

artisJet 3000U pro printer

How To Print Rotary

artisRIP V 9.0 + Workstation software 4.0 setting

artisJet

2020-12-9

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ABOUT

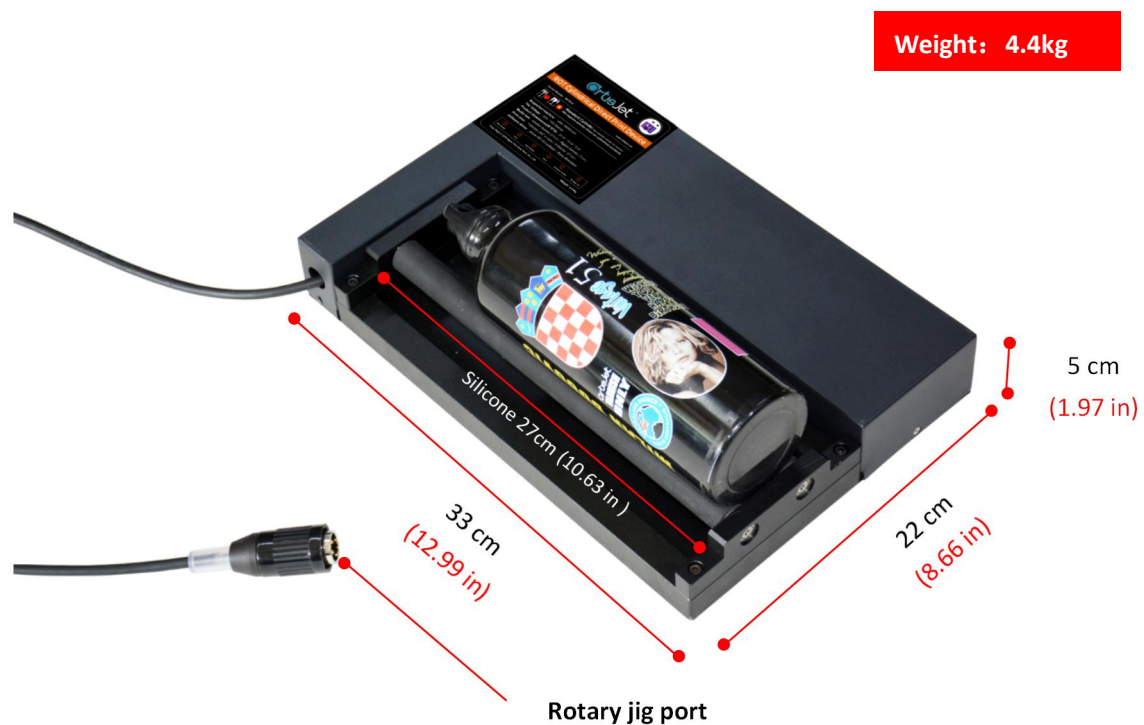
This quick manual is for the users of artisJet 3000U Pro printer with workstation 4.0

1. PREFACE

PREFACE			
HIGHLIGHTS		CONDITIONS	SOLUTION
1. The nozzle check should be perfect.		Please clean the printer head till a perfect nozzle check comes.	
2. Avoid to placing the printer under direct light shooting.		Head clogging will occur.	
3. Keep maintaining the printer		Keep the printer clean, specially the ink system.	
4. Transparent bottles	Do not measure the height by AUTO POSITION.	The thermal sensor will not read the material.	Adjust the height manually.
	Do not print directly.	UV light reflection will cause head clogging.	Fill the bottles with dark materials.
5. Irregular bottle.	Do not measure the height by AUTO POSITION.	AUTO position can not measure the accurate height.	Adjust the height manually.
6. ROT-360	Do not place the ROT jig in the front of the table.	The table might be distorted as the ROT jig is up to 3KGs.	Load the ROT jig onto the position with 30CM to the front.
7. Workstation for rotary		ROT print needs a different workstation.	Apply the new Rotary workstation
8. Print setting	Color print.	Print once for each settings as the ROT print does not support repositioning.	
	White print.		
	Color & white print		
9. Durability	Coating apply	The coating agent shall be applied for steel, glass and stones materials to enhance the durability.	
	Direct	Print directly onto PET、PVC 、PE 、ABS ,etc.	

2. ABOUT ROT-360 JIG.

- **Main Materials:** Steel and grinding silicon.
- **Suitable to:** artis 3000U pro
- **Voltage:** 220V / 110V Optional
- **Size(W*D*H):** 22 cm * 33 cm * 5 cm (As below picture)
- **Printable bottle sizes:** Smallest diameter (2.5 cm) / Biggest diameter (13 cm)
- **Printing area:** Y direction (360° or more) / X direction (27 cm)
- **Software:** artisJet RIP V9.0 software + Rotary Workstation



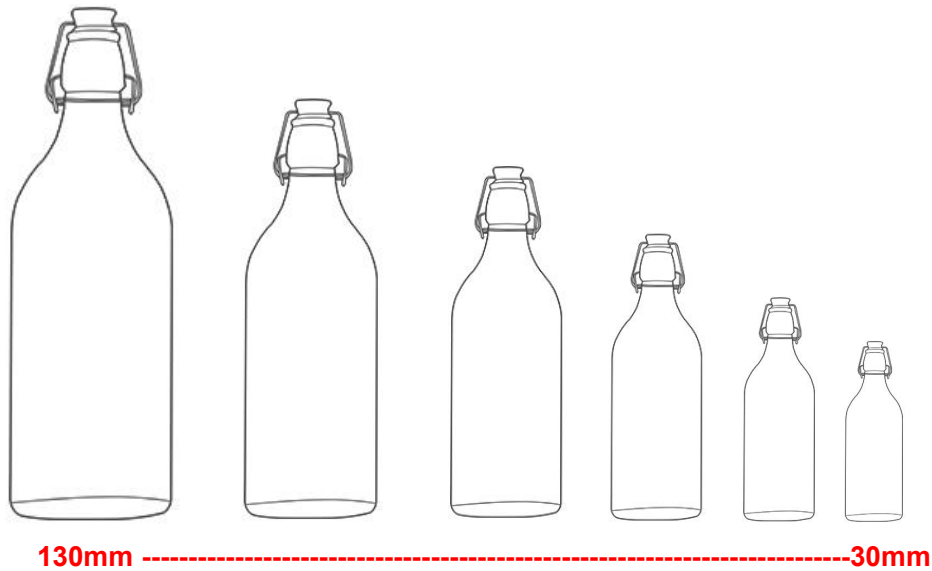
3. ABOUT THE PRINTABLE BOTTLES.

- **Materials:** Plastic, PET, Steel, Aluminum, Glass, Ceramic, etc.
- **Bottle types:** Wine bottle, yet, cups, cosmetic, decoration bottle, containers, etc.
- **Bottle shapes:**



- Size of the printable bottles

- ① **Minimum diameter: 30mm**
- ② **Maximum diameter: 130mm**

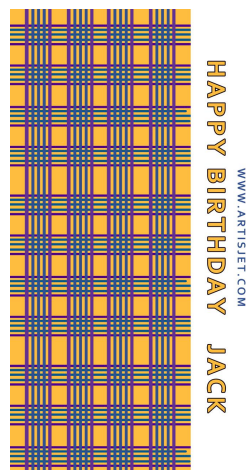


4. ABOUT THE ARTWORK.

- **Formats:** TIF / JPEG / EPS
- **Color mode:** RGB
- **Resolution:** > 300 dpi
- **Direction:** 90 degrees clockwise.



Original picture

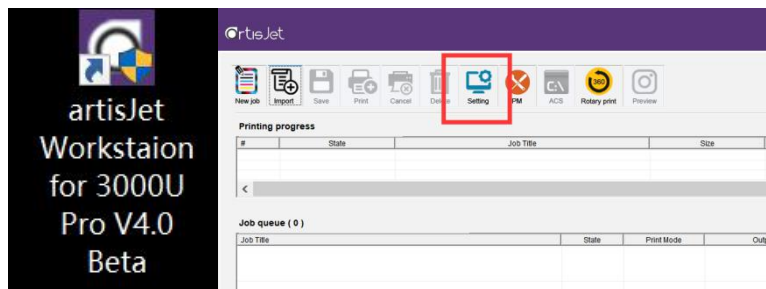


File artwork after 90 degrees

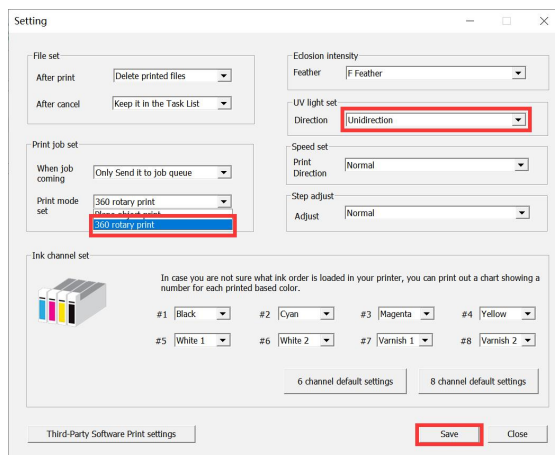
5. HOW TO PRINT

5.1 Setting rotary mode in workstation.

open the “artisJet Workstaion for 3000U Pro V4.0 Beta”, Click the “Setting” button to open the settings window.



Set the print mode set option to “360 rotary print”. Set “UV light set” to unidirection. Click the Save button to save the settings.



5.2 ROT-360 LOADING.

- Put the E-fixture onto the working table.
- Position the ROT-360 jig onto the E-fixture.
- Place bottle on the rotary jig and press Auto Position button to perform height adjustment.
- Adjust rotary jig position manually to match with position label.
- Make sure the edges accurate to the side of the working table.



Notice:

- The edge of rotary jig should match with position label.
- The height sensor does not work for transparent bottles during auto height adjustment.

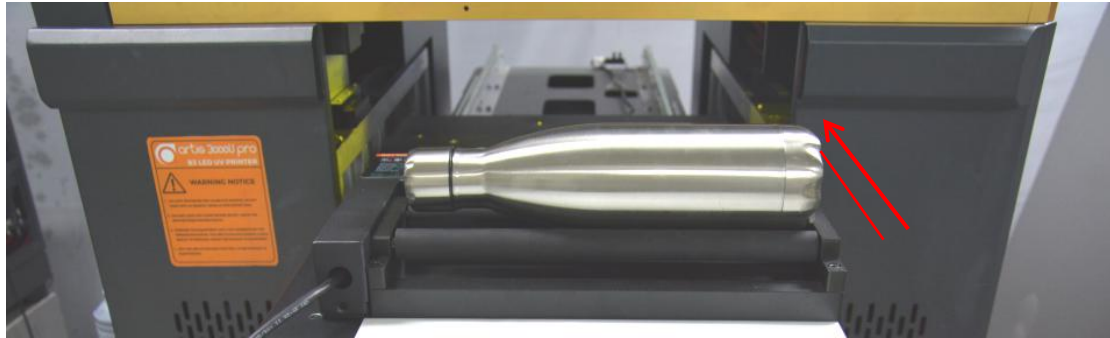
5.3 CONNECTION TO THE PRINTER.

- Connect the port to the printer.



5.4 BOTTLE LOADING.

- Load the bottles onto the ROT-360.
- Make the alignment of the bottle to the edge of the ROT-360.

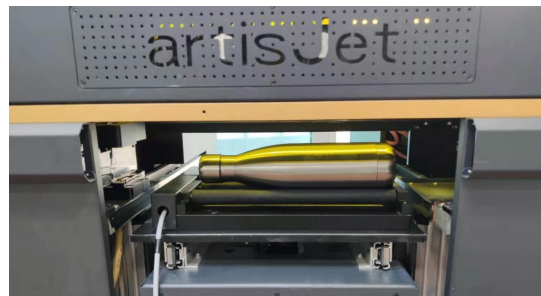


5.5 HEIGHT ADJUSTMENT

- Click the "Auto position" button on the control panel.
- Wait until the flat table moves back completely.

CAUTION:

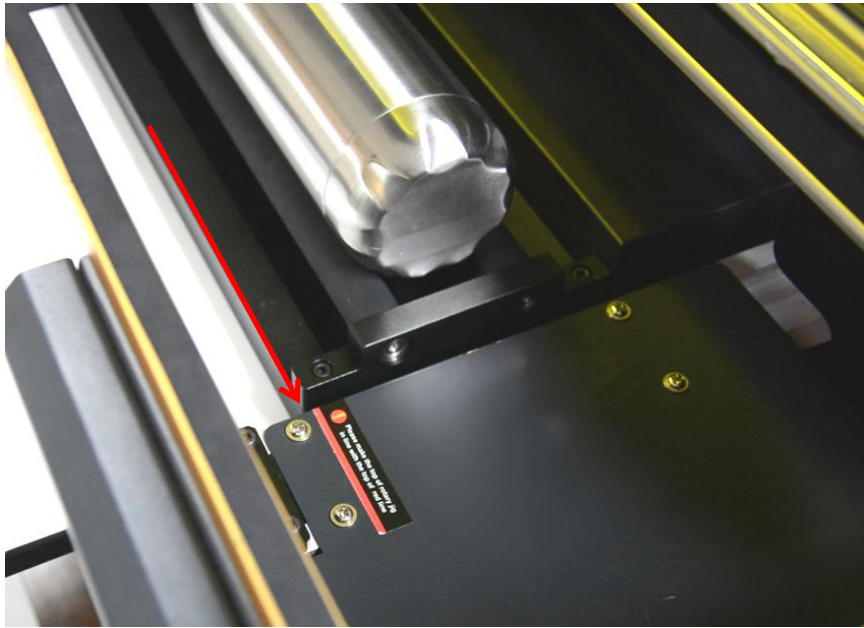
Manual height adjustment is a **MUST** for irregular bottles.



5.6 PRINT POSITIONING

- Adjust rotary jig position manually to match with position label.(move forward the rotary jig to match with position label).
- Make sure the head is above the highest point of the bottle.

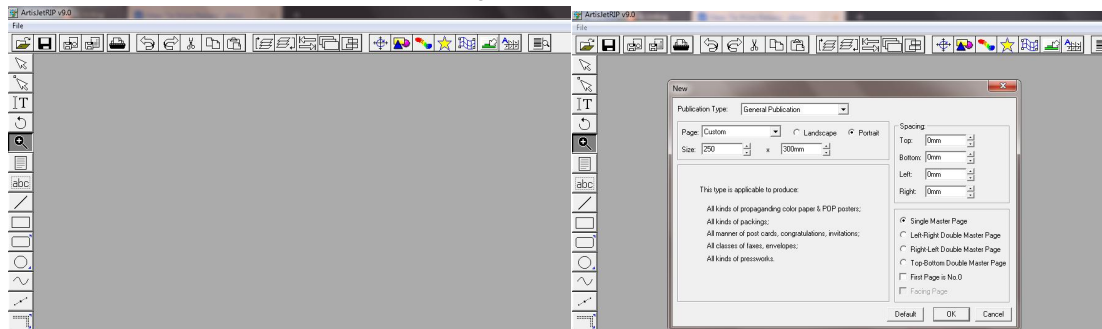




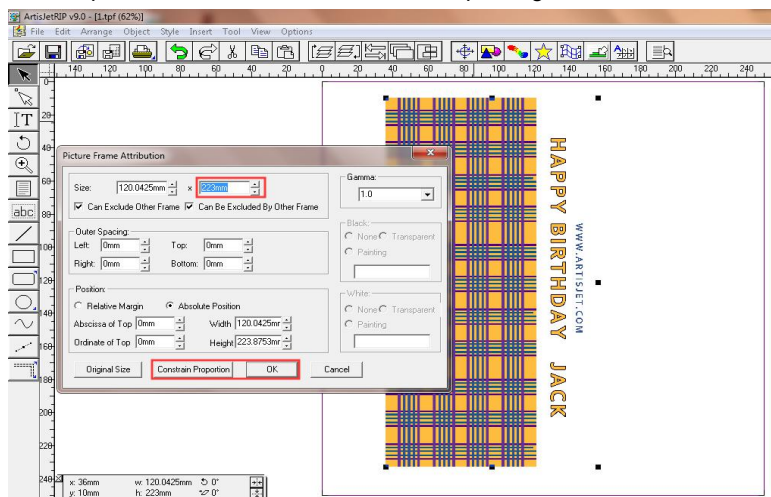
5.7 SOFTWARE SETTING

(1) artisRIP V9.0 setting.

- Open artisRIP V9.0 and create new page.

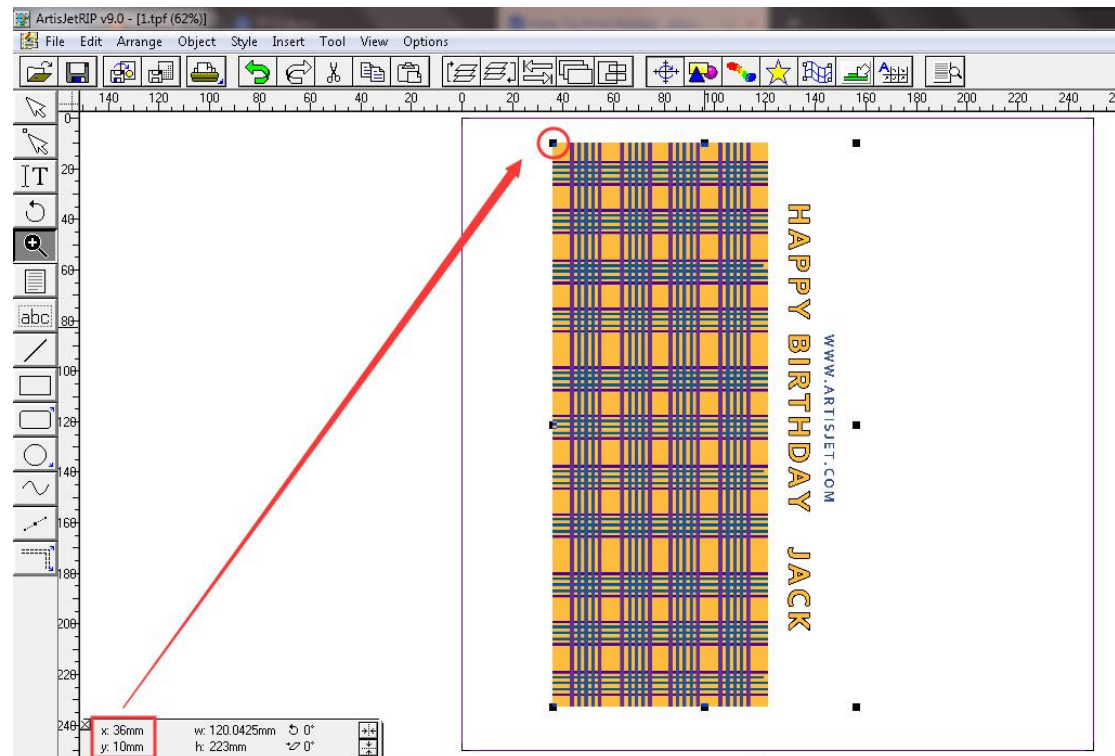


- Import the artwork and set the size of printing.



➤ Set the printing start point.

- ① Set 10mm or higher value in the X.
- ② Set 10mm in the Y.



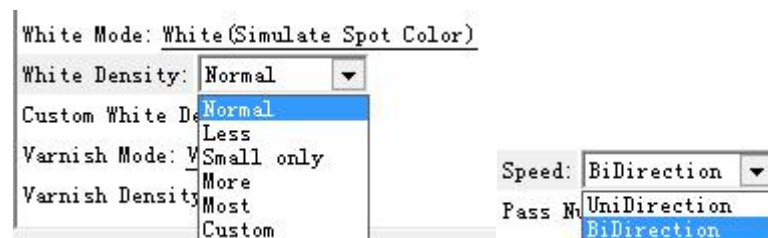
➤ Set the printing mode.

Three options:

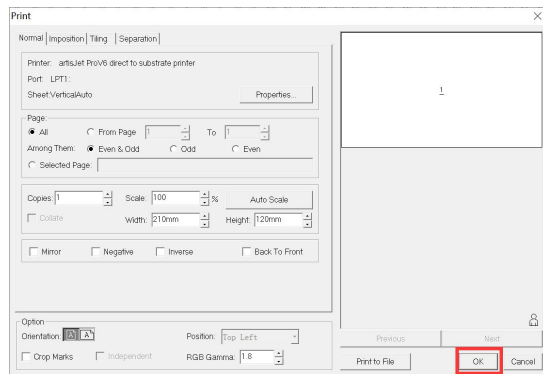
- (1) Color print only: 8PASS KCMY
- (2) White print only: 8PASS WWWW/ 8PASS WW.
- (3) Color and White print: 8PASS WWWW+ KCMY / 8PASS WW+ KCMY

CAUTION:

- ① White Density: Normal or Less are optional for different materials.
- ② Speed :
Uni-direction is required for High resolution printing; Print is slower.
Bi-direction is required for printings at lower resolution for faster printing.

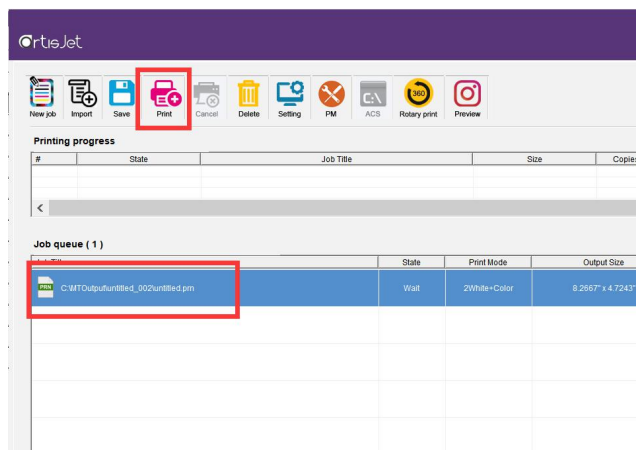


- Save the .prn file.



(2) Printing in software.

- Open **artisJet Workstaion for 3000U Pro V4.0 Beta** software;
- Select print task
- Click "Print" to start printing.



5.8 START THE PRINT



6.GUIDANCE FOR SETTINGS.

GUIDANCE FOR SETTINGS					
Bottle diameter	Print area		Print mode	Speed	Print time
	Height	Perimeter			
30mm	80mm	95mm	8PASS KCMY	Unidirection	3'20"
	80mm	95mm		Bidirection	1'40"
	80mm	95mm	8PASS WWWWW / WW	Unidirection	3'20"
	80mm	95mm		Bidirection	1'40"
	80mm	95mm	8PASS	Unidirection	6'40"
	80mm	95mm	WWWWW+KCMY	Bidirection	3'20"
50mm	80mm	157mm	8PASS KCMY	Unidirection	6'
	80mm	157mm		Bidirection	3'
	80mm	157mm	8PASS WWWWW / WW	Unidirection	6'
	80mm	157mm		Bidirection	3'
	80mm	157mm	8PASS	Unidirection	12'
	80mm	157mm	WWWWW+KCMY	Bidirection	6'
70mm	80mm	220mm	8PASS KCMY	Unidirection	7'40"
	80mm	220mm		Bidirection	3'50"
	80mm	220mm	8PASS WWWWW / WW	Unidirection	7'40"
	80mm	220mm		Bidirection	3'50"
	80mm	220mm	8PASS	Unidirection	15'20"
	80mm	220mm	WWWWW+KCMY	Bidirection	7'40"
10mm	80mm	314mm	8PASS KCMY	Unidirection	11'10"
	80mm	314mm		Bidirection	5'35"
	80mm	314mm	8PASS WWWWW / WW	Unidirection	11'10"
	80mm	314mm		Bidirection	5'35"
	80mm	314mm	8PASS	Unidirection	22'20"
	80mm	314mm	WWWWW+KCMY	Bidirection	11'10"
130mm	80mm	408mm	8PASS KCMY	Unidirection	14'20"
	80mm	408mm		Bidirection	7'10"
	80mm	408mm	8PASS WWWWW / WW	Unidirection	14'20"
	80mm	408mm		Bidirection	7'10"
	80mm	408mm	8PASS	Unidirection	28'40"
	80mm	408mm	WWWWW+KCMY	Bidirection	14'20"





THANK YOU.