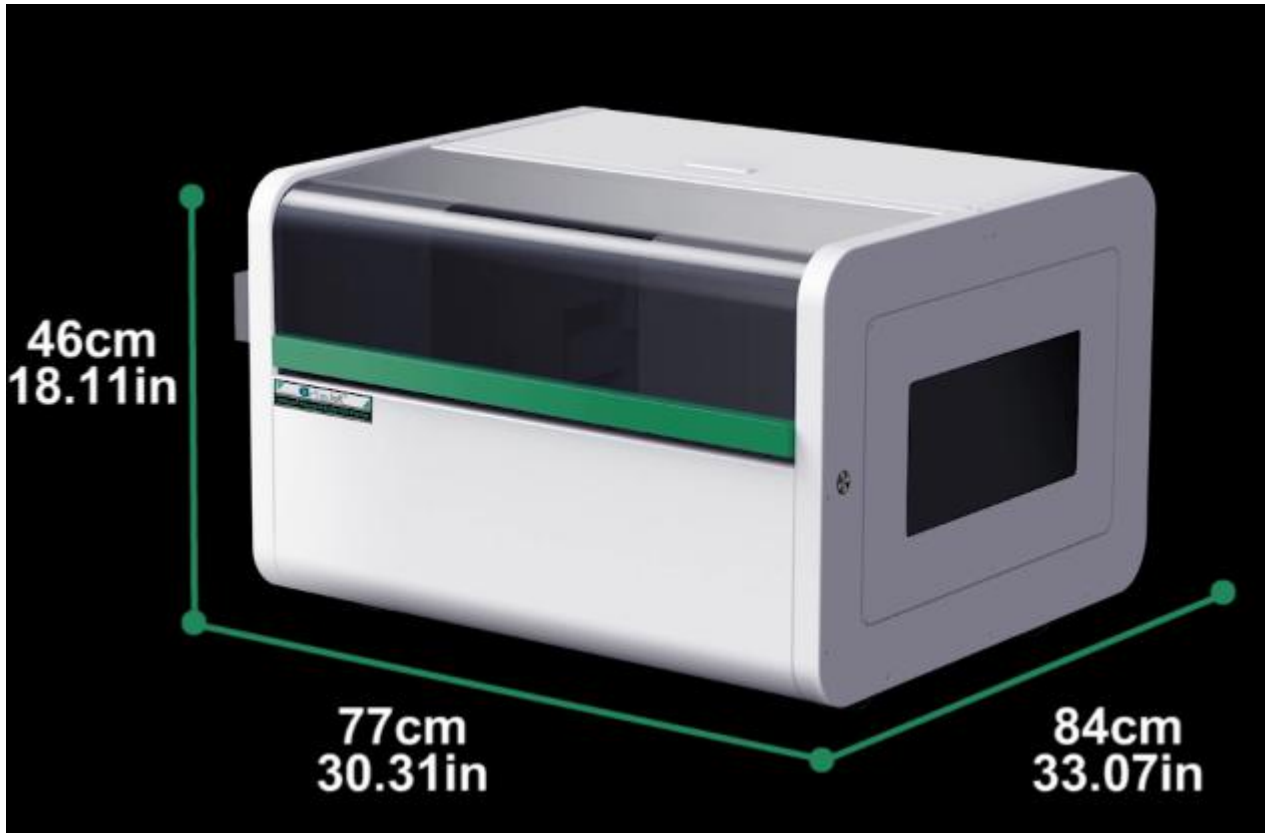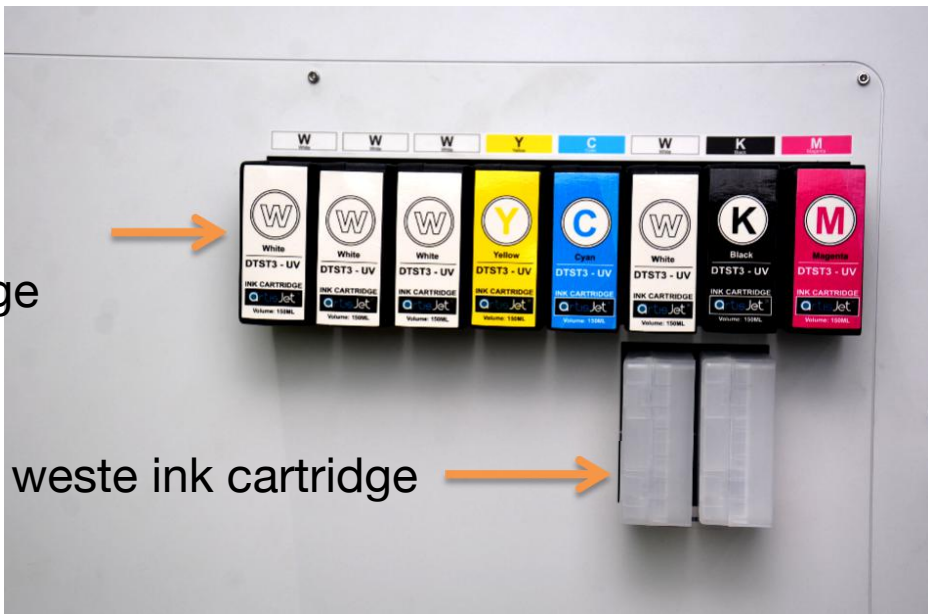

 Fig.1 – Printer front and right side view

ink
cartridge

weste ink cartridge

46cm
18.11in

77cm
30.31in

84cm
33.07in

Printer Net Weight : 90kg

Fig.3 – Printer sizes overview (depth x width x height; table size) and printer net weight
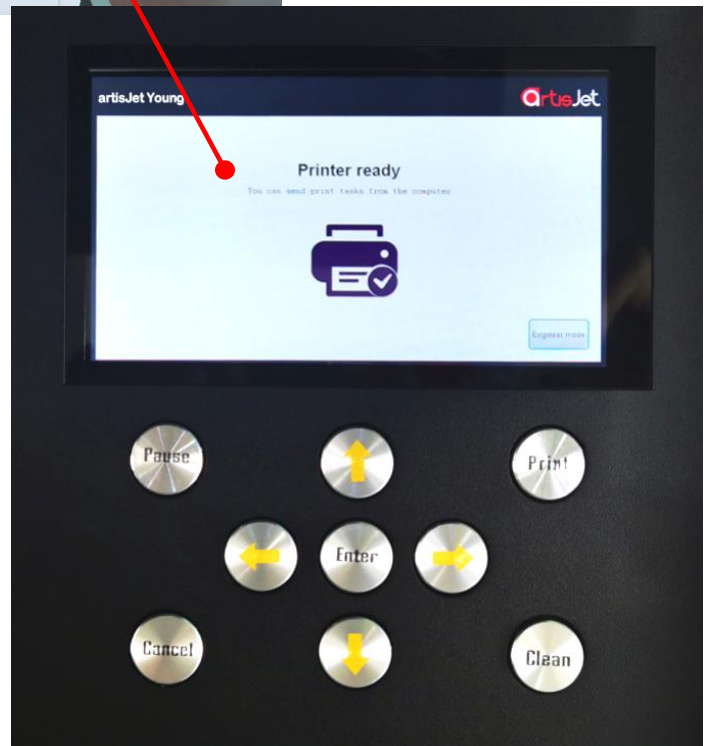
Display, control buttons & functions

Fig.4 – artis Young control panel and display

Buttons	Functions
Print	Move back the working table without auto height sensor*
Clean	Manual head cleaning
Enter	Auto height adjustment and back to print
Cancel	Cancel current printing task
Pause	Pause current printing task
⬆	Move up
⬇	Move down
⬅	Move out
➡	Move back

Fig. 5 – Control panel buttons and functions

Engineer mode	The administrator mode is an advanced mode that authorized the engineer to enter when the machine needs to be detected. And the password is required when entering. Usually the machine is in non-administrator mode. Up, down, forward and backward keys are locked to avoid touching by mistake, which may lead to a change in the height of the platform and affecting the printing effect.
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
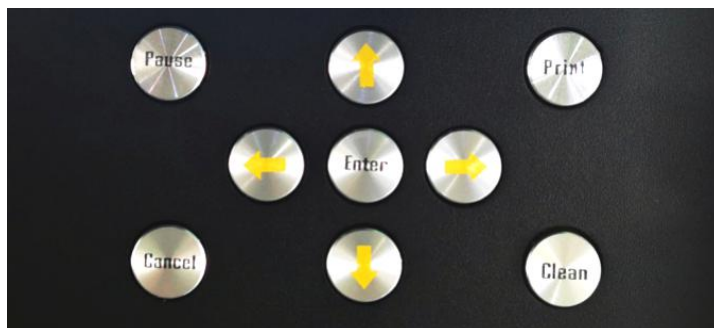
Fig.5 – Control panel buttons and functions

Load the printer in proper environment

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

Grab the printer from all sides (**Fig.6**), lift it and hold it in straight position. Then place the printer on a flat and even table surface (**Fig.7**).
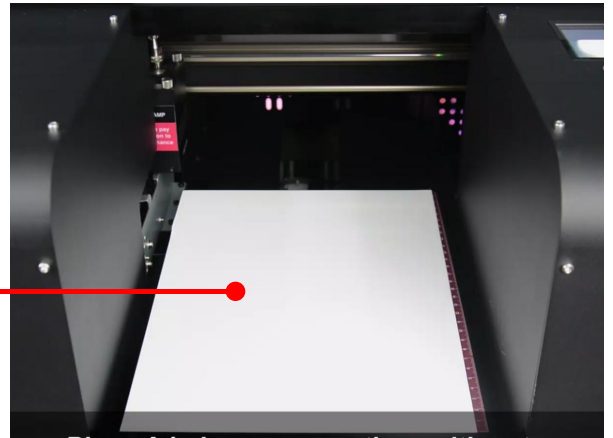
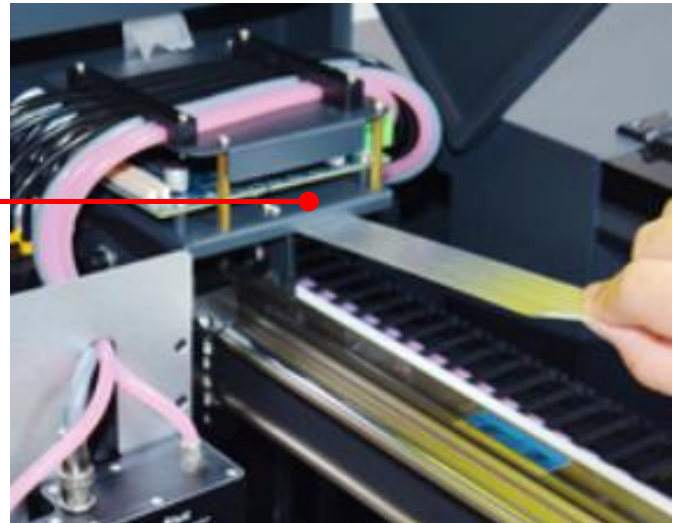

Fig.6 – Four people moving the printer carefully

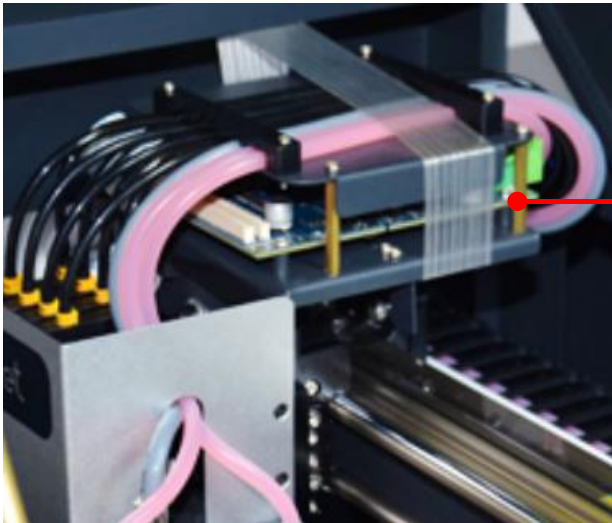**Fig.7 – Position the printer onto the desk / table / flat surface**

Execute the initial inspection after the shipment

Fig.8 – Open the cover carefully and take out the E-fixture matt

from the working table

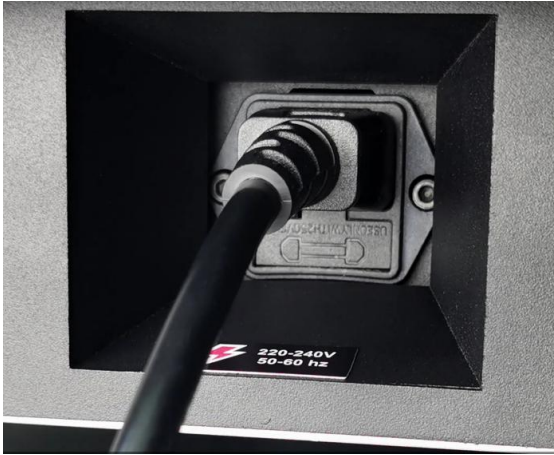**Fig.9 – Unlock the carriage by removing the tapes**

Fig.10 – Connect the power cable

Press general power button.

Fig.11 – Turn on the printer - Press General power button
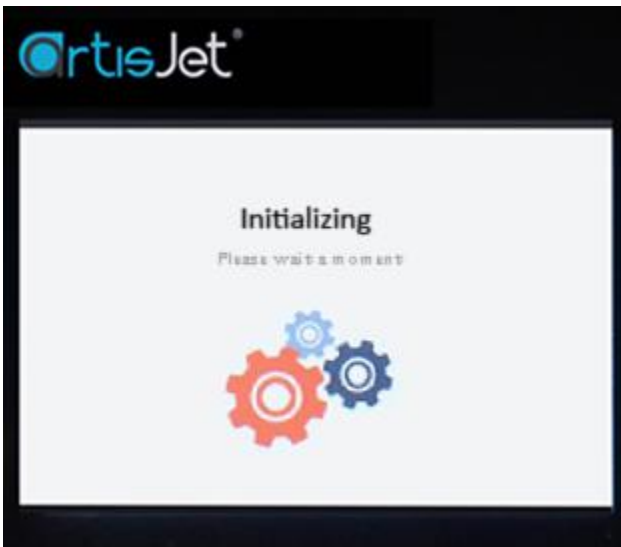

ArtisJet

Initializing

Please wait a moment

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

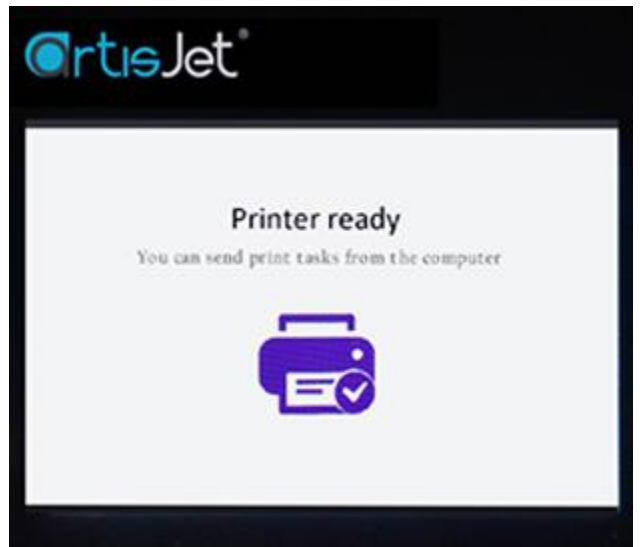
ArtisJet

Printer ready

You can send print tasks from the computer

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

Install the design software & print software

Insert the USB drive (artis Young) & 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 Workstaion for Young Install V4.0 Beta.exe**" and install it.

Fig.14 – Insert the USB drive (artis Young) & the Design Software dongle (artisRIP V9.0)
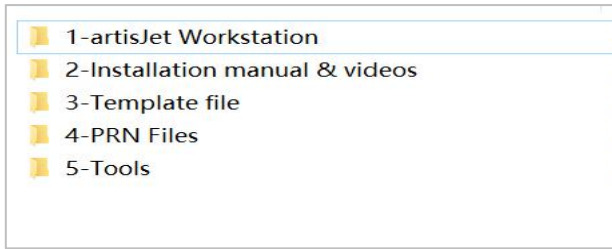
1-artisJet Workstation
2-Installation manual & videos
3-Template file
4-PRN Files
5-Tools

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

Install the Print Software (artisJet Young Work Station).

In the "**1-artisJet Workstation**" folder, double click on the "**artisJet workstation for Young.exe**" file. The "**Setup – artisJet workstation for Young V4.0**" window will open. Follow the steps as instructed by the driver installer.
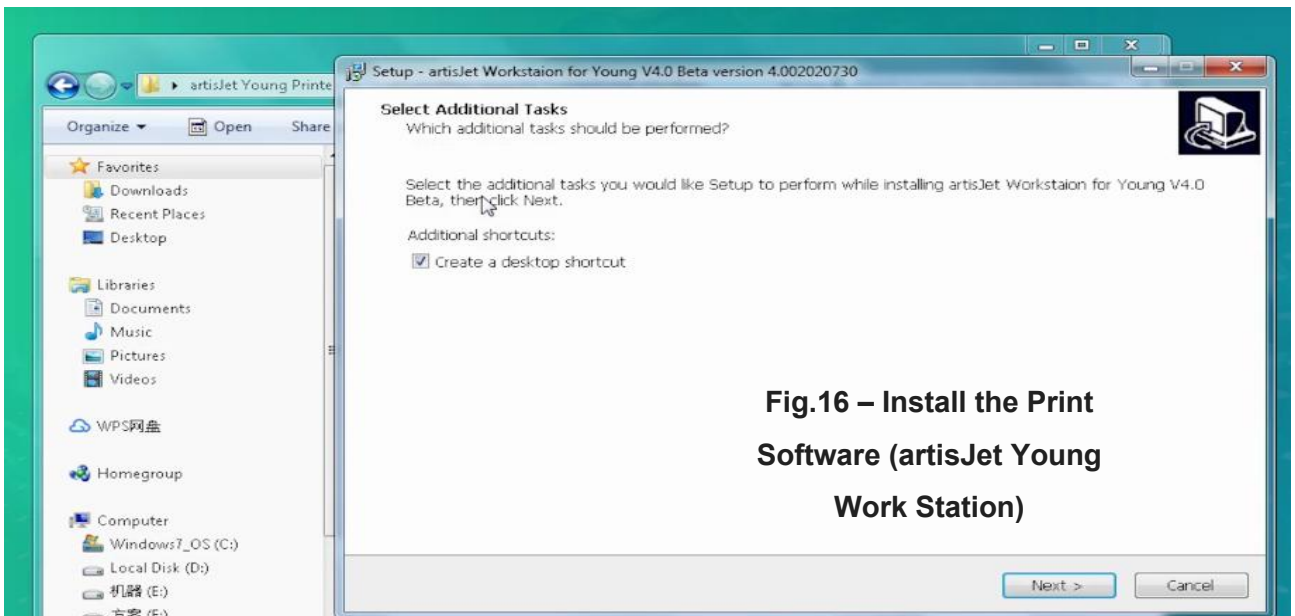

Fig.16 – Install the Print Software (artisJet Young Work Station)

After installation process is complete, the software icon will appear.

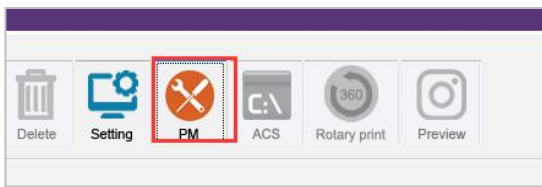Double click the "**artisJet Young Work Station**" icon to open the Print Software.

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.

Fig.17-Click PM icon from workstation, choose "Ink Charging for Maintenance." to perform ink pumping automaically.

The process will last around 8 mins.
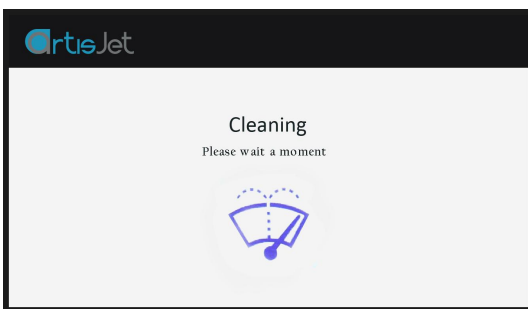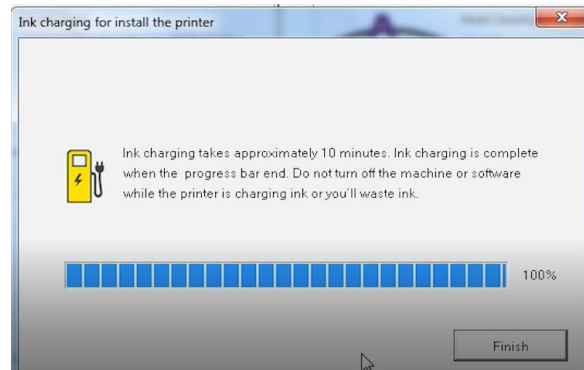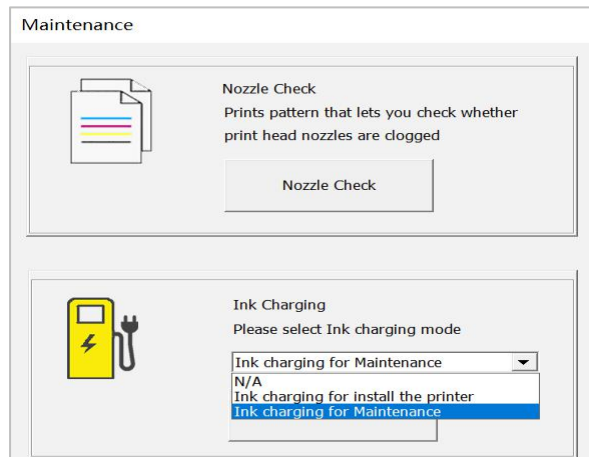
Fig.18 – Click the "Clean" button on the control panel for 2 times; the "Cleaning" message will be displayed on the screen

7. Printing quality test

Proceed the nozzle check

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

Fig.19 – Connect the USB cable

Uncover the films of multi-mat and place it to flat table.

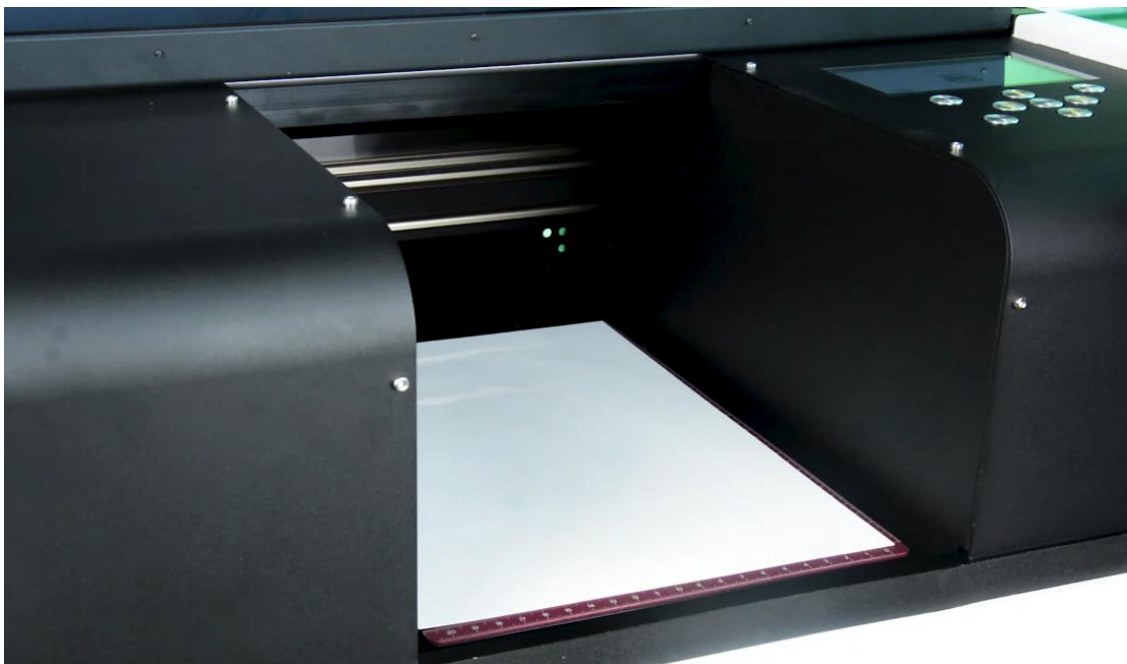**Fig.20 – Take one piece of E-fixture matt and peel off the film one side only**

Fig.21 – 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 [Auto position] 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.
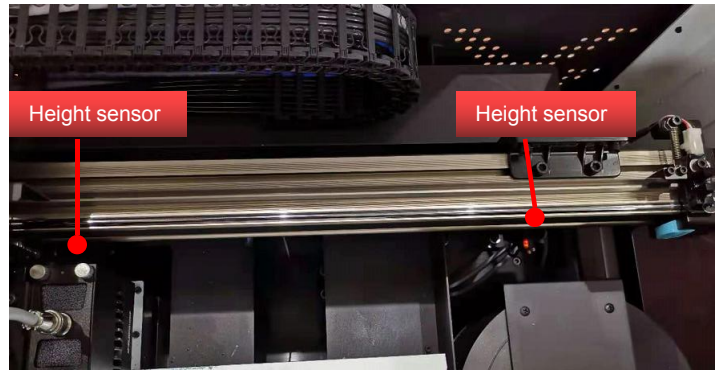
Fig.22 – Automatic height adjustment with height sensor
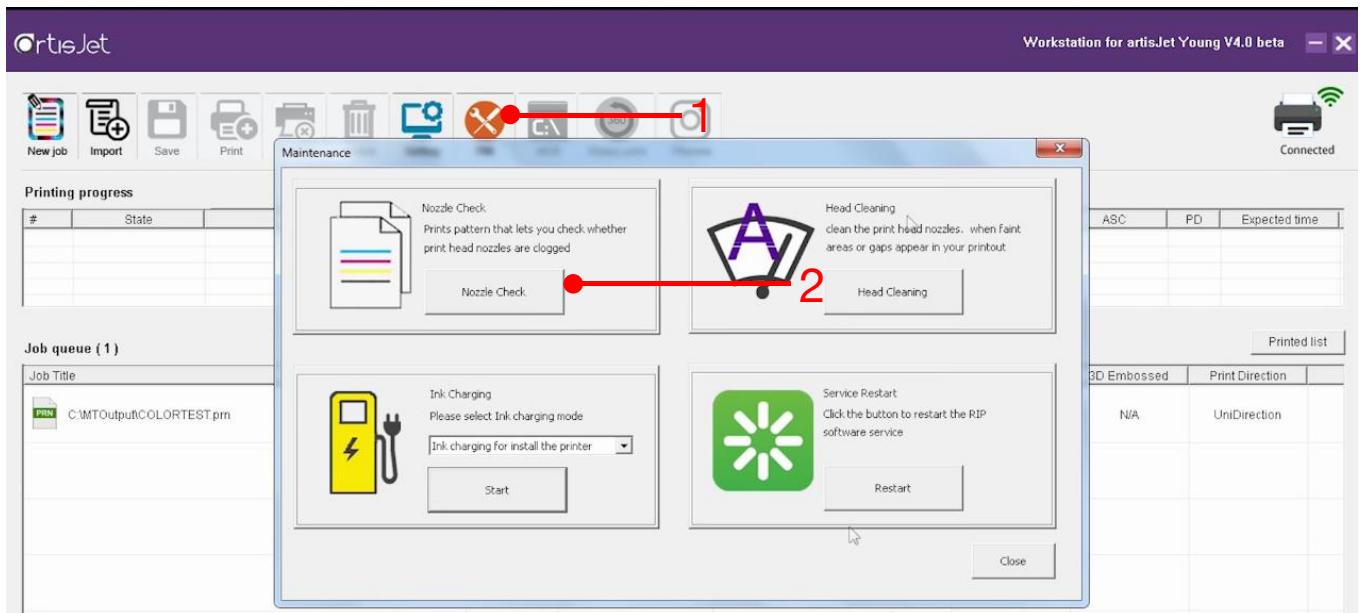
Fig.23 – On the Print Software, click on the "PM" icon (1); the "Maintenance" window will open; click on the "Nozzle Check" button (2); wait till the screen states "Print Complete"
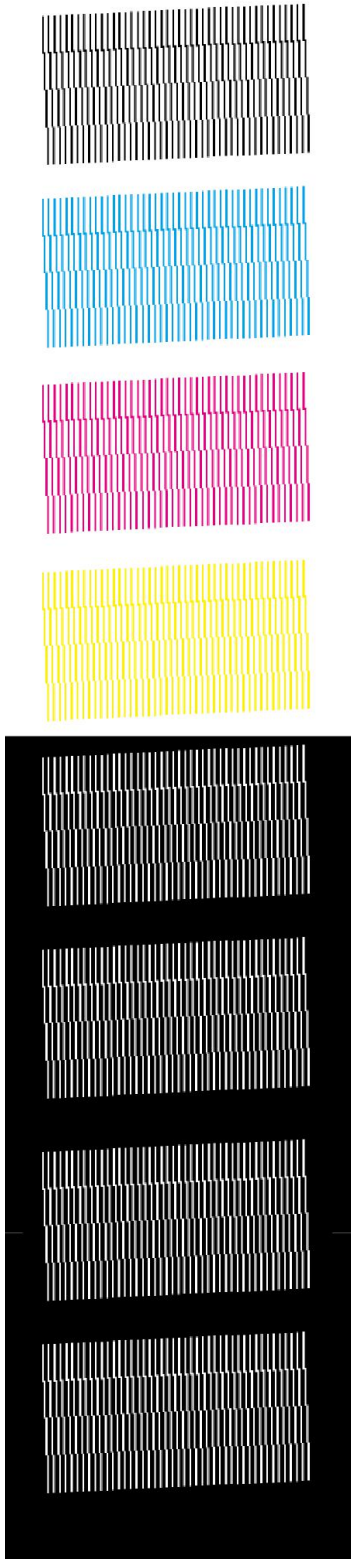

Fig.24 – Good quality. Continue.
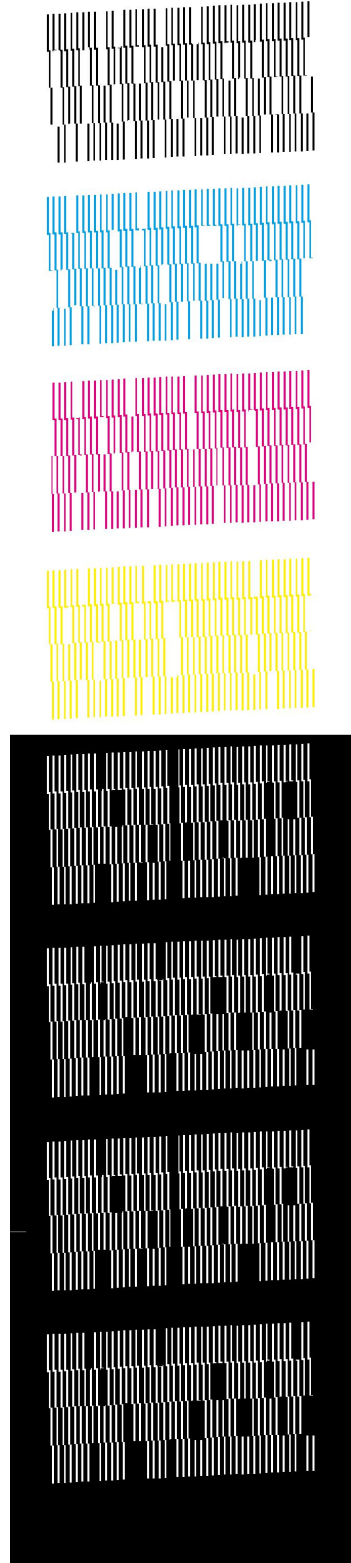

Fig.25 – Bad quality. Repeat the SPI + CLEAN process

Correctly load & print the templates

The first step is to print color test image onto the table (**Fig. 26**).

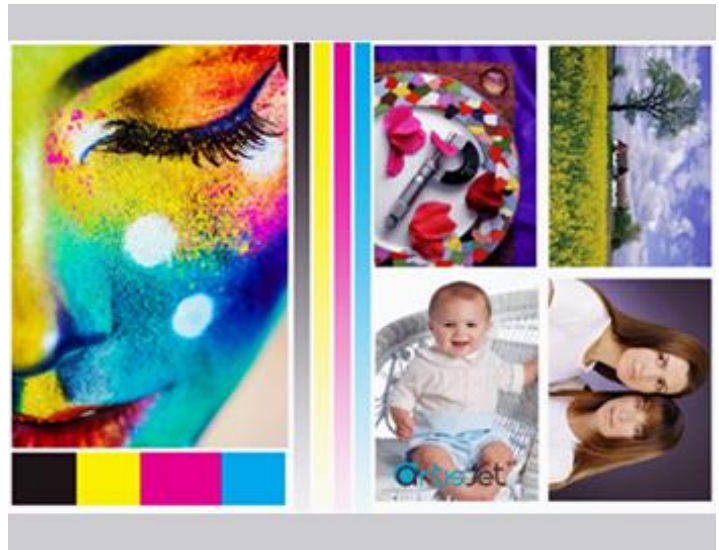From the Print Software, click on the icon (**Fig.27**) to open the prn file(**Fig.28**) and print it (**Fig.29**).
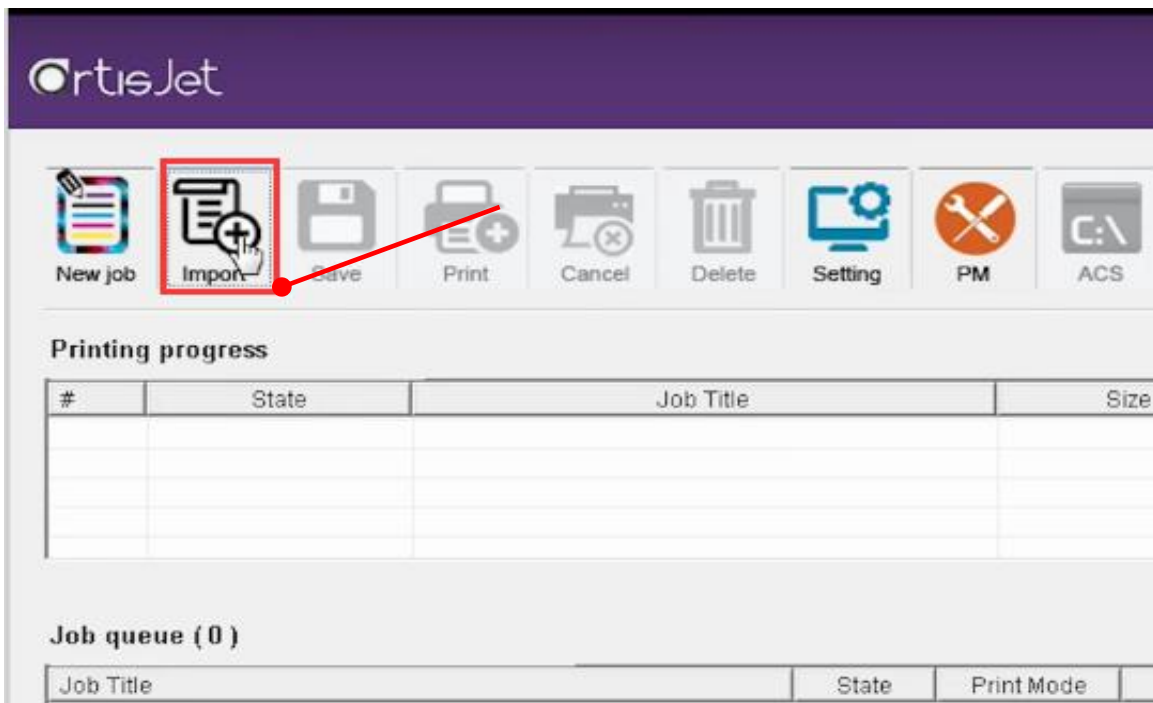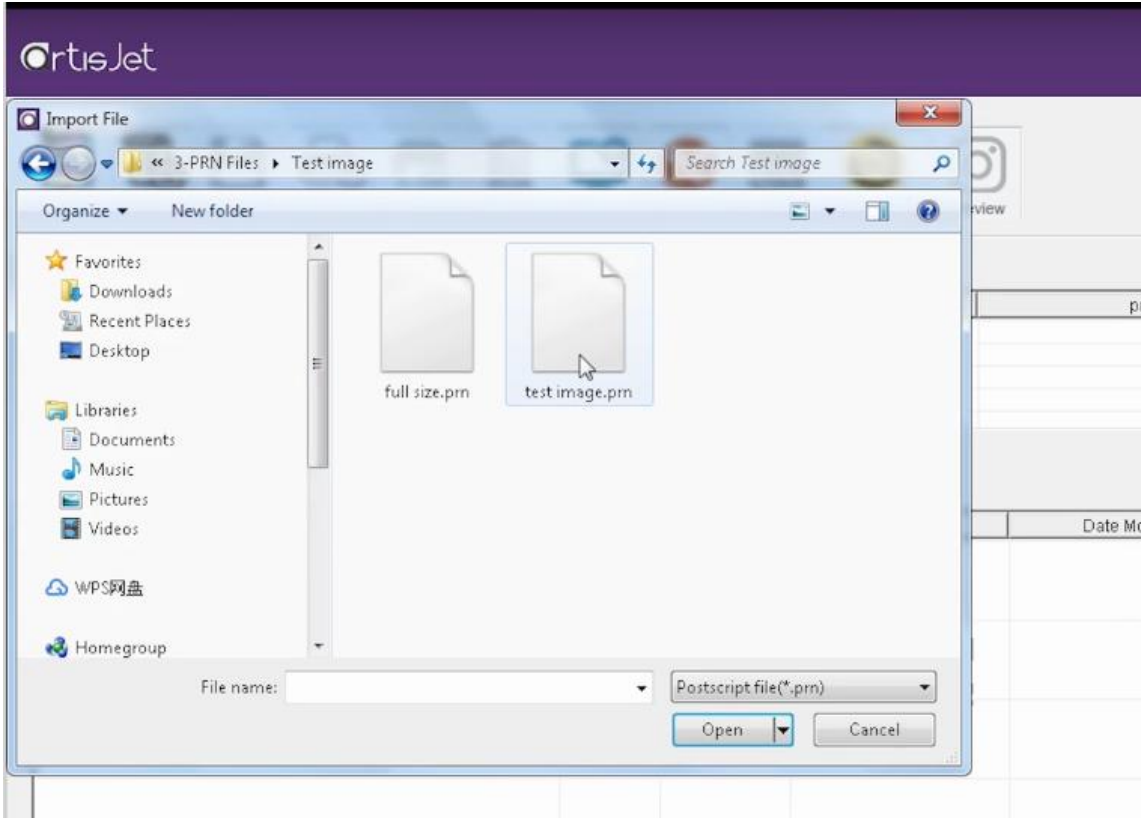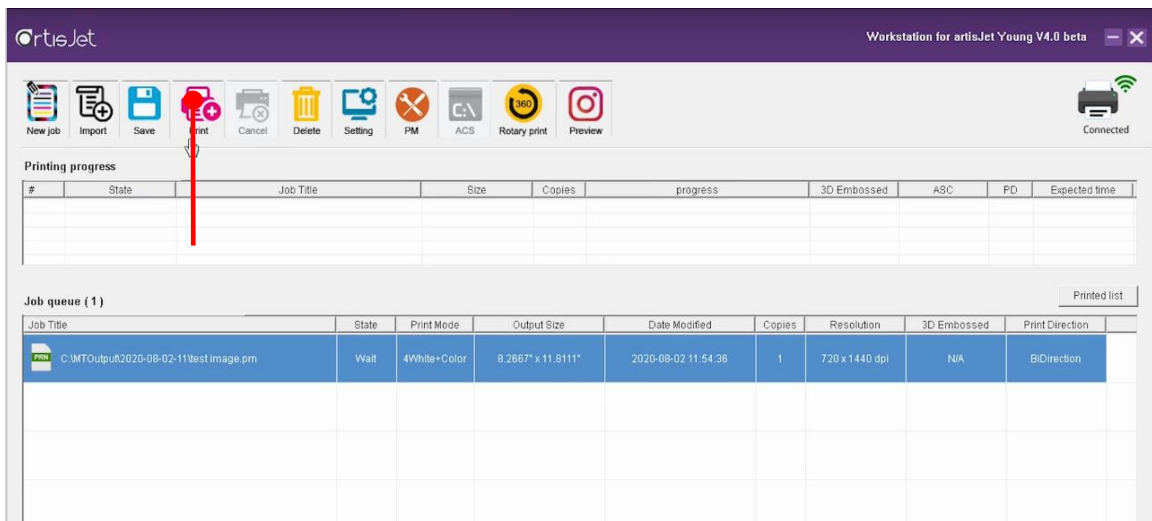

Fig.26 - Color test image

Fig.27 – 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.28 – Open the "Color test image.prn"

Fig.29 – Go to the Print Software and click on the "Print" icon
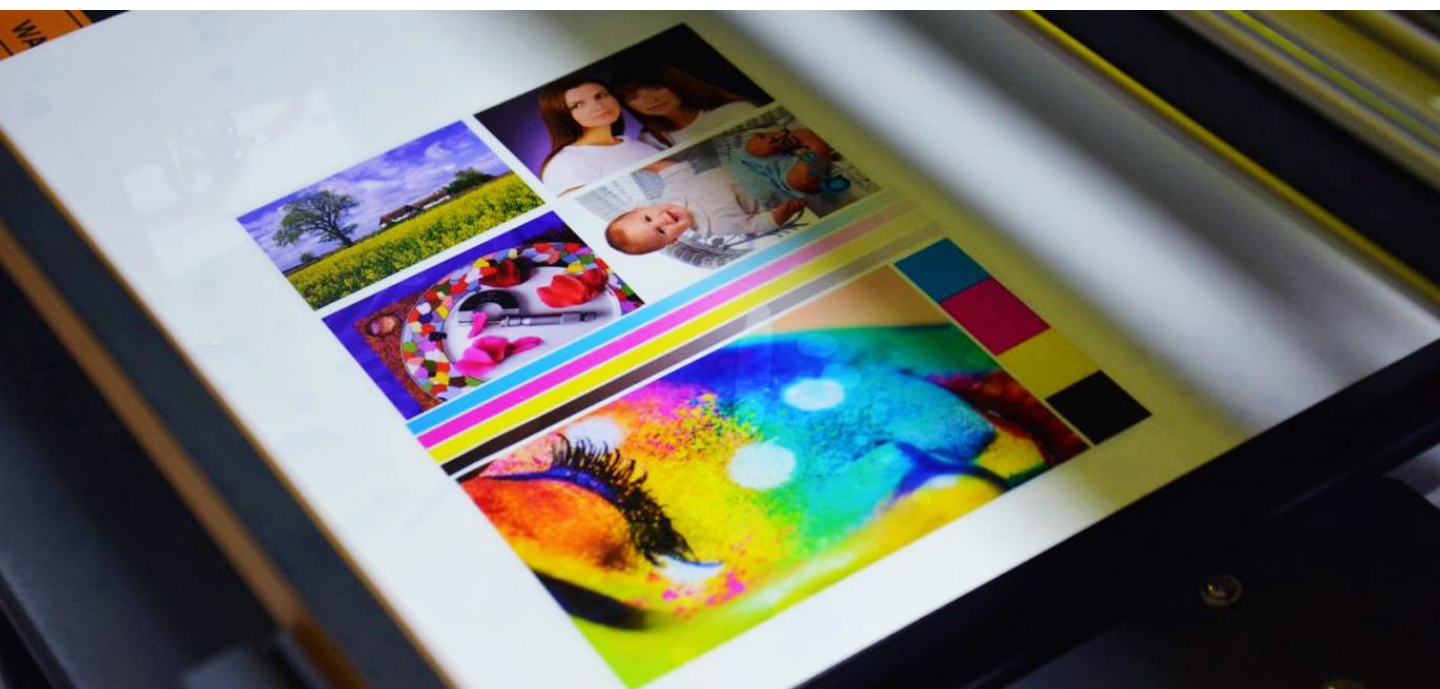
Fig.30 – color test image printing

Fig.31 – Print result

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For each product, there might be different printing height.

artis Young provides automatic height adjustment for different products.

Click the "**Auto Position**" button on the control panel, then the working table will return to its back position and will adjust the height.
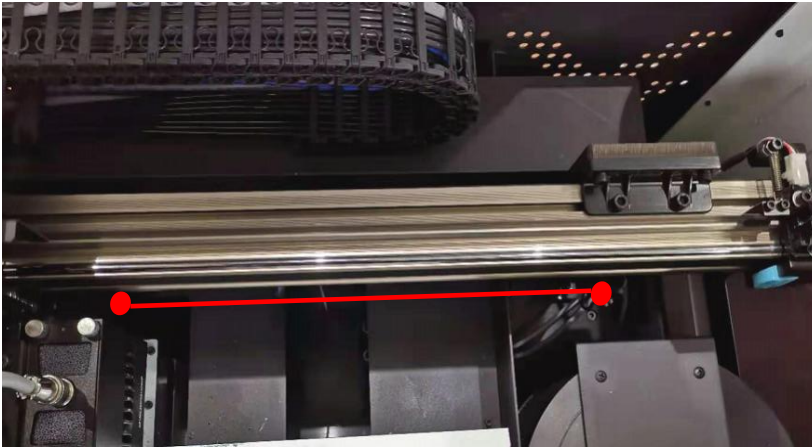

Fig.32 – Place product on the working table; it must be in front of the height sensors

Fig.33 – Auto-detecting the sample and auto-adjusting the printing height

Start the product printing

For each product, there can be different printing menus. **artisJet** provides custom menus & templates for different products. Product printing menus are available on demand.

CONTACT US FOR MORE

info@artisjet.com | ccc@artisjet.com | +86 186 11333892