OrtisJet[®] amaze those you value

USER MAUNAL of artisJet RIP design software (v9.0)



About this file

Thank you for choosing artisJet and 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 RIP design software (V9.0).

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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PART 1. INTRODUCTION

Overview

artisJet RIP v9.0 image typesetting output system is used to design, typeset and output the imagine and text files into the PRN (postscript) file format recognized by the printer, and print the task through the artisJet workstation.



Fig- Interface artisJet RIP

With the new image processing flow of artisJetRIP v9.0, you can process image documents of various formats created by users or designers, and perform operations such as print size, print location, and editing. At the same time, you can save or encrypt the arranged documents in artisJet's proprietary TPF file format for reuse.

artisJetRIP v9.0 color management engine can easily help customers automatically create color layer, white layer and optical layer print data, making task output more convenient; artisJetRIP v9.0 template can quickly arrange and create multiple document layouts based on the customer's single document image, which is 60% more efficient than traditional typesetting.

Supported and compatible features



File Format	jpg, tiff, eps, pdf, bmp, psd, pdf, ai etc.
Color Modes	KCMY / KCMY+WWWW / WWWW+KCMY, WWWW / VV / VVVV / KCMY+WW / WW+KCMY / WWWWWWW
Printing Modes	4Pass 8Pass 16Pass
Supported Printer Model	artisJet Young artisJet 3000U pro artisJet 5000U pro artisJet Pro V artiJet Proud

Functions

• Installation and activation

artisJet RIP v9.0 doesn't need to install separately. It's already install with installation of work station.Only Dongle needed for running. You can obtain the software encryption key (Dongle) artisJet RIP v9.0 for all Printer Model through the following channels:

- a) When purchasing software or devices, obtain the Dongle with the machine.
- b) artisJet software encryption key (Dongle) is a hardware device that can be connected to the USB port of the computer; Connect the encryption key (Dongle) to the computer to run the artisJet RIP v9.0 software.



• Computer system requirements

Supported Systems

Windows 7	Windows 10	Windows 11
Windows 7	Windows 10	Windows 11



V	\checkmark	V
Recommended Configuration:		
• 2.2~3.8GHz Clock Speed to CF	U	
• 4GB minimum RAM memory (8	GB recommended)	
• 256GB minimum hard disk (512	GB recommended)	
• 20GB minimum hard disk in C c	isk (100G is recommended)	

• language

- a. English
- b. Spanish
- c. Chinese (Simplified)
- d. Chinese (Traditional)

PART 2. WORKING FLOW

User interface

Before starting to use artisJet RIP v9.0, you are obligated to carefully understand and read the various modules of artisJet RIP v9.0 and the function information and usage of the operation keys.

Artis	sletRIP v9.0 - [untitled.tpf (97%)]	-		×	2
Si File	Edit Arrange Object Style Insert Tool View Options 1, Menu Bar		Help -		×
<u>.</u>	A. Working Area	149.14	150 175 1	<u>991 06</u>	
18 18 18 18	6.Status bar	•	Page1/1	,	~

Fig-User Interface

1) **menu bar:** including file, edit, arrange, object, typesetting, insert, tool, window and other functional entries;



- Task bar, including opening, saving, printing, copying, size and position adjustment and other functions;
- 3) **Toolbar**, displaying the operation buttons of pictures, text and graphics;
- 4) Working area. The size of the editing area generally sets the size of the print media or is larger than the size of the print media. All design (size, location, etc.) of the picture and text will be completed here;
- 5) **Ruler,** which is divided into horizontal and vertical directions, and can assist users to locate pictures and text placement areas;
- 6) **Status bar,** which displays information about the picture page.

• Interface customization

Click the View option in the menu bar from the top area to expand all options in the work area in the user interface. Click to select the corresponding option to display the option in the window, and click to cancel the selection to close the option.



• Floating/Docking Toolbars

Click View and select the Show Floating Toobox option. The toolbar appears in the user interface in a floating way. You can drag the toolbar to any position in the work area with the mouse. Select the Show fixed Toobox option, and the toolbar will be fixed in the left area of the user interface.



ert Tool	Viev	v Options		
3 (<i>EE</i> E		Fit in Window	Ctrl+W	
30 25		Fit in Width	Ctrl+[35 40 45 50 55
		50%	Ctrl+5	
		100%	Ctrl+1	
		200%	Ctrl+2	
		400%	Ctrl+4	
		Wireframe	Shift+F9	
	~	Show Frame Line		
		Close Ruler		
	_	Close Speed Bar		
		Show Floating Toolbox		
		Close Status		
		Panel	>	
		MainTop Input Method	Ctrl+F10	
		Title		
		Cascade		
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Take the View -->Panel -->Graph Panel as an example.

Click the minimize icon to hide the Graph Pane window. Click the maximize icon to restore the window.



• Hide floating windows

Floating windows can be hidden when not in use, saving workspace space. Click the minimize icon button on the floating window to hide the floating window, and click the maximize icon to display the floating window.



ool	Vie	w Options		
25		Fit in Window Fit in Width 50%	Ctrl+W Ctrl+[Ctrl+5	<u>≣¦a</u> 354045505560657075
		100% 200% 400% Wireframe	Ctrl+1 Ctrl+2 Ctrl+4 Shift+F9	
	~	Show Frame Line Close Ruler Hide Speedbar Show Fixed Toolbox Close Status		
		Panel MainTop Input Method Title Cascade	> Ctrl+F10	Show Character Panel Show Style Panel Show Color Panel Show Metric Panel Hide Graph Panel
	~	1 untitled.tpf (123%)		Show Graph Lib Panel

How it works

• New Page

The New option in the File menu allows you to create the size of the media you want to print. Generally, you should create a page size that is equal to or slightly larger than the size of the media you want to print. Of course, if you use a template to create multiple graphics with the same size on a page, you should create a page with the same size as the template.

🥳 /	ArtisJetRIP v9.0					
File						
	New	Ctrl+N	2	i <u>e</u> e,) B	+
	New From Template					-00 - 00 - 00-
	Open	Ctrl+O				
	Printer Setup					
	Publish					
~	Auto BootB					
	Exit	Alt+F4				
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\leq						
<u> </u>						
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In the dialog box that opens, set the size of the print media (width * length), and click OK. If the design exceeds the width or length of the page, the exceeded part will be automatically cropped and not printed.

New	X
Publication Type: General Publication	
Page: Custom C Landscape Portrait Size: 280mm X 280mm Width Length	Spacing: Top: 0mm • Bottom: 0mm • Left: 0mm •
This type is applicable to produce:	Right: 0mm
All kinds of propaganding color paper & POP posters; All kinds of packings; All manner of post cards, congratulations, invitations; All classes of faxes, envelopes; All kinds of pressworks.	 Single Master Page Left-Right Double Master Page Right-Left Double Master Page Top-Bottom Double Master Page First Page is No.0 Facing Page
	Default OK Cancel





The Page option contains some preset print media sizes. After selecting the size, the software will automatically set the page size. For example: A2, A3, A4, B3, B4, B5.....

icing: : Omm · · tom: Omm · · : Omm · · · : Omm · · · · · · · · · · · · · · · · · · ·
- - - fai

Note: The print media size should not exceed the maximum print size in the printer parameters. The following are the maximum print size parameters supported by different models of artisJet printers:

 5000U is
 500mm * 700mm

 3000U pro is
 360mm * 500mm

 Young is
 210mm*300mm

 Pro V6 is
 210mm*150mm

• Edit Page

Change the set print media size in Edit Page Options.

1. Click File in the menu bar and select Page Setup;

2. In the dialog box that opens, change the size of the print media (width * length), and click OK to save;



Page Setup	×	📑 Art	isJetRIP v9.0 - [untitled.t	pf-2 (53%)]	
		🛃 Fil	e Edit Arrange Objec	t Style Inse	rt Tool Vi
Page: Specified Siz 🗸 🔿 Landscape 💿 Portrait	ОК		New New From Template	Ctrl+N	[∄ <i>≣</i>] 50 40 30
Size: 91mm 🚽 x 128mm 🕂	Cancel		Open	Ctrl+O	
Spacing: Width * Length			Save Save As	Ctrl+S	
Top: 0mm + Bottom: 0mm +			Import Picture	Ctrl+I	
Left: 0mm + Right: 0mm +			Import Text Remove Picture	Ctrl+T	
			Remove Text		
 Single Page 			Export Picture	Ctrl+E	
C Left-Right Double Master Page		$\overline{\mathbf{O}}$	Export Text	Ctrl+R	
○ Right-Left Double Master Page		\sim	Print	Ctrl+P	
C Top-Bottom Double Master Page			Printer Setup Page Setup		
First Page is No.0 Facing Page			Auto BootB		
			Exit	Alt+F4	

• Import Images

Click the File -->Import Picture option on the menu bar, select a picture in the dialog box that appears, and click the Open button.

ArtisJetRIP v9.0 - [untitled.tpf (77%)] File Edit Arrange Object Style	🕎 Import Graph File		×
New New From Template Open Close Save Save Save As	Look in: Color test artwork	î	
Import Text Remove Picture	color block.jpg Color Test Image.jpg Photo_Quality_Te	~	
	File name: Color Test Image jpg Open Files of type: All Formats Cancel		Option 👻

The "Import Picture setting" dialog box will pop up in the window



import P	icture Setting		×
Paper:	-	1	
Adjust:	Off] 100mr	n I
🗆 Rota	Adjust to Picture Size Designate Width Designate Height	ОК	Cancel

The Adjust option in the Import Picture setting dialog box allows and helps users to automatically adjust the size of the picture to fit the size of the page.

1) When the default "Off" option is selected, the picture will be zoomed to the width of the page

2) Select the "Adjust to Picture Size" option, and the current page will be adjusted to the size of the picture

3) Select the "Design Width" option, the width of the picture will be automatically adjusted to the width of the page, and the height of the page will be automatically adapted and adjusted to the height of the current picture

4) Select the "Design Height" option, the height of the picture will be automatically adjusted to the height of the page, and the width of the page will be automatically adapted and adjusted to the width of the current picture

Click "OK" to finish loading, and click "Cancel" to cancel the current operation.





Allowed image formats: jpg, tiff, eps, pdf, bmp, psd, pdf, Al.

you can also load pictures by clicking the Import Picture shortcut icon in the shortcut menu bar.



Load Document

Click File -->Import Text in the menu bar, select a file in the Import text dialog box, and click Open The format of the document to be imported must be consistent with the format set by the Files of type option in the Import text dialog box

If there is currently a focus bar box, the text will be loaded into the focus bar box. If there is no focus bar box, the cursor will appear. Drag the cursor in the file window to draw the bar box to load the document. You can also click the left mouse button to open the dialog box of column size to set the column size. After the document is loaded, you can change the large print size of the document by dragging and changing the blue box size.

ArtisJetRIP v9.0 - [untitled.tpf (77%)]	🗽 Import Text	×	Frame Size X
New New From Template Open Close Save Save As Import Picture	Look in: Desktop /2.5 KB 本地磁盘 (D) - 快捷方式 Shortcut 491 bytes 本地磁盘 (E) - 快捷方式 Shortcut 491 bytes 不例.doc		Width: 20Column Height: 15Row
import lext	File name: 示例.doc Files of type: MS-Word 6/7/8(*.doc) Code: GB18030 「Auto Text Flow: Default Para Style: Normal	Open Cancel Cancel	





you can also load the document by clicking the "Import Text" icon in the shortcut menu bar.



Allowed document formats: doc, txt, wps, html.

• Loading and Saving Designs



artisJet RIP v9.0 allows users to save the designed pages containing images, locations, templates, printing parameters and other information as a special file format tpf for artisJet. When necessary, users can directly open the tpf file containing various prefabricated information.

• Save File

"The "Save" or "Save as" option in the "File" menu allows users to save all the information in the page, which can easily save the design document to any desired location.



Click the "Save as" option in the "File" menu, select the path to save, and click the "Save" button to finish the saving

	🐨 Save As	>
File Edit Arrange	Save in: Image	- 🔁 📸 🐨
New	Name	Date modified
New From Temp	No items match your sear	ch.
Open		
Close		
Save		
Save As	File name: test image	Save
	Save as type: Tpf File(*tpf)	Cancel
	Summary:	Password
	Preview: Black & White -	



you can also save the design file by clicking the Save icon in the shortcut menu bar.



• Open File

Use the Open option in the File menu bar, or click the Open icon in the shortcut menu bar, select the open design file tpf in the dialog box that appears, and click the Open button to load the design file.



🚡 Open			×
Look in:	Image	- 🔁 🖆 🔳	
Name	^	Date modified	\backslash
🔳 test ima	ge.tpf	4/2/2020 3:23 PM	
<		>	New & Setup
File name:	test image.tpf	Open	Option 👻
Files of type:	Tpf File(*.tpf)	✓ Cancel	



Manage Edit Workspace

In the next section, we will see the preprocessing and setting adjustment from image loading to printing

• Left toolbar

In the left area of the software, you can find the shortcut toolbar, through which you can add text, picture boxes, and graphic boxes and make advanced settings.



• Select Tools

You can select, drag, stretch, adjust the position, and set attributes of related elements in the editing area through the "Select" button in the "Toolbar"

Rotate

"The "Rotate" button can rotate the angle of related elements in the editing area





• Zoom Options

🔍 – Zoom

The editing area can be zoomed in and out through the Zoom button in the toolbar Zoom in: used to zoom in on any element in the editing area

Zoom out: used to zoom out any element in the editing area (press and hold the "Ctrl" key, and click the mouse to zoom out after the zoom out indicator is displayed in the editing area).

• Picture bar box

Box tool is used to draw containers containing images or document elements, and is usually used to create template file.



Right click to open the "Box Setting" option dialog box to lock and size the box





Use the mouse to select "Column Box", select the "File Menu" - "Import Picture" option, or select the picture import shortcut button in the shortcut bar, select the picture to import, and the picture will be automatically resized according to the column box size and imported to the "Column Box" position.







Text tool

With the "Text" button in the "Toolbar", users can quickly create text messages in the editing area, and design the font, size, color, etc. of text messages

Select the text object, right-click, and select "Artistic Text" to edit the text content.

	Content:	Multiple Lines
$A \mathbf{RC}_{+}$	ABC	*
цьс.		\sim
	<	>

Select the "Artistic Text Font" option to modify the font, color, font size and other information.

Click Right from Mouse.



Artistic Text
Artistic Text Font
Select All
Lock
Add To Master Page
Order >
Duplicate
Filter
Convert To Curve

tistic Text Font		>
ont Type Mode Art Type		ОК
Chinese:		
#宋体	Sitka Text Bold Italic	Cancel
Malgun Gothic	Sitka Text Italic	
Malgun Gothic Bold Malgun Gothic Semilight	Symbol	Select Style
Microsoft JhengHei	Tahoma	
Microsoft JhengHei Bold	Tahoma Bold	Manage
		×
Height: 91.7912pt	Color:	
The second se	Horizontal C	Vertical
Change: Unchange Code		
	C Reverse ventical	
11 1	n 1,1 m	
hinese	English Foi	nt ^{38.13%}
211111VUV		114

• Rectangle tool

The Rectangle Tool can help you draw a rectangular border in the editing area. You can use the Graph Panel to perform operations such as border color, border thickness, and fill in the background color of the rectangular border. It is generally used for batch printing template positioning or color block testing.



File Edit Arrange Object Style Insert Tool View (
₽₽₽₽₽₽₽₽ ₽₽₽₽
° 🗸 14 0
5 1991
€ 176
Label
200
210
220
\sim 238
240

Rounded rectangle

The Rounded Rectangle tool provides a simple way to create a rounded rectangle You can use the Graph Panel to perform operations such as border color, border thickness, and fill in the background color of the rectangular box.

Double click the arrow icon at the upper right corner of the "Rounded Rectangle" button to pop up the "Arc Radius Setting Dialog Box". The "Comer Radius" option

allows you to easily set the rectangular arc angle radius





If you need to import pictures within the arc angle rectangle, and automatically cut the pictures according to the rectangle size (usually used for quick typesetting printing on mobile phone cases and other heterosexual objects), just select the "Rounded Rectangle Box", click the right mouse button, and select the "Cover To Round Corner Rectangular Frame" option in the pop-up setting dialog box to convert the "Rectangular Box" into the "Rounded Rectangle Box" that can import pictures, Select the converted "Rounded Rectangular Box", click the "Import picture" option in the "File" menu to import the picture into the box, and automatically cut it according to the size and shape of the box.



• Ellipse Tool

Ellipses are useful objects and are almost impossible to create by hand. The Ellipse tool makes it easy to create circles and ellipses.

You can use the Graph Panel to perform operations such as border color, border thickness, and fill in the background color of rectangular boxes.





If you need to import a picture into the oval box and automatically cut the picture according to the size of the oval (usually used for quick typesetting of coasters, cell phone buckles and other heterosexual objects), just select the "oval box", click the right mouse button, and select the "Cover To Circle Frame" option in the pop-up setting dialog box to convert the "oval box" into an "oval box" that can be imported into pictures, Select the converted "Elliptical Box", click the "Import pictur" option in the "File" menu to import the picture into the box, and automatically cut it according to the size and shape of the box.





• Ruler and reference line

Ruler

Rulers are useful when you need to place objects or guides accurately in document views.





The point where 0 is displayed on each ruler is called the origin of the spread.

Selecting the "Unit" option in the "Options" menu to change the units will automatically change the units on the displayed ruler.



To show or hide the ruler: Select Show Ruler from the VIEW menu. The ruler is visible. Select Hide Ruler Ruler Hide.

	Fit in Window	Ctrl+W
	Fit in Width	Ctrl+[
	50%	Ctrl+5
	100%	Ctrl+1
	200%	Ctrl+2
	400%	Ctrl+4
	Wireframe Only	Shift+F9
	Show Frame Line	
	Hide Rulers	
	Hide Speedbar	
	Show Floating Tool	
	Hide Status Line	
	Panel	>
	MainTop Input Method	Ctrl+F10
	Title	
	Cascade	
1	1 untitled tof (130%)	



• shortcut Keys



	pen Document Shortcut Button - artisJet RIP allows you to
	open a previously saved document design Save tpf file
	extension
	When you save a document, all project information is
	retained, allowing you to edit it later. The document is saved
	as a single file with a. tpf extension.
	Import Picture Shortcut Button
	Import Text Shortcut Button
æ,	Print Button
	Variable data printing button - database template printing.
	Users need to purchase artisJet variable data version
	authorization separately
5	Undo/Redo: When you make mistakes or are not satisfied
C	with the results, you can easily undo and restore the
	changes made in the editing area.
	Shortcuts: • Undo: Ctrl+Z • Redo: Ctrl+Y
Ж	Cut option in the selected edit area
L	Copy, shortcut key: Ctrl+C
Ē	Paste, shortcut key: Ctrl+V
ľ₿	Display the selected content in the front layer
Ø.	Display the selected content in the back and front layers
	The dialog box of batch copy is displayed. You can copy
	multiple copies of the selected elements and arrange them
4	according to the set size and position. It is usually used to
	make templates for batch printing
	Only the image frame is displayed. After clicking this button,
	the image in the editing area will only retain a frame with the
	same size as the image, and the image and color area will



be hidden. After clicking the button again, the image display will be restored. This function is usually used for unclipped printing position registration Size and position adjustment Border and background fill

Size and location

۰Ēי

When you click to select an object (image, text or bar box), a marker will appear around it, which we call a handle, which means that the design is selected, through the marker we can see the object we selected, if you want to select multiple objects, you can click on it with the mouse, keep the "Shift" key pressed, select one by one, or drag the cursor area by pressing the left mouse button, all items in the area will be selected.





Multiple selections are made with the Use the "Shift" key to select two objects cursor separately

By dragging the mouse you can adjust the position of the image and text, by clicking the drag corner you can resize the image, hold down the "Ctrl" button, click and drag any of the four corners, you can adjust the image size in equal proportions. From the other Resize the image and the original image proportions will be lost.





Move the image or modify the image size can also be operated by the shortcut button control located at the top of the window, the number can help you position it more precisely, select the image object, click the "Metric" button, you will see the adjustment control penal in the lower left corner of the editing area



• Size and position adjustment

The user can modify the number by clicking the mouse to modify the corresponding option to change the image size and position on the page.



Relevant parameters:

- X: The selected image is located in the left margin of the page
- Y: The selected image is in the top margin of the page
- W: The current width of the selected image
- H: The current height of the selected image



You can also adjust the image size and scale by selecting the image and right-clicking "Frame Attribution"



The "Constrain Proportion" button restores the image height according to the image width in the "Size" option in the normal proportion of the image, and the "Original size" button will help you restore the original dimensions of the image.

icture Frame Attribution	×
Size: 116.1149mm → × 65.3146mm → ✓ Can Exclude Other Frame ✓ Can Be Excluded By Other Frame	Gamma:
Outer Spacing: Left: Omm + Top: Omm + Right: Omm + Bottom: Omm +	Black: C None C Transparent C Painting
Position: C Relative Margin C Absolute Position Abscissa of Top Omm Vidth 116.1149mm Vidth 116.51149mm	White:
Original Size Constrain Proportion OK	Cancel

• Rotation angle adjustment

Modify the angle number near the rotation icon, you can make the selected image perform the angle rotation operation, the default input positive number will perform clockwise rotation, counterclockwise rotation needs to enter negative numbers, after the image is rotated by the angle, the image position of the page will be destroyed.

115	\times 10mm	w: 53.2922mm	50	++
	y: 10mm	h: 29.9769mm	27 0°	··· * ···

• Mirroring options

You can also rotate the selected item by clicking the rotate button.

×	x: 84.1161mm	w: 60mm	Q 0.	++
200	y: 35.5659mm	h: 33.75mm	27 O°	*



The mirror option flips the object horizontally or vertically symmetrically. In other words, the flipped image is as if it were seen in a mirror. This option is often used as a transparent material mirror print.



• Horizontal and vertical replication

Most of the time you don't want to design elements as a separate entity on the page, the horizontal and vertical copy options can automatically create multiple copies on the page with consistent spacing, which can greatly help you save time on the page for multiple identical elements.

Under the Horizontal vs. Vertical Clearance option, you can set the distance between replicas.



Print configuration

Each detail is detailed in this section to configure your printer and ink selection. Before viewing the various tabs of the print configuration, please note that the printer driver for RIP needs to be installed correctly in advance.

To access the Print Configuration tab, you can access the "File" menu - "Print..." option in the menu bar, or via the print icon in the shortcut button and the shortcut keys "Ctrl + P".



-	New	Ctrl+N
	New From Template	
	Open	Ctrl+O
÷	Close	
1	Save	Ctrl+S
5	Save As	
<u>í</u>	Import Picture	Ctrl+I
*	Import Text	Ctrl+T
	Remove Picture	
1	Remove Text	
]	Export Picture	Ctrl+E
	Export Text	Ctrl+R
	Print	Ctrl+P
	Printer Setup	
	Printer Setup Page Setup	
	Printer Setup Page Setup Step and Repeat	
	Printer Setup Page Setup Step and Repeat Auto BootB	

Click the "Properties..." button to enter the Print Properties dialog box.

Port LPTI: Sheet VerticalAuto Page: • All • From Page 1 • To 1 • Annong Them: • Even & Odd • Odd • Even • Selected Page: • Copies: 1 • Scale: 100 • % Auto Scale • Collate Width: 360mm • Height 202.5mm •		1
Sheet VerticalAuto Properties Page: Image: Image: Image: Image: Image: Among Them: Image: Collected Page: Image: Copies: Image: Image: Image:<		1
Page: All C From Page 1 + To 1 + Among Them: Even & Odd C Odd C Even C Selected Page: Copies: 1 + Scale: 100 + % Auto Scale Collate Width: 360mm + Height 202.5mm +		
● All C From Page 1 - To 1 - - Among Them: ● Even & Odd C Odd C Even C Selected Page:		
Among Them: Even & Odd Odd Even Collate Width: 360mm Height 202.5mm Height 		
Copies: 1 → Scale: 100 → % Auto Scale Collate Width: 360mm → Height 202.5mm →		
Copies: 1 Scale: 100 Auto Scale Collate Width: 360mm Height: 202.5mm		
Collate Width: 360mm + Height 202.5mm +		
Collate Width: 360mm + Height 202.5mm +		
E Mirror E Nagati in E Invioren E Back To Front		
ation		
	B	1

• Printing ink and precision settings

"Optional Modes" print mode refers to the actual output method of the printer, allowing you to print at various resolutions and output methods, thereby changing the final quality of the print, including the ink settings and printouts for printing.



	LPT1:			▼
Size:	Auto			•
Orientation:	A A	🥅 Auto Redeem	Auto	o-set Paper
PrintMed	lia: Plain H	Paper 🔻		
Optional M	odes:			
Only print (olor 8Pass K	CMY		
with a better a		4447		
Only print \	White: 8Pass, V	W V V		
Only print \ Print white Print color	White: 8Pass, v and color one and white one	time: 8Pass, WWW time: 8Pass, KCMM		
Only print \ Print white Print color Only print \	white: 8Pass, v and color one and white one White: 8Pass, v	rrw time: 8Pass, WWW time: 8Pass, KCMYW WWWW	VKCMY NVVVV	
Only print \ Print white Print color Only print \ Print white Drint color	white: 8Pass, v and color one and white one White: 8Pass, v and color one	time: 8Pass, WWW time: 8Pass, KCMYW WWW WWW time: 8Pass, WWKCt		
Only print \ Print white Print color Only print \ Print white Print color Print color	White: 8Pass, v and color one and white one White: 8Pass, v and color one and white one and Vanish on	time: 8Pass, WWW time: 8Pass, KCMYW WWW time: 8Pass, WWKC time: 8Pass, KCMYW e time: 8Pass, KCMY		
Only print \ Print white Print color Only print \ Print white Print color Print color Only print \	White: 8Pass, v and color one and white one White: 8Pass, v and color one and white one and Vanish on /anish: 8Pass;	time: 8Pass, WWW time: 8Pass, KCMYW WWW time: 8Pass, WWKC time: 8Pass, KCMYW e time: 8Pass, KCMY VV: 8Pass, W	VKCMY WWW WY W VV	
Only print \ Print white Print color Only print \ Print white Print color Print color Only print \ Only print \ Only print \	White: 8Pass, v and color one and white one White: 8Pass, V and color one and white one and Vanish on /anish: 8Pass / color: 4Pass, K White: 4Pass V	vvv time: 8Pass, WWWW time: 8Pass, KCMYW time: 8Pass, WWKC time: 8Pass, KCMYW e time: 8Pass, KCMY VV: 8Pass, W CMY: 4Pass, KCMY MMMMV 4Pass, MMM		~
Only print \ Print white Print color Only print \ Print white Print color Print color Only print \ Only print \ Only print \	White: 8Pass, V and color one and white one White: 8Pass, V and color one and vanish on and Vanish on Anish: 8Pass' Solor: 4Pass, K White: 4Pass V	ww time: 8Pass, WWWW time: 8Pass, KCMYW time: 8Pass, WWKCP time: 8Pass, KCMYW e time: 8Pass, KCMY W: 8Pass, W CMY: 4Pass, KCMY		~
Only print \ Print color Only print \ Print color Print color Print color Print color Only print \ Only print \ Only print \	White: 8Pass, V and color one and white one White: 8Pass, V and color one and White one and Vanish on Anish: 8Pass color: 4Pass, K White: 4Pass W	WW time: 8Pass, WWW time: 8Pass, KCMYM WWW time: 8Pass, WWKC time: 8Pass, KCMY e time: 8Pass, KCMY W: 8Pass, V CMY: 4Pass, KCMY		~

• Ink mode

Here you will be able to select the color mode of each output task, the number of channels of white and photoink water. You can use up to 8 channels, 6 colors of ink.

• Print quality

artisJet RIP V9.0 allows you to use three different precision output modes, namely: 720*720dpi, 720*1440dpi, 720*2880dpi, the higher the precision, the better the printing quality, the higher the printing accuracy will also obtain a lower printing speed.

• Printing options

Print mode	lnk mode	Numbers of white/Varnish channel	precision
Only print color 8Pass, KCMY	color ink Output	0	720*1440dpi
Only print white 8Pass, WW	white ink Output	2	720*1440dpi
Print white and color one time: 8PASS,	Output both white and color ink, which is located	4	720*1440dpi



WWWWKCMY	at the bottom of the color ink		
Print color and white one time: 8PASS, KCMYWWWW	Output both white and color ink, with white ink located in the color ink layer	4	720*1440dpi
Only print white 8Pass, WWWW	white ink Output	4	720*1440dpi
Print white and color one time: 8pass, WWKCMY	Output both white and color ink, which is located at the bottom of the color ink	2	720*1440dpi
Print color and white one time: 8pass, KCMYWW	Output both white and color ink, with white ink located in the color ink layer	2	720*1440dpi
Print color and vanish one time: 8pass, KCMYVV	At the same time, the varnish and color ink are output, and the varnish is located in the upper layer of the color ink	2	720*1440dpi
Only print Varnish: 8pass	varnish Output	2	720*1440dpi
Only print color 4Pass, KCMY	color ink Output	0	720*720dpi
Only print white 4Pass,	white ink Output	2	720*720dpi



WW			
Print white and color one time: 4PASS, WWWWKCMY	Output both white and color ink, which is located at the bottom of the color ink	4	720*720dpi
Print color and white one time: 4PASS, KCMYWWWW	Output both white and color ink, with white ink located in the color ink layer	4	720*720dpi
Only print white 4Pass, WWWW	Output white ink	4	720*720dpi
Print white and color one time: 4pass, WWKCMY	Output both white and color ink, which is located at the bottom of the color ink	2	720*720dpi
Print color and white one time: 4pass, KCMYWW	Output both white and color ink, with white ink located in the color ink layer	2	720*720dpi
Print color and vanish one time: 4pass, KCMYVV	At the same time, the varnish and color ink are output, and the varnish is located in the upper layer of the color ink	2	720*720dpi
Only print Varnish: 4pass	varnish Output	2	720*720dpi



Only print color 16Pass, KCMY	color ink Output	0	720*2880dpi
Only print white 16Pass, WW	white ink Output	2	720*2880dpi
Print white and color one time: 16PASS, WWWWKCMY	Output both white and color ink, which is located at the bottom of the color ink	4	720*2880dpi
Print color and white one time: 16PASS, KCMYWWWW	Output both white and color ink, with white ink located in the color ink layer	4	720*2880dpi
Only print white 16Pass, WWWW	Output white ink	4	720*2880dpi
Print white and color one time: 16pass, WWKCMY	Output both white and color ink, which is located at the bottom of the color ink	2	720*2880dpi
Print color and white one time: 16pass, KCMYWW	Output both white and color ink, with white ink located in the color ink layer	2	720*2880dpi

• White ink and varnish advanced settings

artisJet RIP V9.0 allows you to change the output mode of white ink and the thickness of the ink layer, and more customization can be opened via the "More Options" button of the print properties dialog.



Only print color: 8Pass, KCMY	~	Ink: WWWKCMY	^
Only print White: 8Pass, WW		White Wode: White (Simulate Spot Color)	
Print white and color one time: 8Pass, WWWWKCMY		White Densites Namel	
Print color and white one time: 8Pass, KCMYWWWW		white Density: <u>wormal</u>	
Only print White: 8Pass, WWWW		Custom White Density <u>100%</u>	
Print white and color one time: 8Pass, WWKCMY		Varnish Mode: <u>Varnish</u>	
Print color and white one time: 8Pass, KCMYWW		Varnish Density: <u>Normal</u>	
Print color and Vanish one time: 8Pass, KCMYVV		Custom Varnish Density 100%	
Only print Vanish: 8Pass VV: 8Pass, VV		White Invaginate: Off	~
Only print color: 4Pass, KCMY: 4Pass, KCMY			
Only print White: 4Pass MAAAAAA': 4Pass MAAAAAA/	*		
<	>	Screen Type: Stochastic 💌 🔽 Print Color	Adjust
			005 D-4
		Intensity: Darkest 4	U25 Delault
More Options OK	Cancel		OK Cancol

The White Mode option helps you set how different kinds of white ink layers print data.

The **White Density** option is used to set the amount of ink produced by the white ink, which determines the thickness of the white ink layer

The White Invaginatation option helps you achieve the inward edge of the white ink layer in different directions, avoiding the white edges observed by the naked eye at different angles

The Varnish Mode is set in the same way as white.

Next, we will explain the different output experiences brought by different modes and different densities in the white ink advanced setting options

• White mode

artisJet RIP V9.0 provides 6 different white ink output options, selecting different options white will get different output effects

Resolution: <u>8Pass</u> Ink:KCMY	^
White Mode: White(Simulate Spot Cold White Densi White Full Custom White Invert Color	r) •
Varnish Mool Invert Color Except blan Varnish Den <mark>tWhite(Simulate Spot Colo</mark> Custom Varnish Density100%	k line r)
Screen Type: Stochastic 💽 🔽 Print C	olor Adjust
	toot 2.025 Default



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- 	0-		
IT	40-		
C	80-		
€	12 0		
	168		
abc	-		
	208		
	248		
	288		
\bigcirc	32 0		
	- 36 0		
	-		
	4UU -		~
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White (Simulate Spot Color) - The software will automatically create a white layer based on color data, and the white layer uses the same ink density.



White - The software will automatically create a white layer based on the color data, the density of the white layer will be determined according to the depth of the color image, the darker color will be covered with a higher density of white ink, and the lighter color position will be covered with a lower density of white ink.



FULL- The software will automatically create a white layer based on the page size, and the white layer will be set to the page size with the same density in all locations.



Invert color - Inverted color, the software will create a white layer based on the depth of the page and image, the light and white parts will print white ink, and the dark parts will not print white ink.





Invert color except black line, Full except black line - These two options are for special applications and we will not explain here.

• White Density

artisJet RIP V9.0 allows users to customize the white ink output concentration, from low to high provides 5 different white ink output concentration options, different white concentrations will get different white ink coverage, of course, the user can also set any concentration value in 10% from the 0%-100% range by selecting "Custom".

Resolution: <u>8Pass</u>		^
Ink: <u>\\\\\</u>		
White Mode: <u>Full Except blank</u>	line	
White Density: Normal 💌		
Custom White De <mark>Normal</mark>		
Varnish Mode: VSmall only		
Varnish Densit More		
Custom Varnish Custom		~
Screen Type: Stochastic 🗾 🛛	Print Color	Adjust
ntensity: Darkest 💶 🔛	Lightest 2.025	Default

Normal - The white ink concentration will be output according to artisJet's default concentration preset by the user, and the default concentration is the optimized concentration value, which can generally meet most of the user's needs.

Less - white ink output at a very low concentration, Less mode, white ink layer is generally thinner, for darker media, the coverage rate of white ink layer in Less mode is not ideal, generally suitable for lighter color print media

Small only - white ink is output at low concentration, which is more suitable for white masking of transparent materials

More - White ink is output at a large concentration, and the white ink layer is thicker to meet the white masking of most materials



Most - White ink is output at the maximum concentration, the highest white concentration, the white ink layer is very thick, generally suitable for 3D bump stacking printing and braille printing

Custom - When the "Custom" option is selected for "White Density", the "Custom White Density" setting will be activated and you will be able to set any concentration value in 10% units from 0%-100%.



• White Invaginate

This option helps you achieve the white ink layer to be inverted in different directions, avoiding the white edges that are visible to the naked eye at different angles.

White Invaginate - This option allows users to set 4 different intensities of white ink invagination levels from low to high, namely (Small, Middle, Big, Custom), select the Off option, white ink invagination will not be used.

Custom Varnish Density 100%	^
White Invaginate: Small -	
Custom White Invaginate: 60	
White Invaginate Direction: <u>All Direction</u>	
BlackInk: <u>Minimum</u>	
Speed: <u>UniDirection</u>	
Pass Number: 8 Pass	~
Screen Type: Stochastic 💌 🔽 Print Color	Adjust

Custom White Invaginate - Allows users to set more levels of white ink invaginate levels when the "White Invaginate" option is set to "Custom".



Varnish Density: <u>Normal</u> Custom Varnish DensityJ	L00%		^
White Invaginate: <u>Custom</u>	<u>n</u>	-	
Custom White Invaginate	: 60 💌	1	
White Invaginate Direct	i 50 ^	Direction	
BlackInk: <u>Minimum</u>	70		
Speed: <u>UniDirection</u>	80		
Pass Number: 8 Pass	100		~
	120		
Screen Type: Stochastic	-140	Print Color	Adjust
Intensity: Darkest 🔳 📃	150 ~	Lightest 2.025	 Default

White Invaginate Direction - The White ink indentation direction option is used to set which direction the white ink is inward, select the "All Direction" option, the white ink layer will be retracted in four directions at the same time.

Printer Options	×			
Varnish Density: <u>Normal</u>	^			
White Invaginate: Custom				
Custom White Invaginate: 60 White Invaginate Direction: All Direction				
BlackInk: <u>Minimum</u> Speed: <u>UniDirection</u> Left		M		Ju
Pass Number: 8 Pass Right Up & Down Left & Right	~		2	
Screen Type: Stochastic All Direction Print Color	Adjust		\rightarrow	
Intensity: Darkest 4 Lightest 2.025	Default			
ОК	Cancel	Curre		

Print Speed

Print speed option allows users to set the print direction to "Single Print" and "Bidirectional Printing"

Under the **Unidirection** setting, only print in one direction, which has better printing accuracy and slower printing speed.

Under the **Bidirection** setting, the printhead prints both moving left and right, which is less accurate than unidirection printing but double printing speed than the Unidirection mode.

	^
White Invaginate: <u>Off</u>	
Custom White Invaginate: <u>100</u>	
White Invaginate Direction: <u>All Direction</u>	
BlackInk: Minimum	
Speed: UniDirection 💌	
Pass NuUniDirection	
	~
	Adjust
Design Theory Office and The Drive College	Aujust
Screen Type: Stochastic 💌 🔽 Print Color	-



Print color settings (Intensity)

artisJet RIP software driver has installed the correct ICC color management curve by default to ensure the accuracy of your printed color, because the difference in the ink absorption of the print medium and the difference in the white system of the white print medium itself, in some cases you may need to adjust the color intensity to reduce or improve the color performance, or increase or decrease the intensity of any color separately, all this can be done with the help of the artisJet color adjustment module, without making a new ICC curve.

Overall color intensity adjustment

The "Intensity" option can help you adjust the overall color intensity.

The **"Darkest"** orientation adjustment will increase the overall color of the print, the "Lightest" orientation adjustment will reduce the color of the print, and clicking the "Default" button will help you restore the default color intensity in ICC.



Color intensity adjustment

Click the "Adjust" button, in the pop-up "Adjust color" dialog box through the "Density" option, you will be able to adjust the intensity of any color, click the "Default" button can help you restore the default concentration in the ICC curve, click "OK" to save the settings.

Printer Options X	Adjust Color X
Resolution: BPass Ink: <u>KOMY</u>	Use Color Management Input Source: Closed CMYK Curve Remove Noise
White Mode: <u>White(Simulate Spot Color)</u> White Density: <u>Normal</u> Custom White Density <u>100%</u> Narmich Mode: Narmich	ICC Setting RGB: AdobeRGB1998.icc V Output: Load CMYK Curve V
Varnish Mode: <u>varnish</u> Varnish Density: <u>Normal</u> Custom Varnish Density100%	CMYK: CoatedF0GRA27.icc ▼ Intent Sensibility Density:
Screen Type: Stochastic Print Color Adjust Intensity: Darkest Default	Magenta: Minus ▲ ▶ Plus 0.1 Magenta: 100 % Yellow: Minus ▲ ▶ Plus 0.1 Yellow: 100 % Black: Minus ▲ ▶ Plus 0.1 Black: 100 %
OK Cancel	Default OK Cancel



Print

The Print option of the File menu or clicking the print icon of the shortcut button will help you print out the designed document

The "Print to File" button will allow you to save and output a file in a print format supported by the printer, suffixed with .prn, which allows you to import and print in the print "work station"

Click the "OK" button to directly output the print task to the "work station" task manager for printing.

nt Iormal Imposition Tiling Separation			>
Printer: artisJet ProV6 direct to substrate printer Port: LPT1: Sheet: VerticalAuto	Properties		1
Page: To 1 C All ● From Page 1 To 1 Among Them: ● Even & Odd C Odd 0 0 C Selected Page:			
Copies: 1 * Scale: 100 * % Collete Width: 360mm * He	Auto Scale		
Mirror Regative Inverse	Back To Front		
Option Orientation:	o Left 🔻	Previous	A Next
Crop Marks Independent RGB Gamma:	1.8	Print to File	OK Cancel

At the same time, the "Mirror" option is provided in the print dialog box, if you need to mirror the print, please select the "Mirror" option and output the print task.

Note: The default settings for all the new print tasks are the same as the previous printing settings. If you need re-set, please click the "Properties..." button before printing