artisJet

Rotary Jig User Manual

(UNI360/UNI360L/UNI360LL)

artisRIP V 9.0 + Workstation software 5.6 RC setting

INDEX

ABOUT

This quick manual is for the users of artisJet 3000U Pro / 5000U /6090U printer with workstation 5.6 RC.

1. PREFACE
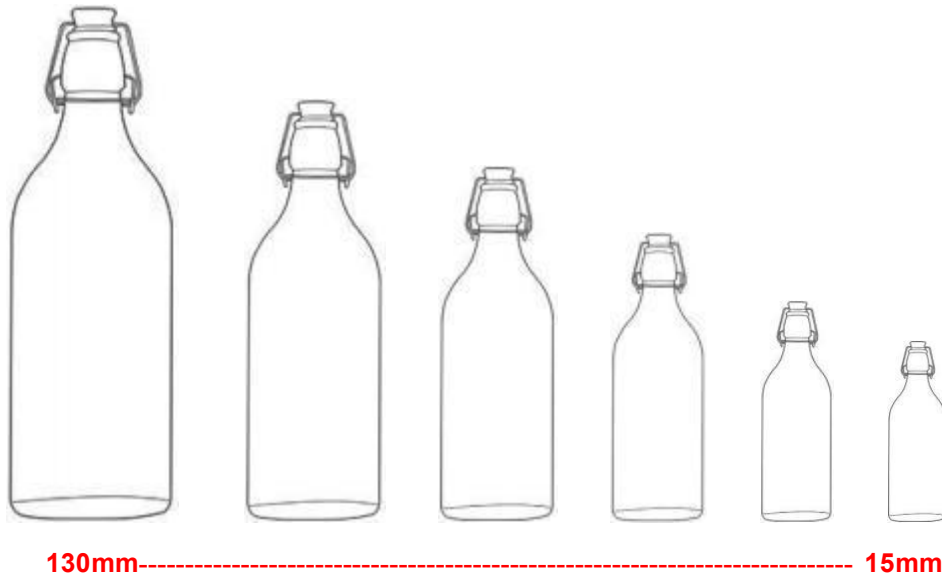
PREFACE			
HIGHLIGHTS		**CONDITIONS**	**SOLUTION**
1.Transparent bottles	Do not measure the height by AUTO POSITION.	The thermal sensor will not read the material.	Adjust the height manually.
	Do not print directly.	UV light reflection will cause head clogging.	Fill the bottles with dark materials.
2. Irregular bottles	Do not measure the height by AUTO POSITION.	AUTO position can not Measure the accurate height.	Adjust the height manually.
3. 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

2.1 PARAMETERS

ABOUT ROT-360 JIG			
	UNI360	**UNI360L**	**UNI360LL**
Suitable to	3000Upro,5000U,6040,6090	5000U,6040,6090	6040,6090
Size(W*D*H)	36 cm * 23 cm * 5.5 cm	51.5 cm * 23 cm * 5.5 cm	61.5 cm * 23 cm * 5.5 cm
Wight	4.1kg	5.4kg	6.1kg
Main Materials	Steel and grinding silicon		
Printable Size — **Printable bottle sizes (Fig.1)**	Smallest diameter (1.5 cm)	Smallest diameter (1.5 cm)	Smallest diameter (1.5 cm)
	Biggest diameter (13 cm)	Biggest diameter (13 cm)	Biggest diameter (13 cm)
Printing area	Y direction (360° or more) / X direction (28 cm)	Y direction (360° or more) / X direction (44 cm)	Y direction (360° or more) / X direction (55 cm)
Printable bottles — **Materials**	Plastic,PET,Steel,Aluminum,Glass,Ceramic,etc.		
Bottle types	Wine bottle, yet, cups,cosmetic,decoration bottle, containers,etc.		
Bottle shapes			
Load capacity	Maximum 3kg		
Software	artisJet RIP V9.0 software + Workstation software 5.6 RC		
Module(optional)	1.Shape Adaptor 2.Position Holder		

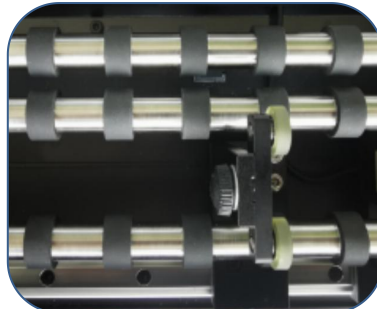130mm-- 15mm
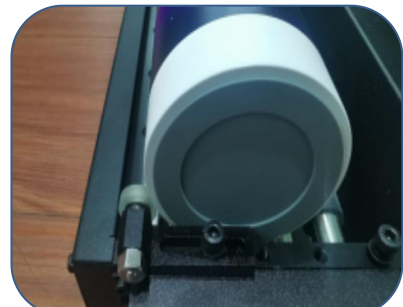
(Fig.1)

2.2 MODULE(OPTIONAL)

◆ **Shape Adaptor**

A customizable mobile component with dual small wheels that accommodates irregular shapes with varying diameters.

◆ **Position Holder**

A dual-sided component that helps ensure precise alignment with the printed object positioned against it.

3. HOW TO PRINT

3.1 LOADING ROTARY JIG

1) Import the .prn file for this device and print the rectangle on the platform as a reference.

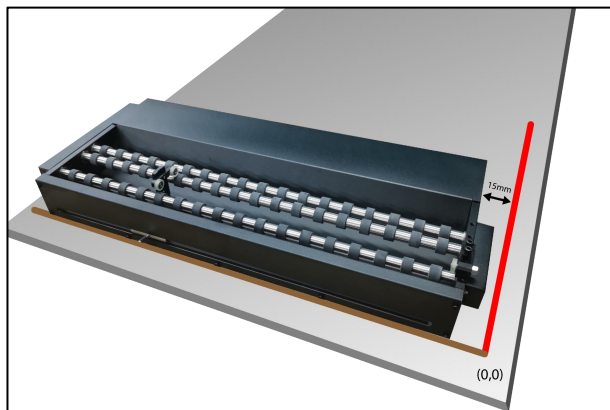2) Position the ROT-360 jig on the platform within the rectangle.

UNI-5000U.prn

UNI-6090 Freebird.prn

UNI-3000Upro Freebird.prn

UNI-3000Upro.prn

◆ **UNI360 / UNI360L / UNI360LL position data**
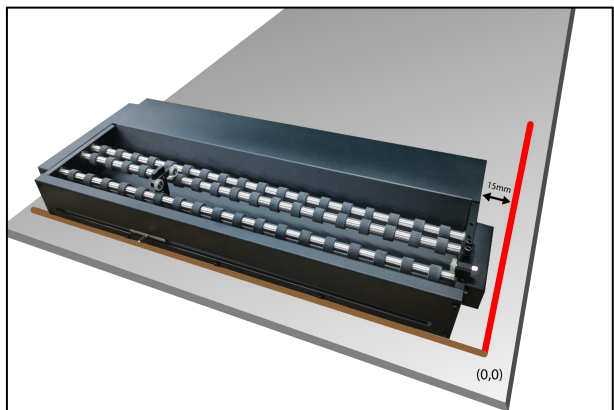

(3000Upro/3000Upro Freebird)
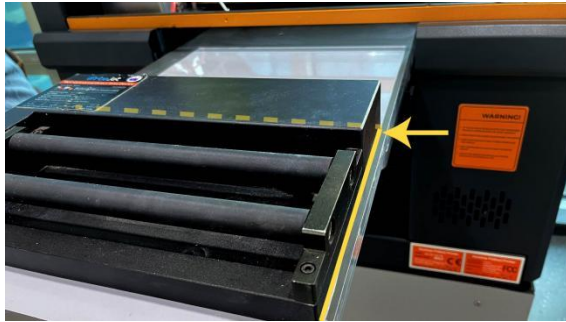

(5000U/5000UFreebird)

(6040)

(6090/6090Freebird)

CAUTION：The data Only for **UNI360/UNI360L** with **Workstation V5.6 RC**.

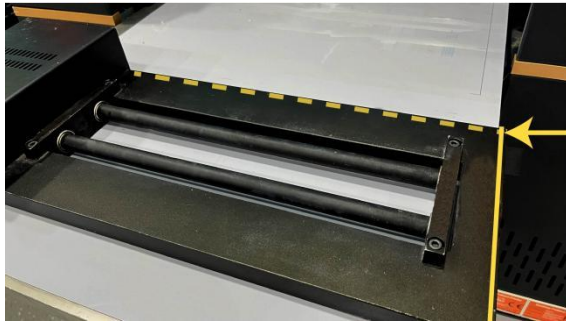For the other jigs using Workstation V5.6 RC,please use the following location data.

- Rotary jig for 3000Upro.prn
- Rotary jig for 5000U.prn

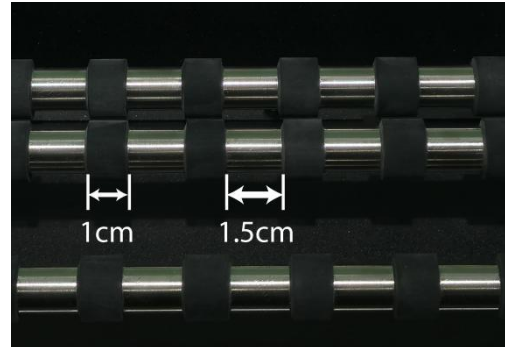Printer platform placement as shown：

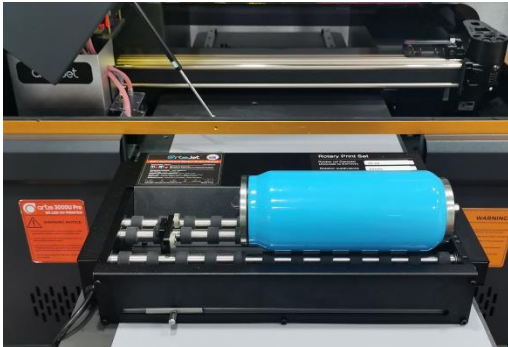(3000Upro)

(5000U)

3.2 CONNECTION TO THE PRINTER

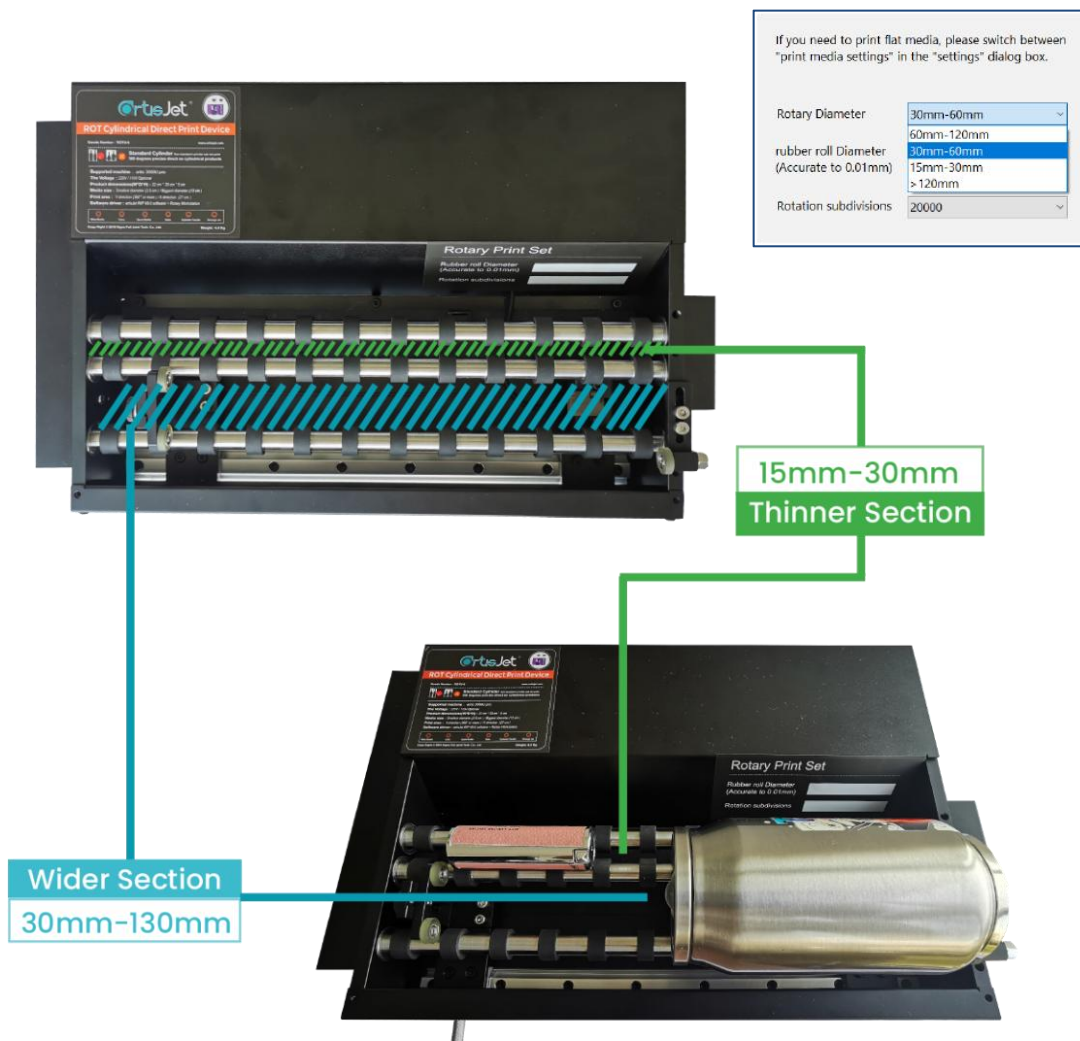➢ Connect the port to the printer.

3.3 BOTTLE LOADING

➢ Load the bottle onto the UNI360/UNI360L/UNI360LL .

It enjoys a dual-track design engineered to cater to an extensive ar-ray of diametral sizes.

By choosing the diameter range within the artisJet Workstation, the printer can automatically determine the settings for the print head.

3.4 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.

3.5 ABOUT THE ARTWORK

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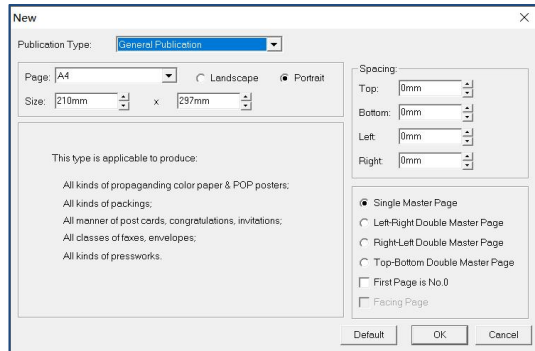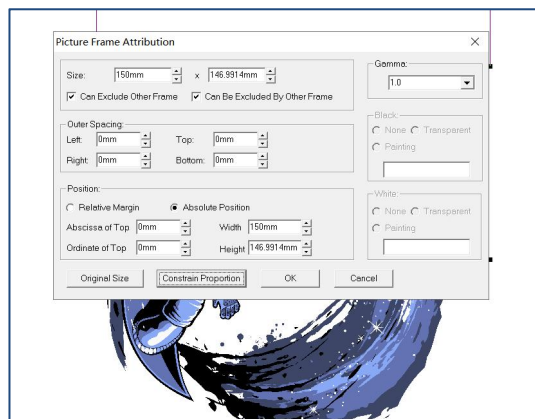

Original picture

File artwork after 90 degrees
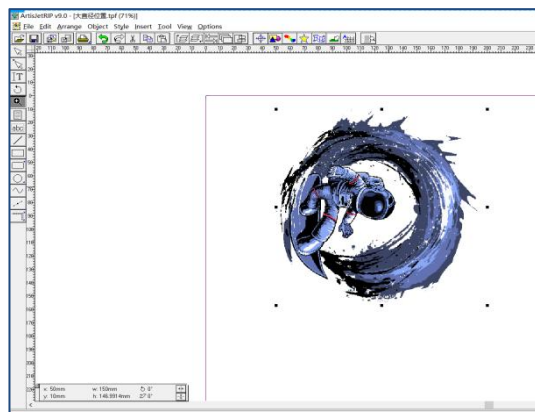
3.6 SOFTWARE SETTING

(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**

When the bottom of the bottle is aligned with the edge of the jig, the printing start point:

x-direction(mm)				
	3000Upro	**5000U**	**6040**	**6090**
UNI360	21	8	23	23
UNI360L	/	8	23	23
UNI360LL	/	/	23	23

◆ **Set the printing mode.**

Three options-Regular:
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

Three options-Freebird:
① Color print only： 4PASS KCMY
② White print only： 4PASS WWWW/4PASS WW
③ Color and White print： 4PASS WWWW+KCMY/4PASS WW+KCMTY

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.

◆ **Send tasks to workstation.**
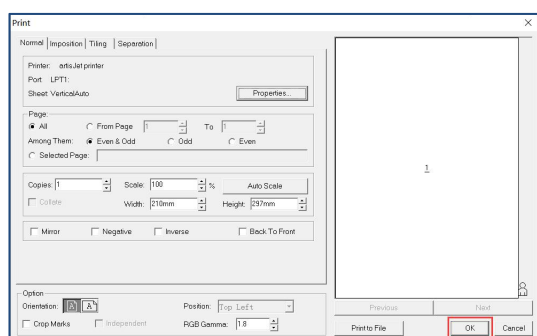
(2) Workstation setting

◆ **Open the "artisJet Workstaion V5.6 RC"**
◆ **Click the "Setting" button to open the settings window.**
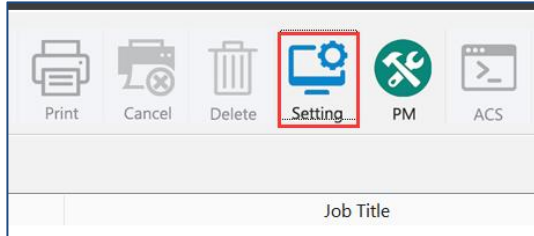
◆ **Set the print mode set option to "360 rotary print". Set "UV light set" to unidirection.**
◆ **Click the "Save" button to save the settings.**
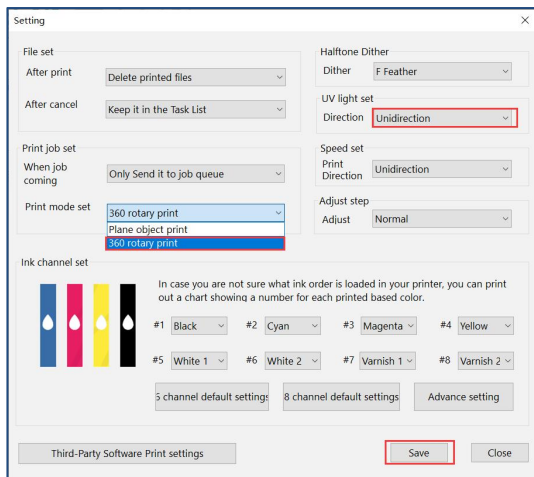
◆ **Rotary setting print:**

Click the "Rotary" button to set "Rotary Diameter Range", "rubber roll Diameter" and "Rotation subdivisions" according the Rotary Print Set in the rotary jig.
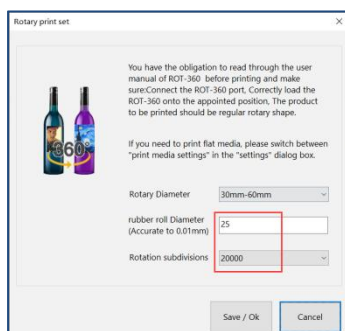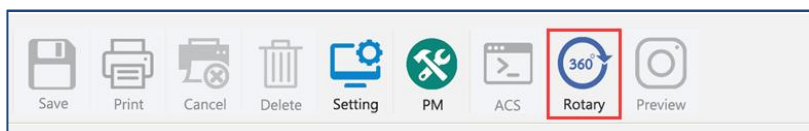
(3) Printing in software

◆ Select print task
◆ Click "**Print**" to start printing.

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4. GUIDANCE FOR SETTINGS

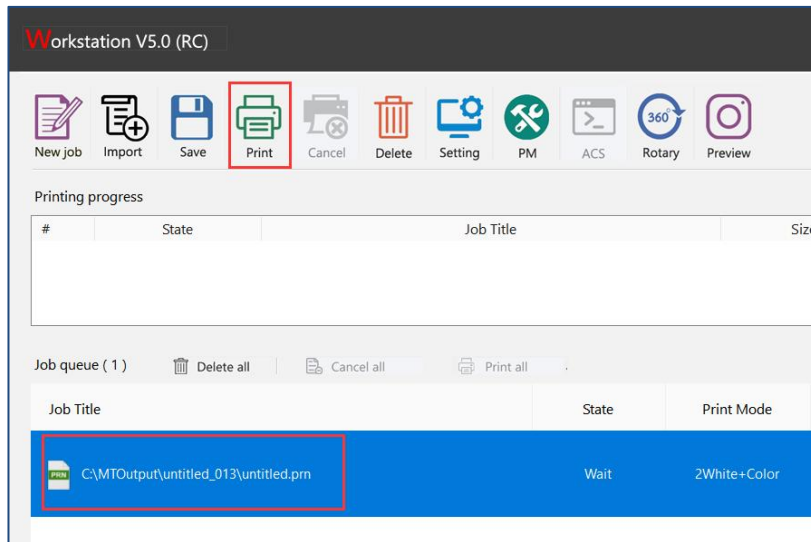| GUIDANCE FOR SETTINGS							
Bottle diameter	**Print area**		**Print mode**		**Speed**	**Print time**	
	Height	Perimeter	Regular	Freebird		Regular	Freebird
30mm	80mm	95mm	8PASS KCMY	4PASS KCMY	Unidirection	3'20"	1'46"
	80mm	95mm			Bidirection	1'40"	0'53"
	80mm	95mm	8PASS WWWW / WW	4PASS WWWW / WW	Unidirection	3'20"	1'46"
	80mm	95mm			Bidirection	1'40"	0'53"
	80mm	95mm	8PASS WWWW+KCMY	4PASS WWWW / WW	Unidirection	6'40"	3'21"
	80mm	95mm			Bidirection	3'20"	1'41"
50mm	80mm	157mm	8PASS KCMY	4PASS KCMY	Unidirection	6'	2'03"
	80mm	157mm			Bidirection	3'	1'01"
	80mm	157mm	8PASS WWWW / WW	4PASS WWWW / WW	Unidirection	6'	2'03"
	80mm	157mm			Bidirection	3'	1'01"
	80mm	157mm	8PASS WWWW+KCMY	4PASS WWWW+KCMY	Unidirection	12'	3'52"
	80mm	157mm			Bidirection	6'	1'56"
70mm	80mm	220mm	8PASS KCMY	4PASS KCMY	Unidirection	7'40"	2'20"
	80mm	220mm			Bidirection	3'50"	1'10"
	80mm	220mm	8PASS WWWW / WW	4PASS WWWW / WW	Unidirection	7'40"	2'20"
	80mm	220mm			Bidirection	3'50"	1'10"
	80mm	220mm	8PASS WWWW+KCMY	4PASS WWWW+KCMY	Unidirection	15'20"	4'24"
	80mm	220mm			Bidirection	7'40"	2'12"
100mm	80mm	314mm	8PASS KCMY	4PASS KCMY	Unidirection	11'10"	2'45"
	80mm	314mm			Bidirection	5'35"	1'22"
	80mm	314mm	8PASS WWWW / WW	4PASS WWWW / WW	Unidirection	11'10"	5'12"
	80mm	314mm			Bidirection	5'35"	2'36"
	80mm	314mm	8PASS WWWW+KCMY	4PASS WWWW+KCMY	Unidirection	22'20"	5'12"
	80mm	314mm			Bidirection	11'10"	2'36"
130mm	80mm	408mm	8PASS KCMY	4PASS KCMY	Unidirection	14'20"	3'10"
	80mm	408mm			Bidirection	7'10"	1'35"
	80mm	408mm	8PASS WWWW / WW	4PASS WWWW / WW	Unidirection	14'20"	3'10"
	80mm	408mm			Bidirection	7'10"	1'35"
	80mm	408mm	8PASS WWWW+KCMY	4PASS WWWW / WW	Unidirection	28'40"	5'59"
	80mm	408mm			Bidirection	14'20"	3'00"

THANK YOU.