NOVEMBER

2019

ArtisJet®

an innovative brand in smart size uv printers

artis 5000U

B2 LED UV PRINTER



ARTISJET WORKSTATION V3.2 BETA

USER MANUAL & WORKING SECTIONS

ABOUT THIS FILE

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

The contents herein will guide you through the whole procedures of the initial setup and working process of the **artisJet Workstation for artis 5000U B2 LED UV 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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INTRODUCTION

1. OVERVIEW

artisJet Workstation is a printing task management and output system, which is used to manage all PRN format printing tasks and printing workflow output from RIP image processing software.

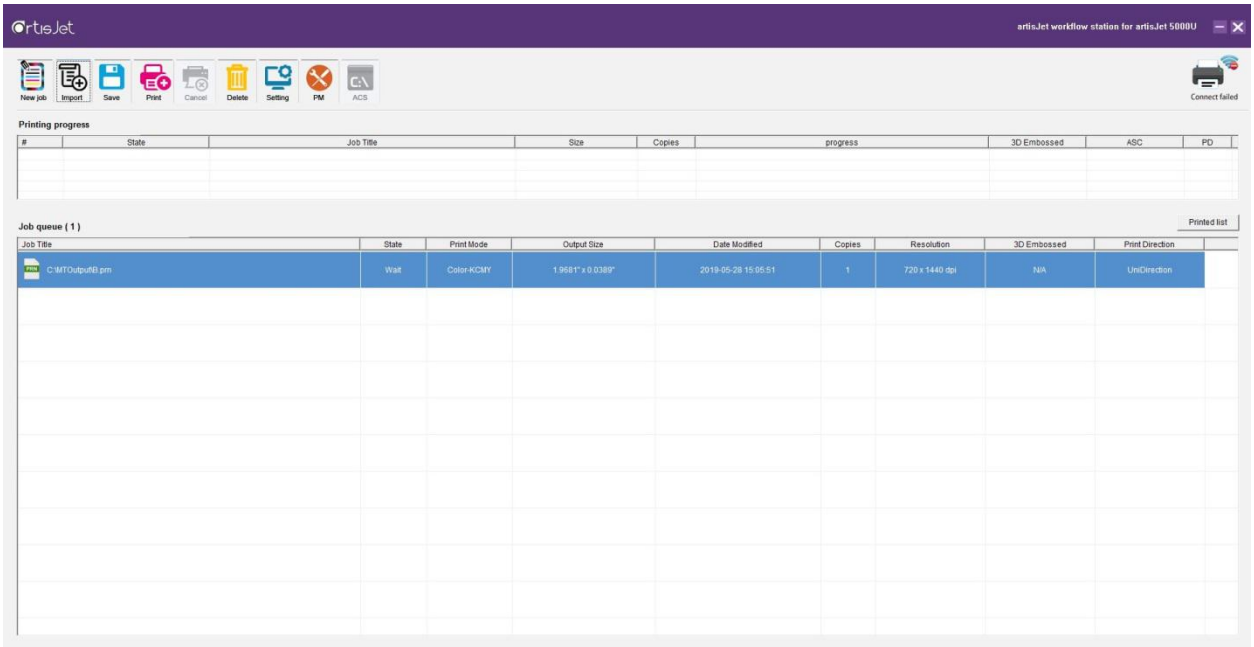


Fig. 1 – Screen from artisJet Workflow Station with artis 5000U B2 LED UV printer

With new workflow of artisJet Workstation, we can batch-import print task files in PostScript (PRN) format, saved by customers or designers. We can easily add, delete, and cancel tasks and automatically capture task files that output from RIP Software. For batch reprinting, the number of printed copies can be easily defined by one key. The 3D option can directly convert the ordinary plane printing effect into embossed printing effect.

With ACS instruction system, embossed effect which could be realized by printing many times, it can be effective for mass production. This technology greatly reduces the time of manual operation. The unique Braille convex dot stacking algorithm makes it easy to print Braille quickly and efficiently. Open API interface mode to achieve more printing possibilities.

SUPPORT	COMPATIBILITY
File format	PRN
Color mode	KCMY / KCMY + WWWW / WWWW + KCMY WWWW / VV / VVVV / KCMY + WW WW + KCMY / WWWWWWWW
Printing modes	4PASS 8 PASS 16PASS
Printer model	artis 5000U V1.0
Braille print support	YES
3D embossed effect print support	YES
Instruction system (ACS)	YES
Custom ink channel	YES
API interface	YES (HOT FOLDER)

Fig. 2 – Features support and compatibility

2. NEW FUNCTIONS

a. **Customized function of ink channel -** it can flexibly adjust the ink color and nozzle sequence, replace the blocked nozzle sequence, and improve the service life of the nozzle.
b. **Self-starting function**
c. **Optional settings -** refer to tasks print directly or wait for printing.

3. INSTALLATION

The installation of artisJet Workstation is very fast and simple, and you can get the installation file (artisJet workstation for artis 5000U V.3.2 Beta install.exe) through the following channels:

a. **When purchasing software or equipment** - it is obtained in a randomly configured USB installation package;
b. **Download from artisJet official website:** http://www.artisJet.com/software/artisJet_Workstaion_for_5000U_Install_V3.2_Beat.zip

Installing **artisJet Workstation** requires logging on to your computer using a computer account with administrator privileges.
artisJet Software Installation Wizard will take you through the installation steps of the software.

Supported system

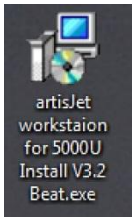
Windows 7	Windows 8.1	Windows 10
✓	✓	✓
• Intel® 2GHz Pentium® 4 processor, or AMD Athlon® with 64bit support • 4GB minimum RAM memory (16GB recommended) • 256GB minimum hard disk (512GB recommended)		

Language

The artisJet Workstation's user interface is available in two supported languages: **English** and **Chinese.**

Installation steps

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. 3**). Please select the installation path or use the default recommended installation path; click "**Next**" to continue the installation steps and procedures (**Fig. 4**).

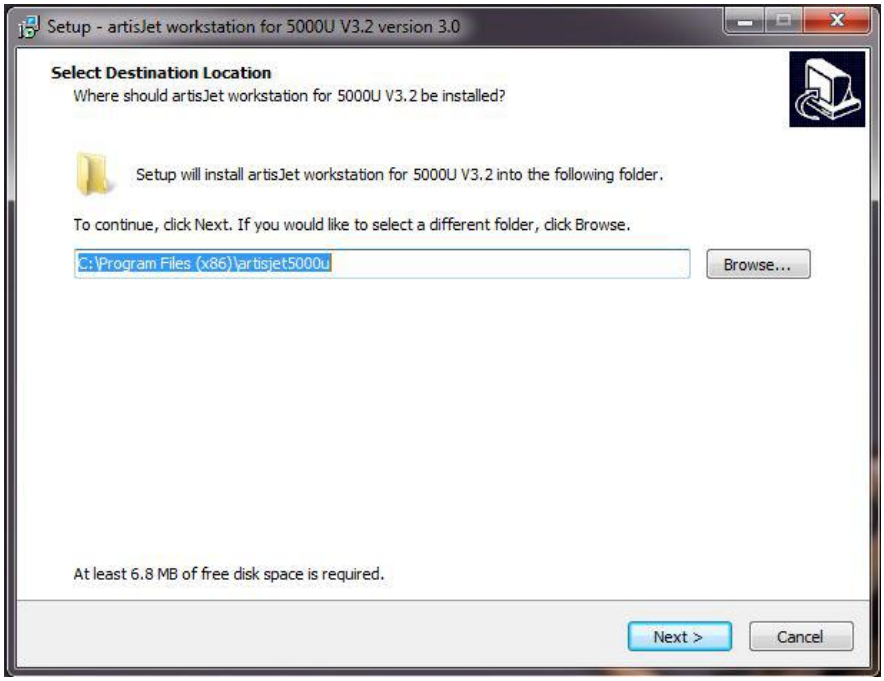


Fig. 3 – Installation wizard window – folder path

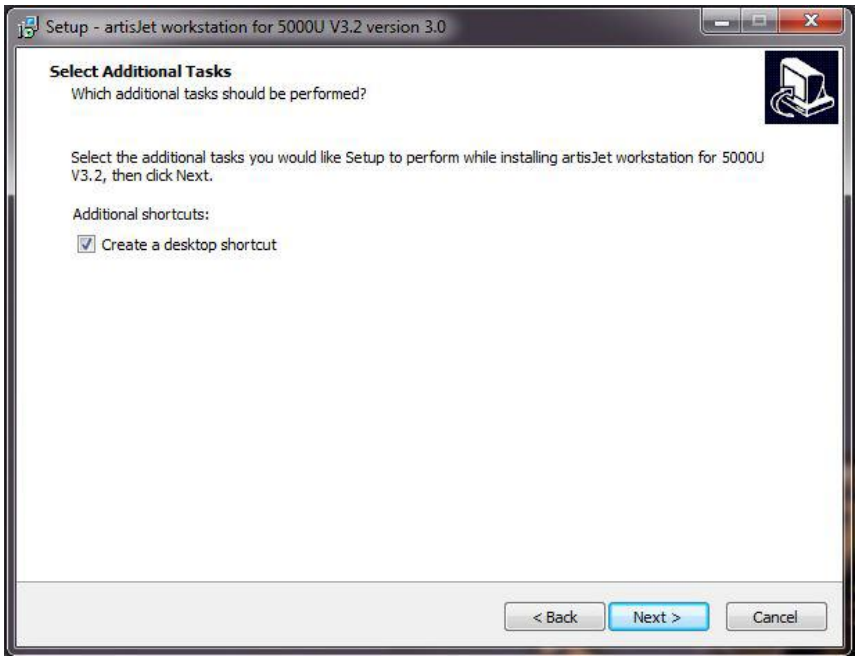


Fig. 4 – Installation wizard window – additional tasks

Step 3 - Click the "Install" button to initialize the installation process (**Fig. 5**).

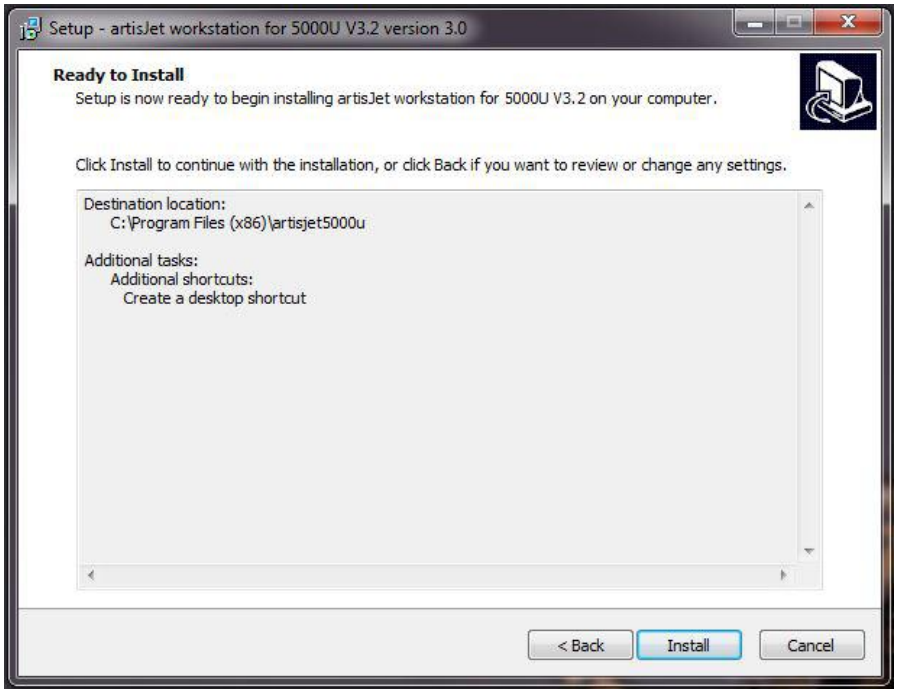


Fig. 5 – Initialize installation process

Step 4 – Click "**Finish**" to complete the installation process (**Fig. 6**).

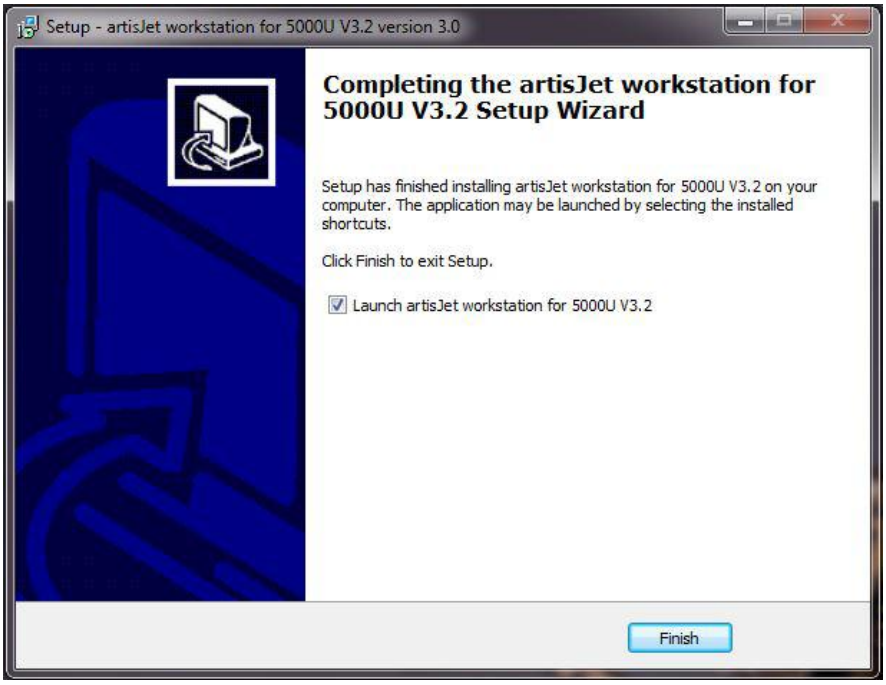
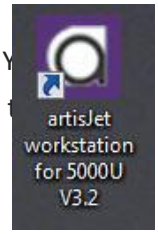


Fig. 6 – Complete the installation

Step 5 – after installation, the shortcut with artisJet Workstation for 5000U V3.2 will on the desktop of PC; click on the artisJet shortcut to run the software.
also access the software project by clicking "Start" from the PC task bar and clicking all.



Uninstall

If you want to install the latest version, uninstall the old installation file first.
Click the uninstall wizard to uninstall (**unins000.exe**).
An "uninstall window" will pop up to confirm or cancel the removal of the artisJet Workstation old version.



START USING ARTISJET WORKSTATION

1. USER INTERFACE

Before using **artisJet Workstation,** please read the following instructions carefully to know the functions and operations guide of each button.

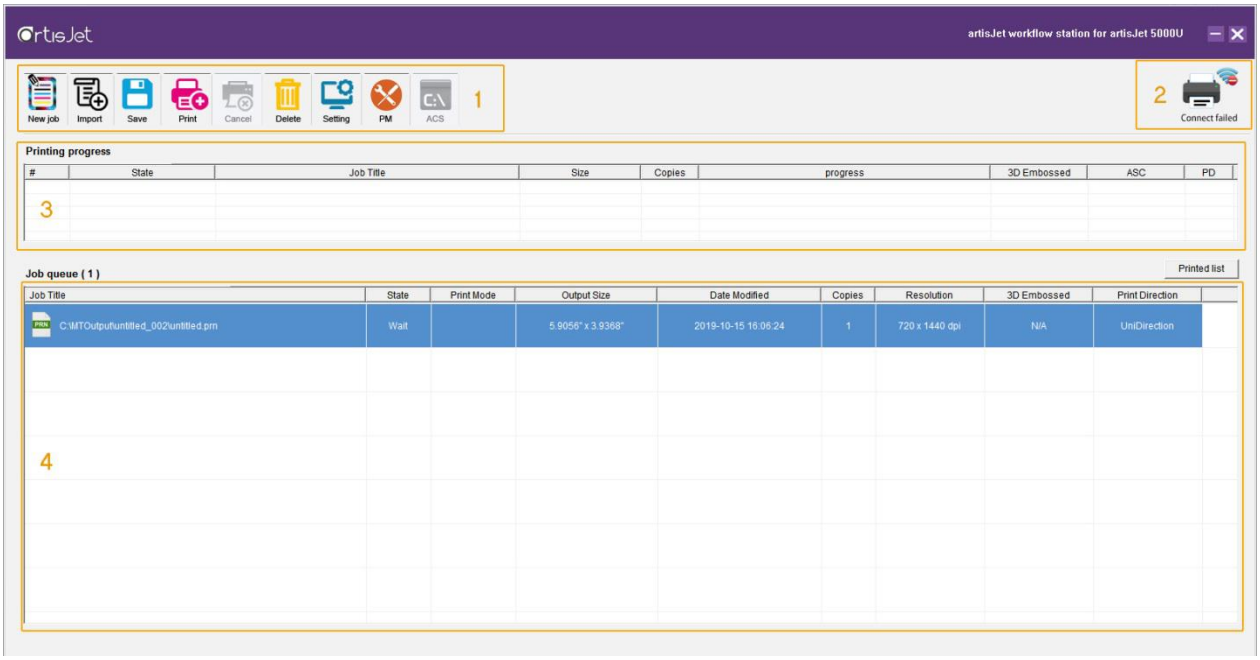


Fig. 7 – artisJet Workstation interface (main tabs)

1 The yellow border marking area in the upper left corner is the functional area, which can help you complete the import, printing, and various settings that are needed in printing.

2 The area in the upper right corner is the connection status between the PC and the printer (disconnected or connected). The print task and instructions can only be sent to the printer when connected.

3 Printing progress is the print job area. And the tasks in this area will be sent to the printer for printing.

4 Job queue is a printable task queue area. In this area, you can make various settings for printing tasks, including the number of copies to be printed, unidirection and bidirection settings; 3D embossed and Braille printing settings.

2. FUNCTIONAL AREA

FUNCTIONS	CHARACTERISTICS
	Double click it to start and open RIP editing software. In RIP software you can typeset pictures and text, and generate print tasks to task list.
	The “Import” function is used to print the task file saved or backed up by the customer. It is suitable for repeated production of the same print matter and pattern. At the same time, it can also meet the confidentiality and security of customer image files. Select the path of the file and choose PRN file, you can import up to 500 files at a time. PRN file path can be on PC hard disk and USB storage (**Fig. 8**).
	Click to transfer or back up print tasks to any location. It is easy to backup and store print files (**Fig. 9**).
	Select tasks in the **Job queue** that needs to be printed, and then click this button. Tasks will be sent to the **Printing progress** list for printing (**Fig. 10**).
	Cancels any tasks that have not started printing. If you want to cancel tasks during printing, you can click the “Cancel” button on the printer’s control panel.
	Used to delete tasks in a queue.
	Click to access the settings features / settings dialog box (**Fig. 11**).
	Printer Maintenance (**Fig. 12**).

ACS	This button can be clicked after a task was selected in the print queue (**Fig. 14**).

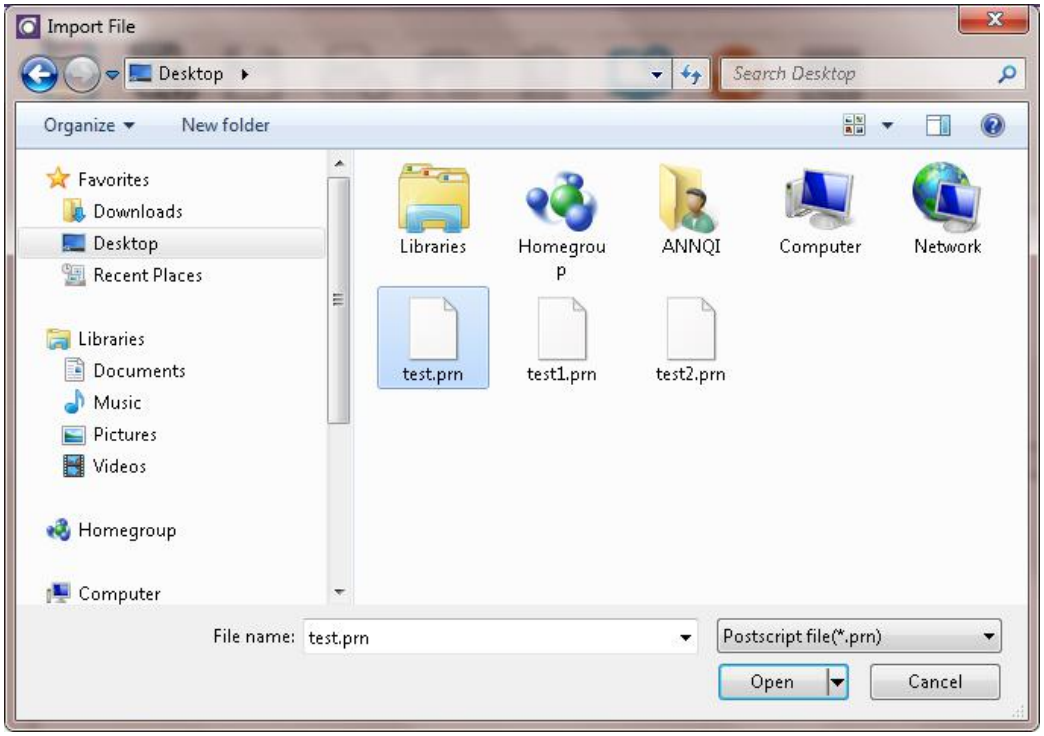


Fig. 8 – Import file

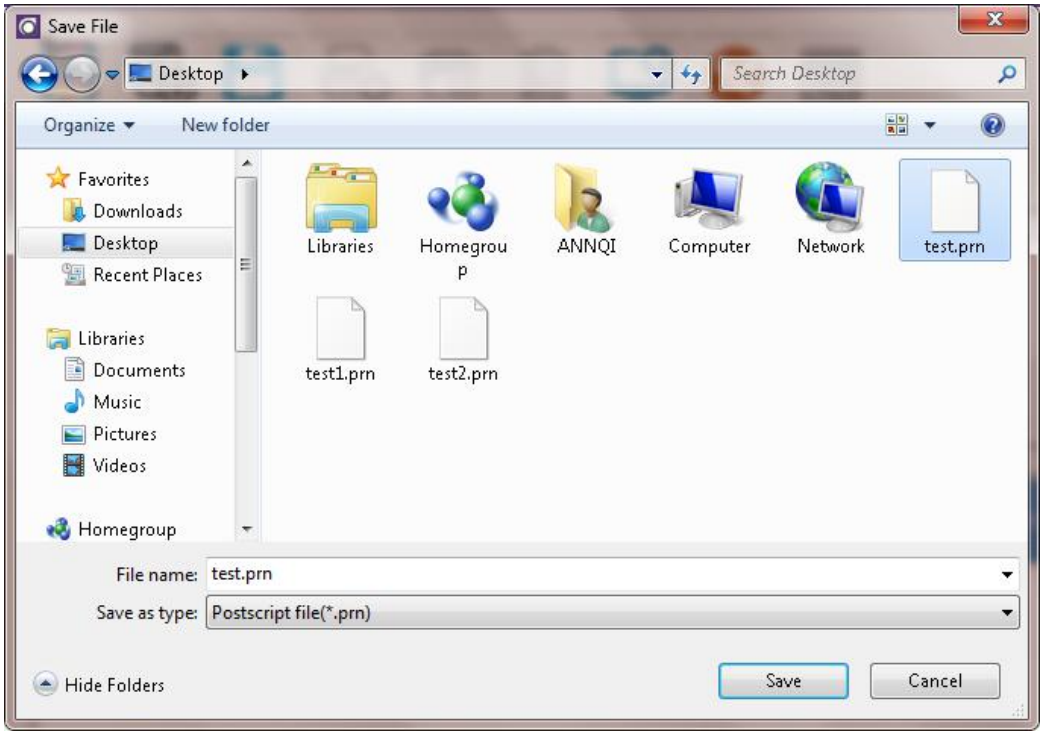


Fig. 9 – Save file

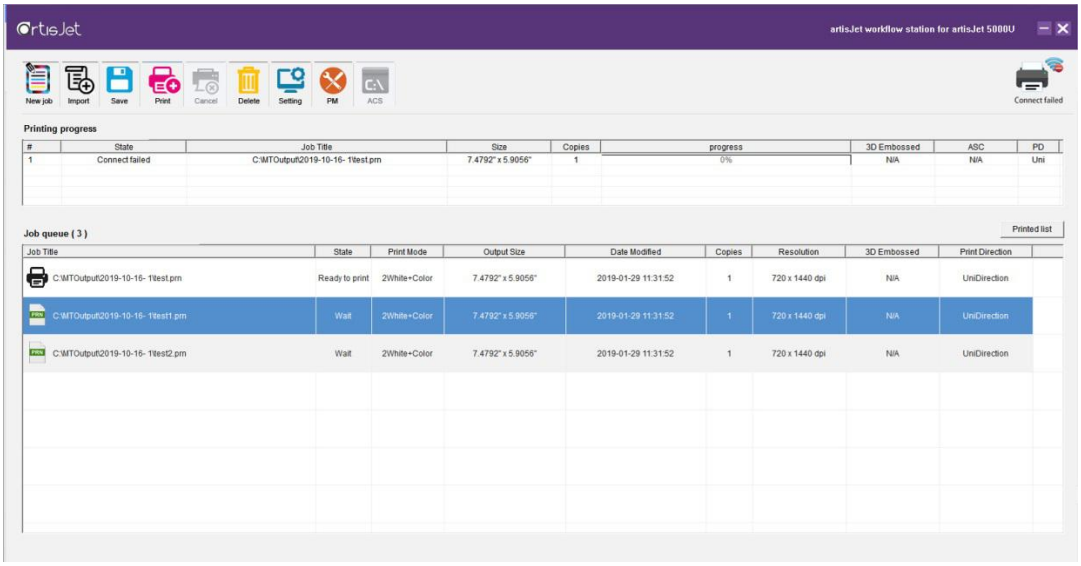


Fig. 10 – Printing task

Settings dialog box details

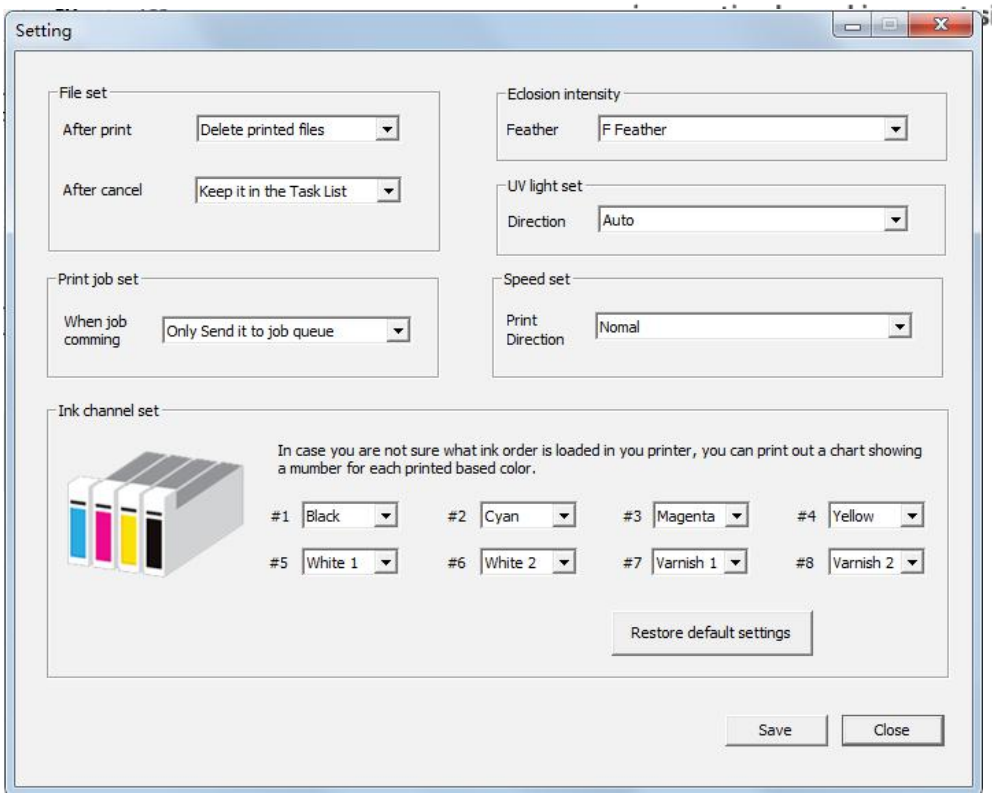


Fig. 11 – Settings dialog box (detailed explanations in the below points "a" to "g")

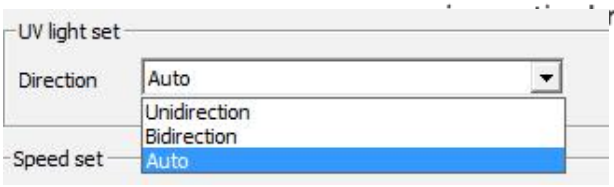
a. **After print**- choose to back up the print file or clear the print file after the print task is finished

b. **After cancel**- choose to clear the print file or keep the print file in the work queue when the print job is canceled during printing process

c. **When job coming** --- Allow new job tasks added directly into the print queue for printing or only to be added to the job queue

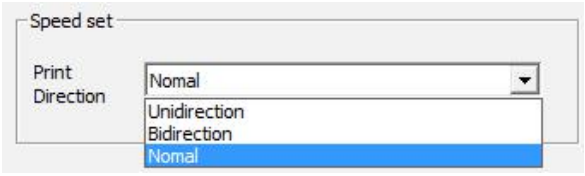
d. **Feather---** PASS marks and Banding can be effectively reduced by feather. So the printing results can be smoother. Feather will reduce printing speed. F-Feather has the slowest printing speed but the smoothest effect. In general, S-Feather is suitable for lines, text-based patterns. M-Feather is suitable for figures, patterns with more color changes. F-Feather is suitable for solid color or dark pattern printing.

e. **UV Light Set** - UV lamp direction setting



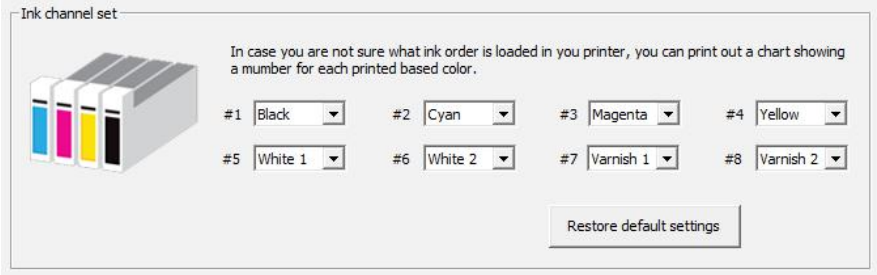
Auto Settings - when the print job is bidirectional, UV lamp will be on whether printing to the left or right. When the print job is unidirectional, the UV lamp will light up when printing to the left.
Unidirection - the UV lamp will light up when you print to the left.
Bidirection - the UV lamp will light up when you print to the right.

f. **Print Direction** - Print speed settings



Normal setting - printing direction will be the default printing direction.
Unidirection/ Bidirection setting - printing direction will be the same as the setting. You can also set the print direction for each print task in the job queue separately.

g. **Ink Channel Set--- ink order setting**



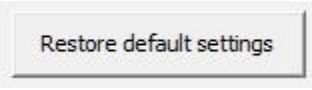
The ink channel settings depend on the printer's factory default ink order and the recommended default ink order for artisJet 5000U (8 color printer) is:

KCMYWWVV / KCMYWWWW

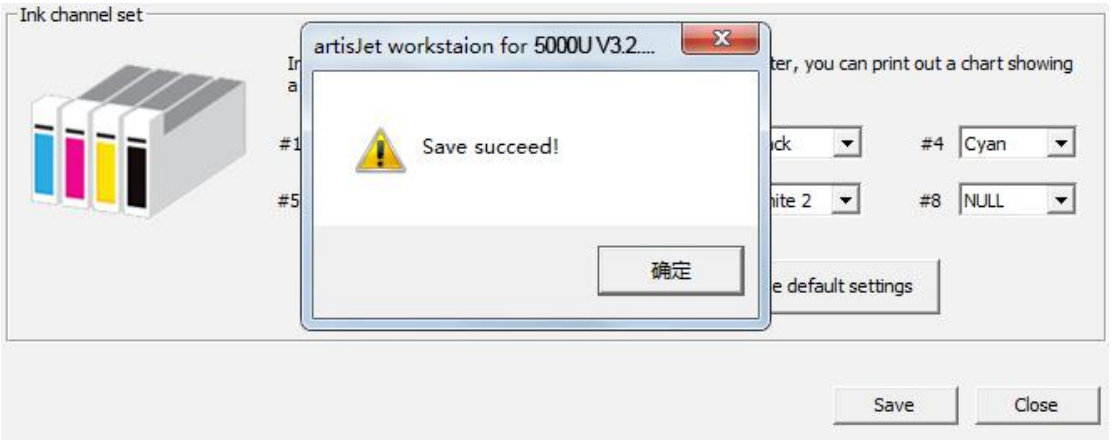


Of course, you can customize the ink channel according to the actual installation of the cartridge and the colors order from the actual nozzle check. For example, the first nozzle prints yellow, and # 1 is set to Yellow. The nozzle can be turned off when the channel is set to NULL. For example, the nozzle of White 1 is clogged. In order not to affect the print quality, you can choose to close White 1 and just use White 2.

Click the **Restore the default settings** button to restore the factory ink order setting.



Click the save button to save all changes. Click the cancel button to exit the print settings



Printer maintenance dialog box details

In the maintenance dialog box, there are nozzle inspection, installation of automatic ink guide, replacement of ink bag and other ink guide procedures. At present, the automatic ink guide programs are just applied to equipment that left the factory after 9/27/2019. All functions can be performed when the PC is connected to the printer properly.

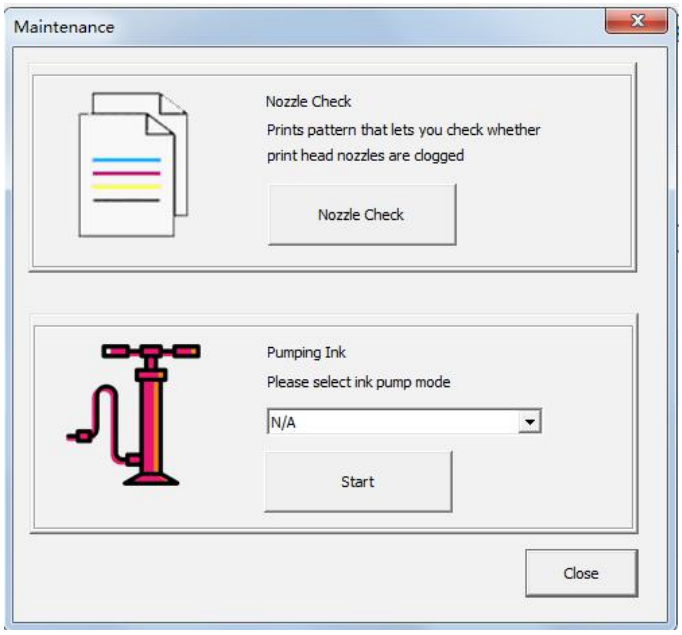


Fig. 12 – Printer Maintenance dialog box

New Machine Install takes 6-7 minutes to execute. During execution, the printer control screen will show **Cleaning.** Please wait patiently and do not turn off the printer power throughout the process. When the printer screen displays **printer ready**, you need to print test strip for nozzle verification.

New Machine Install and other related functions are only auxiliary functions, which cannot guarantee the success of ink guide with one take. After completing the ink guide, if the nozzle test bar is not ideal or there is no printing ink, you can press the **PUMP / SPI** and **CLEAN** buttons on control panel to continue the ink installation process.

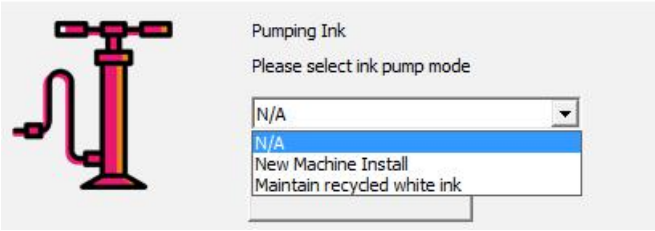


Fig. 13 – New Machine Install and other functions

artisJet Command System (ACS) details

At present, there are two instructions, "platform return to origin instruction" and "platform return to origin and adjust print height automatically instruction", for customers to choose. Select the desired instruction and click the **OK / Save button**, which will be inserted at the end of the print task. The instruction will be sent to the printer automatically after the print task is finished.
For complex embossed effect, Braille, image mixing and other printing tasks which needs multiple printing task, you just need to set once by ACS and can be completed at one time without manual intervention, which greatly saves the labor cost.

At the same time, for customers with system integration, ACS can play an important role in unattended pipeline printing.

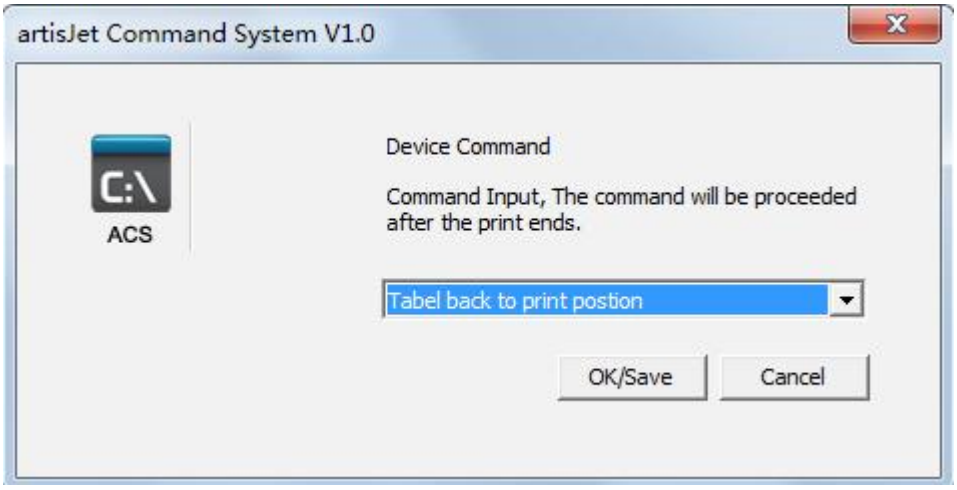


Fig. 14 – artisJet Command System window

3. CONNECTION STATUS

Turn on the printer power and make sure the printer is connected with the USB cable of the pc. When the connection state located in the upper right corner shows **Connected**, the printer is connected with the artisJet workstation successfully and can print as usual.

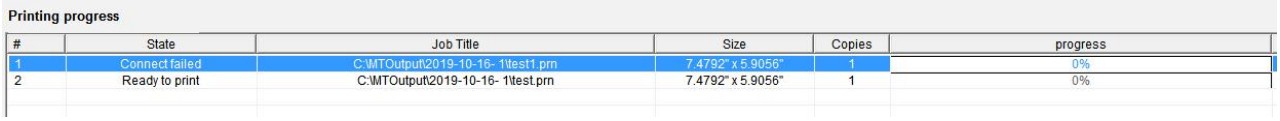


When the connection status in the upper right corner shows **Connect failed**, printer failed to connect with the artisJet workstation. Please check the data cable connection, power supply, and the printer USB driver installation.

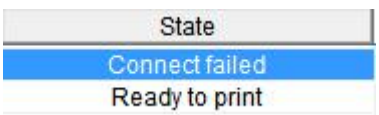


4. PRINTING PROGRESS

Printing progress displays the task being printed and the task queue to be printed. The window is as follows:



Print task queue status bar:

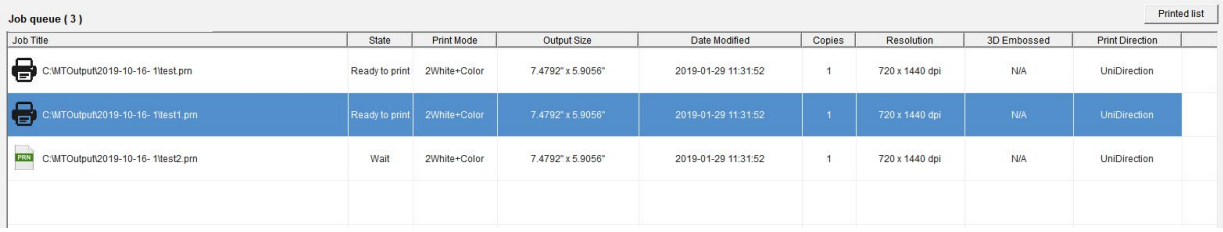


Connect failed - The connection to the printer failed or was disconnected. And the print task cannot be performed.

Printing - Task printing

Media / Table out - Printer platform does not return to the origin. The print task will be send after returning. The task will be cleared from the task queue list when the print is complete.

5. JOB QUEUE



Select the tasks in the Job queue that need to be printed and click 

button, the task will be sent to the Printing progress list for printing. The meaning of the display text in the status bar:

Ready to print - the task has been sent to the Printing progress list and is waiting to print.

Printing- The task is being printed.

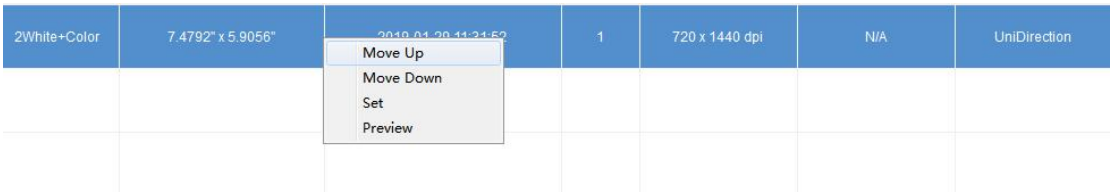
Wait - The task can be sent to the print list.

Generating data - The task file is being generated.

Error - The task file does not meet the printing criteria, which exceeds the printer's maximum print size or is in an error format.

Attention: You can click **Cancel** button in Functional area to cancel tasks which statue is **Ready to print**. If you want to cancel tasks which status is **Printing**, please click the cancel button on the **Control Panel**.

Right-click a task in the work queue to find the context menu:



Move up and **Move Down** are used to adjust the position and order of tasks in the list. By clicking on the **Set** button will pop up the task settings dialog box. You can set copies, 3D embossed effect, print direction and other properties in this dialog box.

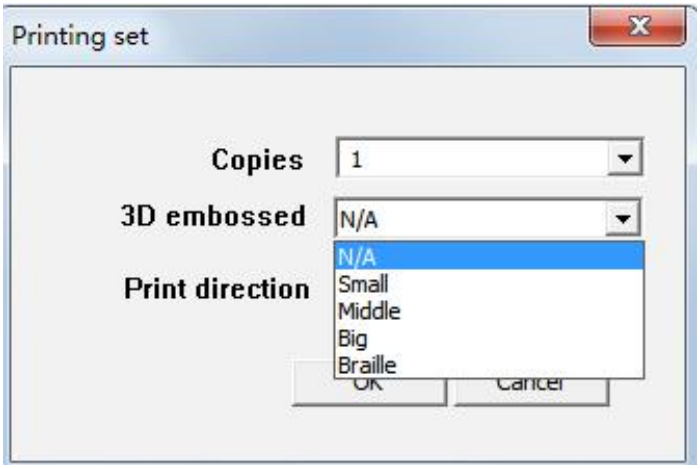


Fig. 15 – Print effects setup window from

Copies - Sets the repetition of the task to print multiple times without the need to regenerate the task

3D embossed - It used to print 3D embossed and braille. Choose the Braille option when you need to output a Braille dot pattern as a task. **Small, Middle, Big** correspond to 3D embossed effect, representing the thickness of white ink being stacked.

The thickness of **Small** is the smallest and that of **Big** is the thickest. If the **BIG** printing result cannot reach the expected thickness, the printing thickness can be increased by setting **Copies** to print repeatedly.

Note: 3D embossed will not work on color or varnish but just for white printing. The suitable printing modes are WW / WWWW / WWKCMY / KCMYWW / WWWWKCMY / KCMYWWWW.