artisJet 3000U pro printer
How To Print Rotary

ArtisRIP V 9.0 + Workstation software setting

artisJet

2019-11-14

INDEX

1. ABOUT....3

2. ABOUT ROT-360 JIG....4

3. ABOUT PRINTABLE PRODUCTS....4

4. ABOUT THE ARTWORK....5

5. HOW TO PRINT....6

5.1 cylinder.ini SETTING....6

5.2 ROT-360 LOADING....6

5.3 CONNECTION TO THE PRINTER....7

5.4 BOTTLE LOADING....7

5.5 HEIGHT ADJUSTMENT....8

5.6 PRINT POSITIONING....8

5.7 SOFTWARE SETTING....9

5.8 Print....12

6. GUIDANCE FOR SETTINGS....13

ABOUT

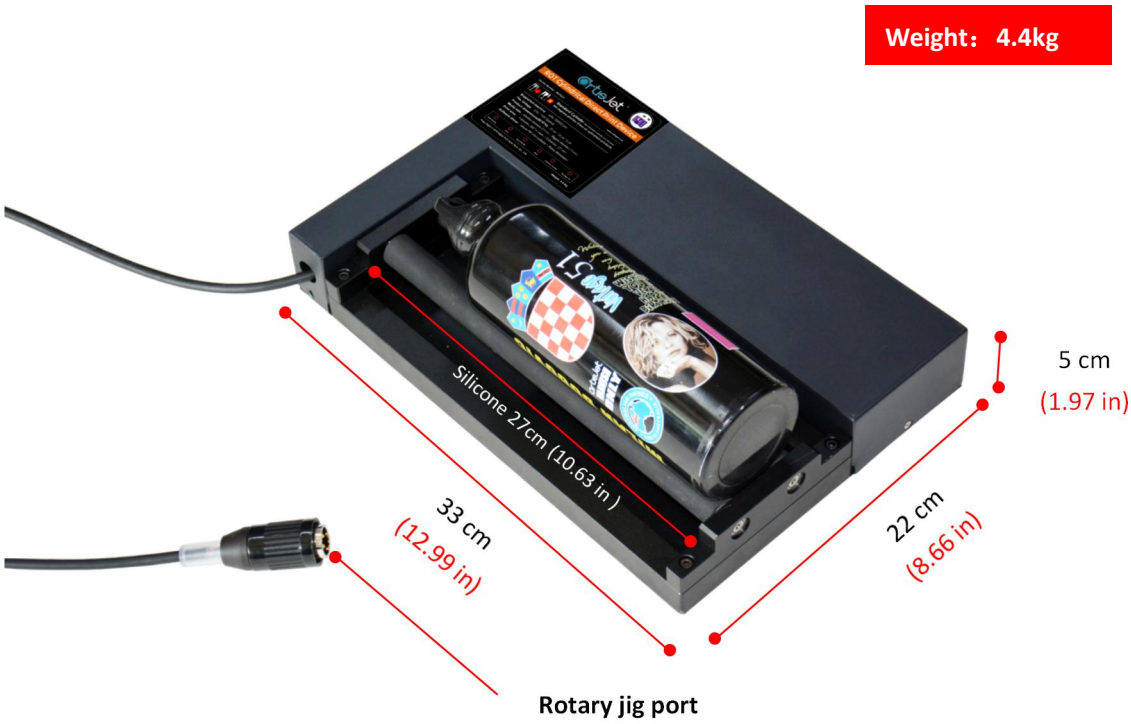
This quick manual is for the users of artisJet 3000U Pro printer, specially the users who have printing experience with flat materials.

1. PREFACE

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

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

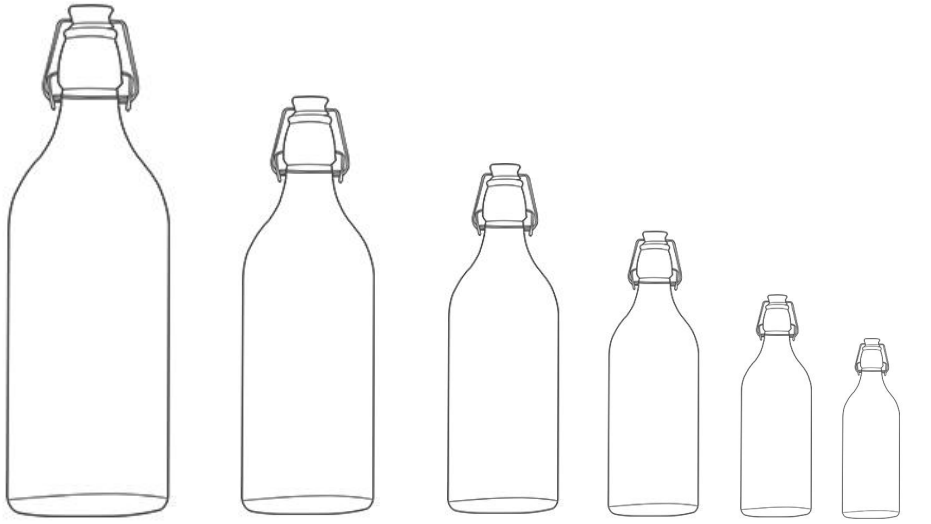


3. ABOUT THE PRINTABLE BOTTLES.

- **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**



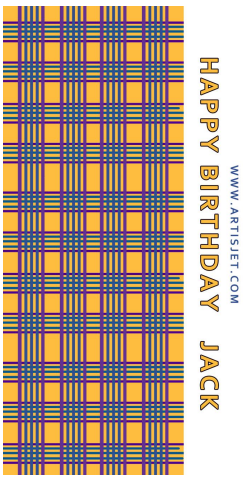
130mm ----------30mm

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

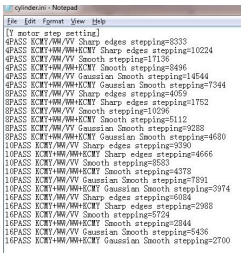
5. HOW TO PRINT

5.1 cylinder.ini file.

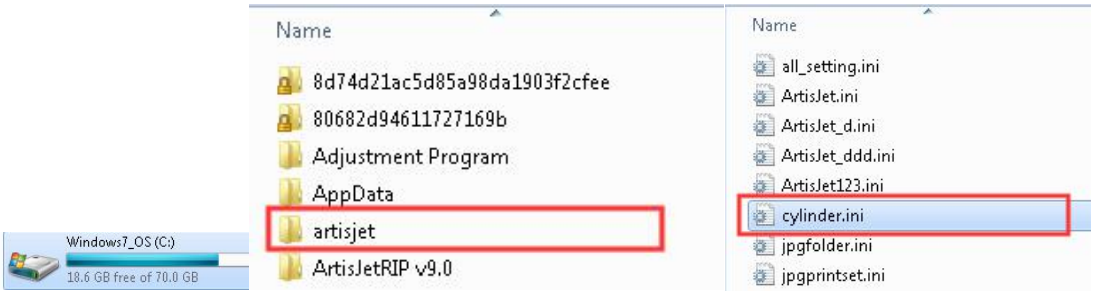
An INI file for setting in the printer driver is a must otherwise the print positioning will have problems.

Open the “Rotary printing” in USB drive USB and copy “cylinder.ini”file.





Open the “artisJet” file in C disc in the computer and paste the “cylinder.ini”



5.2 ROT-360 LOADING.

- Put the E-fixture onto the working table.
- Position the ROT-360 jig onto the E-fixture.
- Position the ROT-360 onto a position with 30cm/11.8in from the front.
- Make sure the edges accurate to the side of the working table.

CAUTION：

Load the ROT jig onto the position with 30CM to the front.



5.3 CONNECTION TO THE PRINTER.

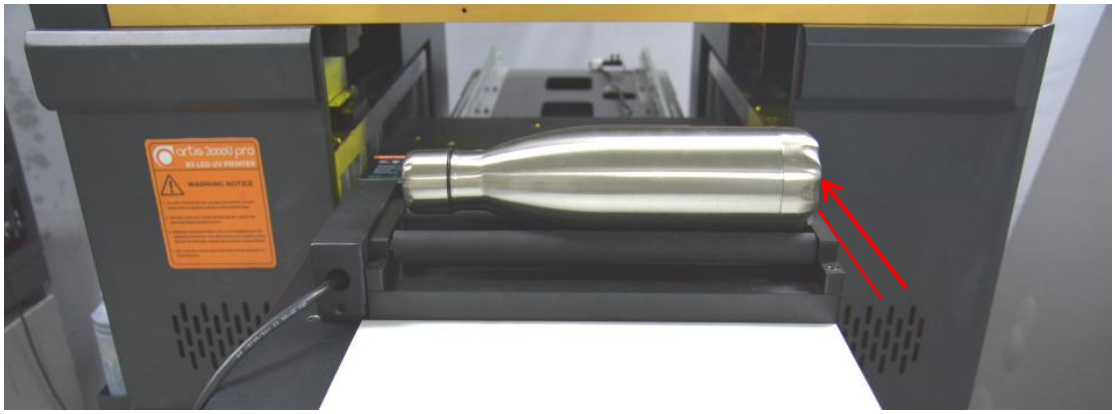
- Connect the port to the printer.





5.4 BOTTLE LOADING.

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



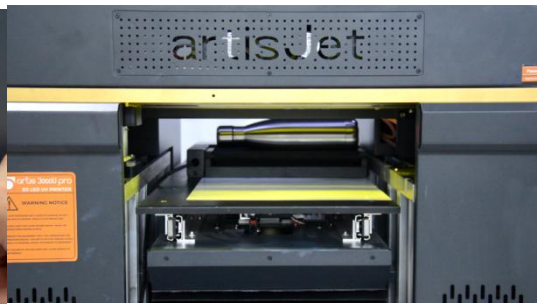
5.5 HEIGHT ADJUSTMENT

- Click the ”Auto position” button on the control panel.
- Wait till the table stops moving.

CAUTION：

Manual height adjustment is a MUST for irregular bottles.

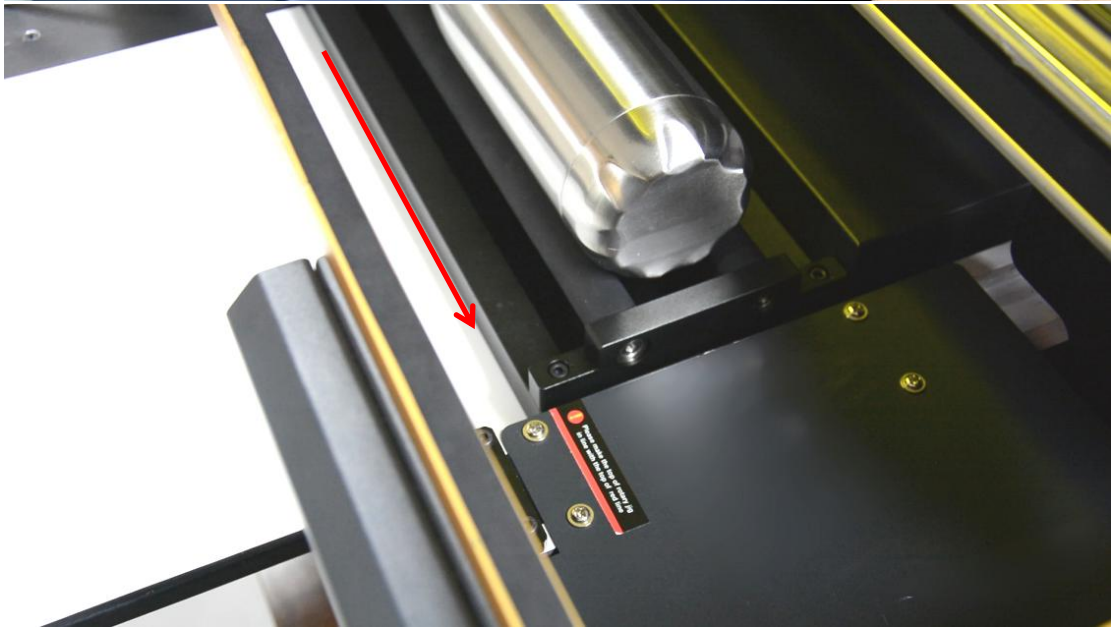




5.6 PRINT POSITIONING

- Click  till the ROT-360 is to the RED point.(As explained by below picture）
- Make sure the head is above the highest point of the bottle.

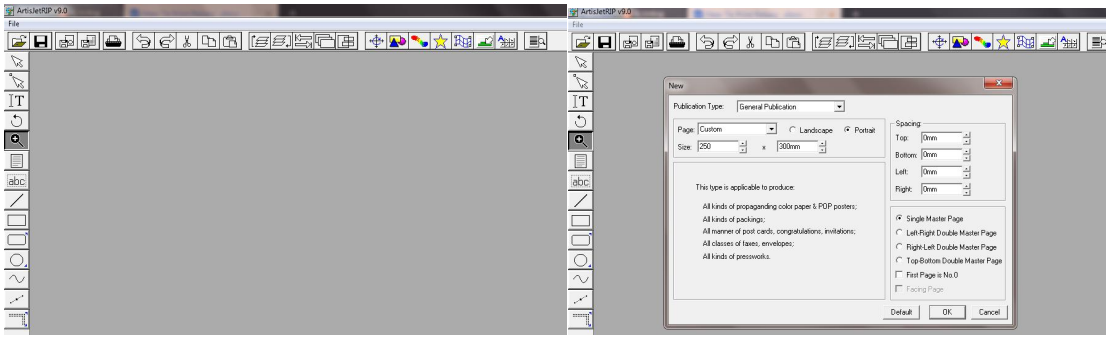




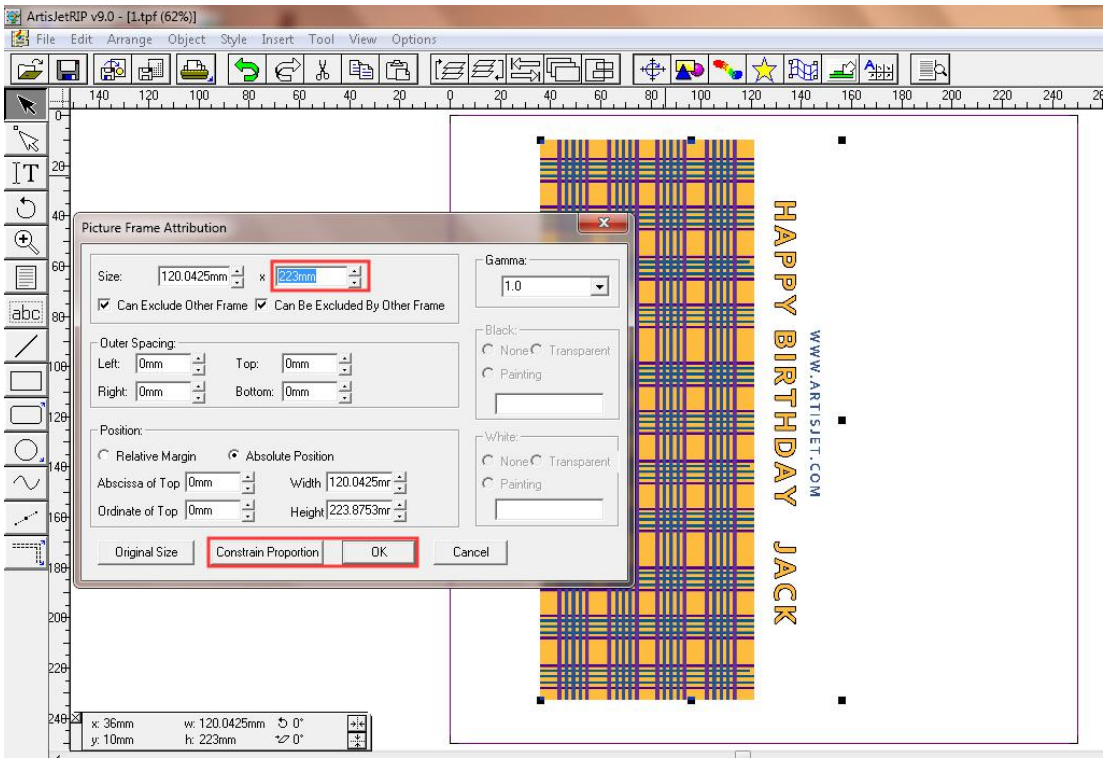
5.7 SOFTWARE SETTING

(1) artisRIP V9.0 setting.

➢ Open artisRIP V9.0 and create new page.



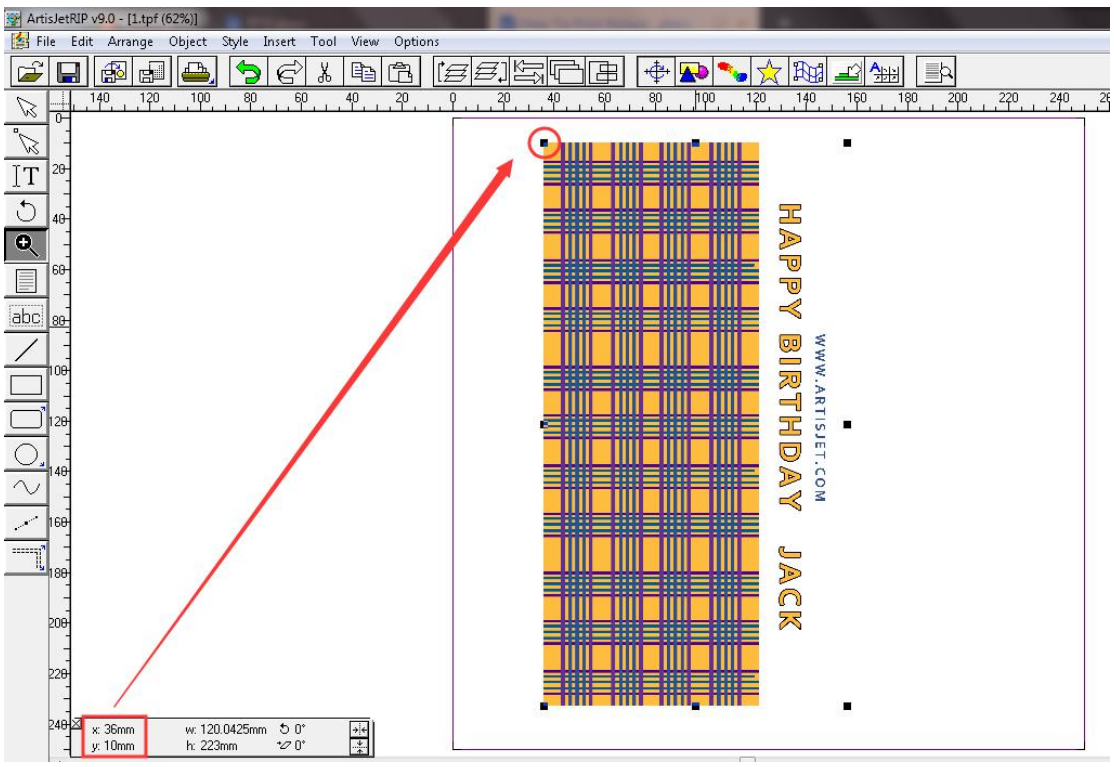
➢ Import the artwork and set the size of printing.



➢ 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

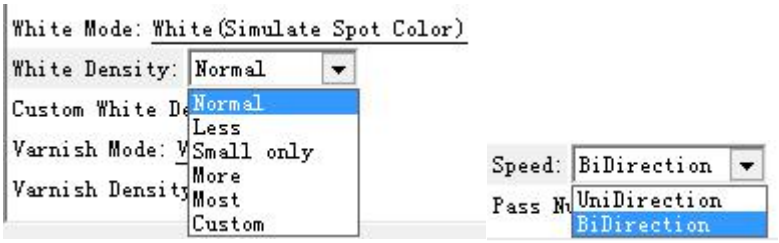
CAUTION：

① White Density： Normal or Less are optional for different materials.

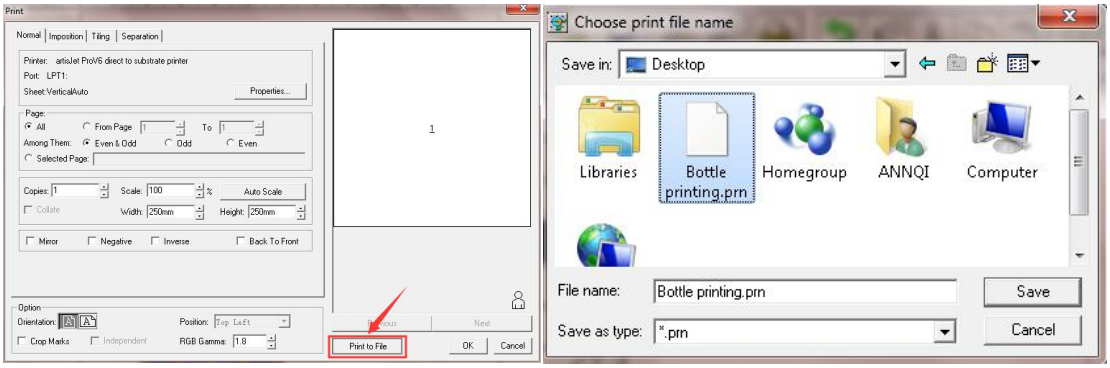
② Speed :

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) Rotary craftsman settings.

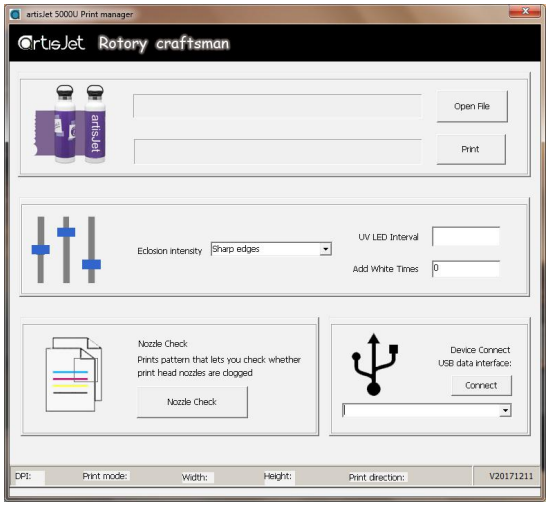
➢ Open **Rotary craftsman** software;

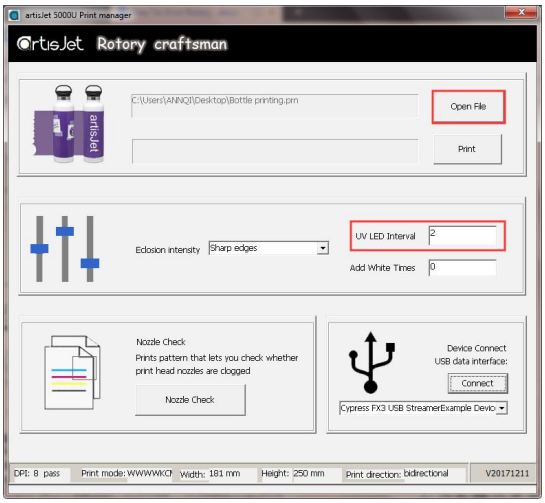
➢ Import.prn file,and set the “UV LED Interval” to 2；

① 2 will set the UV light work in uni-direction.

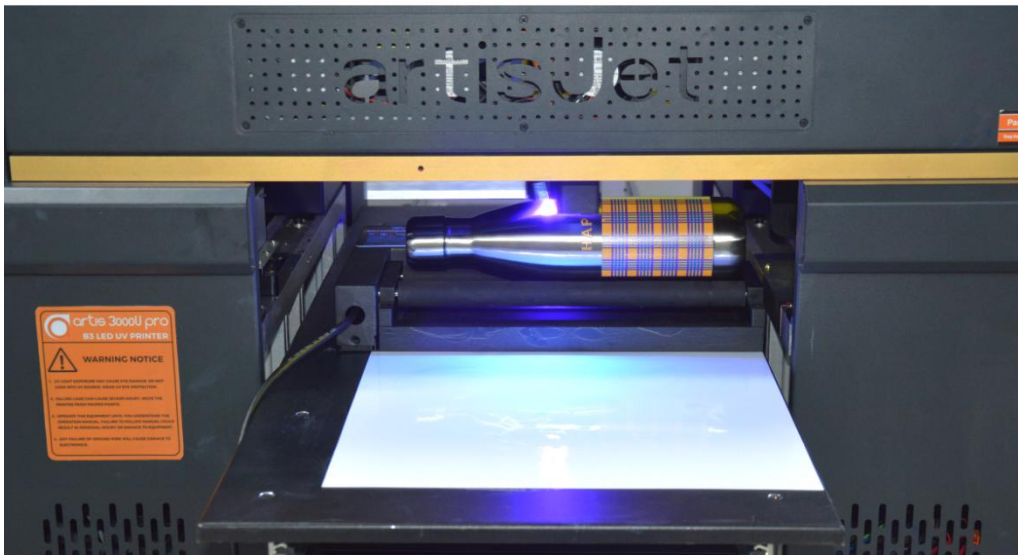
② Otherwise the UV light might hurt the soft materials.

➢ 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 WWWW / WW	Unidirection	**3'20"**
	80mm	95mm		Bidirection	**1'40"**
	80mm	95mm	8PASS WWWW+KCMY	Unidirection	**6'40"**
	80mm	95mm		Bidirection	**3'20"**
50mm	80mm	157mm	8PASS KCMY	Unidirection	**6'**
	80mm	157mm		Bidirection	**3'**
	80mm	157mm	8PASS WWWW / WW	Unidirection	**6'**
	80mm	157mm		Bidirection	**3'**
	80mm	157mm	8PASS WWWW+KCMY	Unidirection	**12'**
	80mm	157mm		Bidirection	**6'**
70mm	80mm	220mm	8PASS KCMY	Unidirection	**7'40"**
	80mm	220mm		Bidirection	**3'50"**
	80mm	220mm	8PASS WWWW / WW	Unidirection	**7'40"**
	80mm	220mm		Bidirection	**3'50"**
	80mm	220mm	8PASS WWWW+KCMY	Unidirection	**15'20"**
	80mm	220mm		Bidirection	**7'40"**
10mm	80mm	314mm	8PASS KCMY	Unidirection	**11'10"**
	80mm	314mm		Bidirection	**5'35"**
	80mm	314mm	8PASS WWWW / WW	Unidirection	**11'10"**
	80mm	314mm		Bidirection	**5'35"**
	80mm	314mm	8PASS WWWW+KCMY	Unidirection	**22'20"**
	80mm	314mm		Bidirection	**11'10"**
130mm	80mm	408mm	8PASS KCMY	Unidirection	**14'20"**
	80mm	408mm		Bidirection	**7'10"**
	80mm	408mm	8PASS WWWW / WW	Unidirection	**14'20"**
	80mm	408mm		Bidirection	**7'10"**
	80mm	408mm	8PASS WWWW+KCMY	Unidirection	**28'40"**
	80mm	408mm		Bidirection	**14'20"**


We Got Married!
Lily & Jhon
LOVE
DAD & MOM
Love
ArtisJet
CHRISTMA







THANK YOU.