

# Raster Link 7 Variable Print Guide

Procedure for Creating and Printing Variable Print Data

MIMAKI ENGINEERING CO., LTD.

https://mimaki.com/

D203524-14

# **Table of Contents**

Introduction	3
Precautions	3
About this Guide	3

# **Chapter 1 Procedure for Creating and Printing Data**

1.1 What is Variable Printing?	6
1.2 Workflow	7
1.3 Procedure	8
1. Create a template	8
2. Prepare face photos	8
3. Create the database.	
4. Load the template	10
5. Open the Variable Edit screen	11
6. Load the database	11
7. Set up the variable areas	12
8. Print.	

# **Chapter 2 Numbering Function**

2.1 What is the Numbering Function?	20
2.2 Workflow	21
2.3 Procedure	22
1. Create a template	22
2. Load the template	22
3. Open the Variable Edit screen	23
4. Set up numbering	23
5. Set up the variable areas	25
6. Print.	27

# **Chapter 3 Troubleshooting**

3.1 Dealing with Error Messages	32
3.2 Replacing the Database	
3.3 Printing Combined Variable Printing and Composite Printing	3
	. 34

# Introduction

This guide describes how to use the RasterLink7 software that comes with the Mimaki printer for variable printing and setup. For details of RasterLink7 operation procedures, refer to the RasterLink7 Reference Guide and other related manuals.

## Precautions

- Any unauthorized use or reproduction, in part or whole, of this manual is strictly prohibited.
- The information in this manual may be subject to change without notice in the future.
- Note that some of the descriptions in this manual may differ from the actual specifications due to improvements and revisions to this software.
- Copying Mimaki Engineering Co. Ltd. software described in this manual to other disks (except for the purpose of backup) or loading it to memory other than for the purpose of running it, is strictly prohibited.
- With the exception of what is provided in the warranty provisions, Mimaki Engineering Co. Ltd. does not assume any liability for any damage (including, but not limited to, the loss of profit, indirect damage, special damage, or other monetary damages) resulting from the use or inability to use this product. The same shall also apply to cases where Mimaki Engineering Co. Ltd. has been advised of the possibility of damage in advance. For example, we shall not be liable for any loss of media (work) caused by use of this product or indirect losses caused by products created using the media.

RasterLink is a trademark or a registered trademark of Mimaki Engineering Co. Ltd. in Japan and other countries.

Adobe Illustrator is the trademarks or registered trademarks of Adobe Inc. in the United States and other countries.

Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.

Other company names and product names described in this guide are trademarks or registered trademarks of their respective companies.

## About this Guide

### Notation used in this guide

• The buttons and items displayed in screens are enclosed in square brackets, such as [OK] and [Open].

## Symbols used in this guide

		Description
(Important!)	Important	The "Important" symbol represents information you must be familiar with when using this tool.
0	Mandatory action sign	Indicates an action that must be carried out. The specifics of the mandatory action are drawn inside the symbol.
	Tip	The "Tip" symbol represents useful information to know.
(T)	Reference information	Indicates the corresponding page for related information. Clicking the symbol takes you to the applicable page.

The latest versions of this guide and related documents are available at the following location:

• Our official site (https://mimaki.com/download/software.html)

# Chapter 1 Procedure for Creating and Printing Data



This chapter

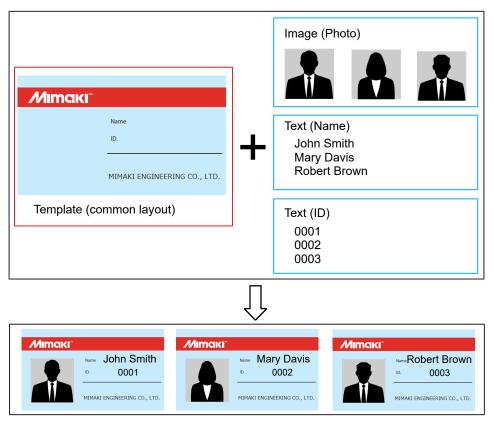
This chapter describes how to create and print data for variable printing.

What is Variable Printing?6	3
Workflow7	7

Procedure	8
1. Create a template	8
2. Prepare face photos	8
3. Create the database.	9
4. Load the template.	10
5. Open the Variable Edit screen	
6. Load the database	
7. Set up the variable areas	12
8. Print.	
	-

# 1.1 What is Variable Printing?

Variable printing refers to producing prints by filling out a template with variable data such as names and photos.



This chapter describes the procedure from creating a template to creating data for variable printing and producing prints.

The following software programs are used:

- 1. Adobe Illustrator
- 2. Microsoft Excel
- 3. RasterLink7

# 1.2 Workflow



(AP "8. Print."(P. 16)

# 1.3 Procedure

# 1. Create a template.

**C**reate a template including the areas to insert data (red dashed lines).

	De Ander 1
<ul> <li>○, 武</li> <li>※, *,</li> <li>●, ●,</li> <li>○, □</li> <li>○, □</li> <li>○, □</li> <li>○</li> <li>○</li></ul>	Name 2 ID. 3
	MIMAKI ENGINEERING CO., LTD.

1	Area to insert the photo
2	Area to insert the name
3	Area to insert the ID number

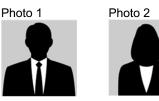
#### **2** Save the template.

• Templates can be saved in any of the following three formats: PDF, EPS, PS

## 2. Prepare face photos.

Prepare photos to be inserted.

In this example, portrait photos are used.





- The size of the image does not need to be adjusted to fit the insertion area.
- It can be adjusted later in RasterLink.
- The following two file formats can be used: JPEG, TIFF

## 3. Create the database.

Create the database to be inserted in the template.

#### • To create the database in Excel

Auto	Save Off 🛛 🖉	?• ୯- •		ID_Data	base.csv -	Excel		E	Ð –		×
File	Home Insert	Page Layout	Formulas	Data	Review	View	Help	Q	Search	ß	9
G4	• : ×	√ f <sub>x</sub>									~
		А			В		С		D	E	
1 Ima	ige			Name		10	C	-	-1		
2 C:\I	Document\Variable	eData\Picture1.	pg	John Sn	nith	C	001				
3 C:\I	Document\Variable	eData\Picture2.	pg	Mary Da	ivis	Ó	002	-	<u> </u>		
4 C:\I	Document\Variable	eData\Picture3.	ipg	Robert B	Brown	C	003				
				1				_			

1	Column name (Header)	Enter a "header" name in the first line of each column. Be sure to create the column name as it is used as the item name for variable print settings.
2	<ul> <li>Data to be inserted (Data section)</li> <li>If you want to insert the image, enter the file path of the image.</li> <li>If you want to insert the character string, enter the character string.</li> </ul>	<ul> <li>Image File path = "Image file location" + "\" + "File name"</li> <li>Image file location: Right-click the image file in Windows Explorer and select [Properties]. [Location] in the [General] tab, "Image file location" is displayed.</li> <li>File name: Name of the file with extension. For example, the JPEG image file extension is ".jpg".</li> </ul>

• Up to 30 columns can be set. Up to 1000 rows can be set.

· Save the database created in Excel in the "CSV UTF-8 (comma-separated)" format.

If you cannot save the database in the "CSV UTF-8 (comma-separated)" format in Excel, you need to save it in the "CSV (comma-separated)" format in Excel, and then save it in the UTF-8 format in Notepad.
 For details, refer to IT is save the database in the UTF-8 format" (P. 9) on this page.

#### • To save the database in the UTF-8 format

#### Open the database created in Excel in Notepad.

• Right-click the database in Windows Explorer, and select [Open with] - [Notepad].



#### 2 Click [File] - [Save As].

1

**3** Select the following conditions and then click [Save].

		Save As				×
			Docu > VariableData	ر ٽ <del>ب</del>	Search VariableData	
		Organize 👻 New	folder		8== -	?
		Music Pictures Wideos Windows (C:) CrashDumps Document VariableData File name: IC Save as type: A Hide Folders	D_Database.csv II Files (*.*) Encoding: UTF-8	^ 	Date modifie	d
1	Save as type		Select "All file	es (*. *)".		
2	Encoding		Select "UTF-	8".		

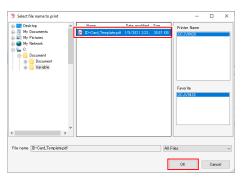
# 4. Load the template.

Load the template created in CP "1. Create a template."(P. 8) to RasterLink.

#### Select [File] - [Open] menu.

7 Mi	makiRasterL	ink7		
File	Function	Tool	Environments	About
	Open C			
	Restore (	Ctrl+R		
	Exit C	trl+Q		] 🕓 🗂
1	Oyan			29%
2	Magenta			74%
3	Yellow			71 %
4	Black			27%

**2** Select a template from the [Select file name to print] dialog and then click [OK].



## **3** Check that the entered template appears in the job list.

MimakiRasterLink7			- 🗆 ×
File Function Tool Environments About			Mimaki
Printer	Job List	Properties	
Status Remote Idle	Layered Thumbnail Job Name Attribute Date	Lock	
1 Oyan 23%	ID-Card_Templat Color 1/5/2021 22	File	
2 Magente 74K 3 Yellow 71K		Job Name ID-Card_Template.pdf	
3 Tellow /11		File Name ID-Card_Template.pdf	11

# 5. Open the Variable Edit screen.

1

Select the loaded template, then select the Variable Edit icon.

ile Function Tool Environments About									Mimai
rinter	Job List						Properties		6
Status Remote Idle	I Arranged	Layered	Thumbnail	Job Name	Attribute	Date	Lock		<b></b>
1 Cyan 29K				ID-Card_Templat.		1/5/2021 2:2	File		
2 Magenta 74K			row and the second				Job Name	ID-Card_Templatepdf	G
3 Yellow 71 %							File Name	ID-Card_Template.pdf	11
ob Queue [ 0 ] Running							Format	PDF	
Thumbh Job Na Status Progress -							Image Size	38.07 KB	
							Pages	1	<b>1</b>
							Page size	22.87 × 40.00 mm	
							Favorites: Spool Setting	EUCJV0420	
							Job Attribute	Full Color	~
							Use special color names	Not Exist	

#### **2** Check the Variable Edit checkbox.

- Checking the checkbox allows you to set up variable printing and produce prints.
- If you wish to print the template only, uncheck the checkbox.

MimakiRasterLink7	- 🗆 X
File Function Tool Environments About	Mimciki <sup>®</sup>
Veriable Edit Veriable Edit Add Numbering	
Name	
	MIMAKI ENGINEERING CO., LTD.
UCJV0420 [7]	

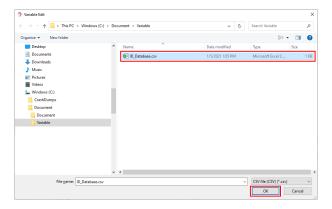
# 6. Load the database.

Load the database created in ( "3. Create the database."(P. 9).

#### Click the button for loading the database (CSV file).

MimakiRasterLink7	- 0
File Function Tool Environments About	Mimo
Variable Edit	80 70 60 50 40 30 20 10 0
Add Numbering	
Name	
	8-1 Name
	MIMAKI ENGINEERING CO., LTD.
	MIMAKI ENGINEERING CO., LTD.

**2** Select the database file to be loaded from the [Variable Edit] dialog and then click [Open].



**3** Check that the loaded database is displayed.

MimakiRasterLink7			- 0	×
File Function Tool Environments About			Mirr	nak
ariable Edit  Variable Edit  Add Numberine Name D_Database.csv  O4DocumentWariableDat9Ficture3ge Robert Brown 000  O4DocumentWariableDat9Ficture3ge Robert Brown 0003  U40000000  U400000000000000000000	H - Position Si	Insee Text Idth 0.00 © mm sight 0.00 © mm sight 0.00 © mm		

# 7. Set up the variable areas.

#### • To insert an image

1

Select the column name (Image) on the list at the upper left. (The entire column is selected.)

🎘 Mim	nakiRa	terLink7 1.1.0						– 🗆 X
File	Functi	on Tool Environments About						Mimak
Variable	Varia	be Edit Add Numbering D_Database.csv D_Database.csv Criticourse(TV/artableDatAFF)cture1ge Criticourse(TV/artableDatAFF)cture3ge Criticourse(TV/artabfF)cture3ge Criticourse(TV/artab	Mary Davis 0002	Variable settine Item Name Type Size Position	Image           Text           Width         0.00[2] mm           Height         0.00[2] mm           Scien         0.00[2] mm           Feed         0.00[2] mm	10 20 30 40 mm	11800000000000000000000000000000000000	

#### **2** Specify the size and position of the variable area.

(1) Check to confirm that a red dot is displayed on the lower right preview window.

MimakiRasterLink7		- 🗆 X
File Function Tool Environments About		Мітак
	Variable setting Rem Name Inege Type Picture Size Width 0.00 © mm Height 0.00 © mm Position Res 78.94 © mm Feed 27.98 © mm Layout	
Select All Unselect All	Fit .	
UJV100[3]		

- (2) Click and drag the red dot at the upper left of the variable area diagonally to the lower right to specify the variable area.
  - The variable area size and position is set and the variable area is indicated by a magenta frame.
  - The corresponding values are automatically updated for [Width] and [Height] in [Size] and for [Scan] and [Feed] in [Position].

MimakiRasterLink7	- □ >
File Function Tool Environments About	Mimak
	Variable settine         Image           Item Name         Image           Type         Picture           Size         Width           223.88         mm           Heidet         221.00           Red         60           Soan         53.990           Feed         6.590           Image         Image           Image         Image <td< th=""></td<>
	FR > ~ 🔂 🔍 🐚 🔽
	Fit

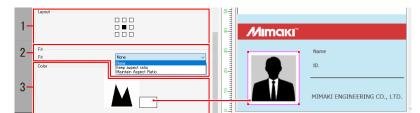
- (3) Adjust the size of the variable area.
  - When the cursor is moved over the magenta frame of the variable area, it changes to a horizontal, vertical, or diagonal style cursor. The horizontal, vertical, or diagonal cursor can be dragged to alter the area size.

MimakiRasterLink7:				-	
File Function Tool Environments About				M	<b>limaki</b>
Variable Edit					
Variable Edit	Variable setting	^	20 70 60 50	40 20 20 10 (	
Add Numbering	Item Name	Image	ົ້ມມີມີມາມານີ້ມາມານນີ້ນາມານນີ້	40 30 20 10 0	նա 🔛 🗌
					^ <b>Õ</b>
Name ID_Database.csv	Туре	Picture			
Print Image Name	Size				13.
C:¥Document¥Variable¥Picture1jpg John Smith	Joize				-
C#Document#Variable#Picture2.jpg Mary Davis	Width	25.84 🜩 mm	📲 Mimaki		
C:#Document#Variable#Picture3.jpg Robert Brown	Height	22.45 🜩 mm			
	- Congrit			News	5.0
	Position			Name	
	Scan	53.82 🛟 mm		ID.	50
	Feed	6.77 🗧 mm			GO
	Layout				
				MIMAKI ENGINEERING CO., LTD.	
					× 🗙
Select All Unselect All	Fit			-	_
	< .	×		11 II I	ן 🔁 ו
UJV100 [ 8 ]					

- (4) Adjust the position of the variable area.
  - When the cursor is moved over the variable area, it changes to a cross-shape cursor. The cross-shape cursor can be dragged to alter the area position.

MimakiRasterLink7 – O X
File Function Tool Environments About
Variable Settine Variable Settine Name Dotatabase cov Print Image Print Image
<ul> <li>The variable area size and position can also be altered by directly entering the desired values for [Size] and [Position].</li> <li>Enter the size ([Width], [Height]) of the variable area. The size entered is indicated by a magenta frame on the preview window.</li> </ul>
the preview window. The variable area is repositioned at the position entered.
Image: the set of
variable area size and position on the preview window. The variable area cannot be selected on the preview window.

## **3** Set the layout and color.



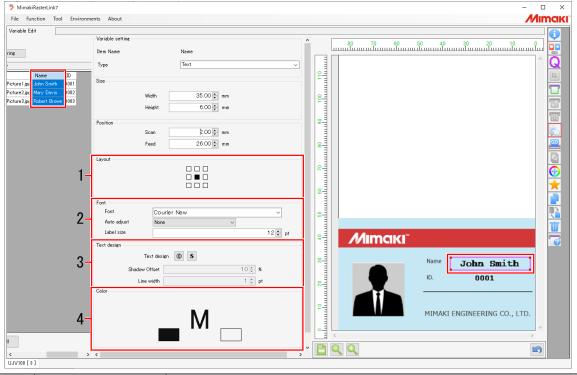
1	Layout	Specifies the layout of the variable area.
2	Fit	<ul> <li>[None]: The image is displayed at its actual size.</li> <li>[Keep aspect ratio]: The image is displayed with the aspect ratio fixed to that of the frame set in step 2.</li> <li>[Maintain Aspect Ratio]: The image is displayed so that it fits the frame set in step 2.</li> </ul>
3	Color	Specifies the color used for margins if the image size differs from the frame set in step 2. (If not specified, the background color will be used.)

### • To insert text

- Select the column name (Name). (The entire column is selected.)
- **2** Specify the size and position of the variable area.
  - For details, refer to ( "Specify the size and position" (P. 13).

### **3** Set the layout and color.

• For details, refer to 🖉 "Set the layout and color."(P. 26).



1	Layout	Specifies the layout of the variable area.
2	Font	Specifies the text font and size and whether or not automatic adjustment is used.
3	Text design	Specifies outlines and shadows for the text.
4	Color	Specifies the text color, margin color (the background color will be used if the margin color is not specified), and color used for text design.

# 8. Print.

## Select the [General Print] icon T and check the print layout.

eral Print ID-Card	Template.eps					
List	Image Edit	Input Scan	85.00 mm Feed	48.60 mm Outpu Scan	85.00 mm Feed 4	8.60 mm
umbnail -	Scale	^			Arrow key unit 1	∨ mm 0
Alexandrow and a second	Scan 100.00 ÷ % 85.00 ÷ mm	30	0	200	100	<u> </u>
	Feed 100.00 ★ % 48.60 ★ mm	تىبىا ا		200		الث
· · · ·	C Keep have					<u> </u>
-	Rotation					
-	OFF 90 180 270 Reverse					
-						
	Position Scan 0.00 🗧 mm					
	Feed 0.00 ‡ mm				<i>М</i> ітакі <sup>-</sup>	
					have th	
	Copy 1 copy(s)				HIMAG ENGINEERING O	D., (TD.
1.1	Block move	옥			A free sure	
1.1	Each move				Mimaki	
1	Layout	_   -				
	Scan 0.00 mm				HOWAR ENGINEERING O	D., 17D.
	Space     Feed     O.00      mm				<i>M</i> imaki <sup>*</sup>	_
1.1					Name 10.	
1	O Pitch Scan 85.00 + mm				MINAKE ENGINEERING O	0,170
1	Feed 48.60 + mm					>
	Register Mark					
	Mark Shape OFF		📀 💩 Sequential	✓ 【	← 1/1 → ≫	<u>60</u>

### 2 If you wish to insert space between data, enter the space values in [Layout].

- Scan: Left and right margins
- Feed: Top and bottom margins

MimakiRasterLink7 1.1.0	0					- 🗆	×
File Function Tool	Environments About					Min	naki
General Print ID-Card_Te	emplate.eps						a
Job List	Image Edit	Input S	ican 85.00 mm Feed	48.60 mm Outpu Scan	85.00 mm Feed	48.60 mm	
Thumbnail	Rotation	ľ		1	Arrow key unit 1	∼ mm	
	Notation Wirror Reverse		300	200	100	0	Q
							11
1.1	Position	_ <sup>™</sup> -				^	
	Scan 0.00 🖨 mm	1					
	Feed 0.00 🖨 mm	-				_	
	Arrange in the Center	11 -			Mimaki'		ŦŦ
	Copy1 _ copy(s)				<u>0.</u>		
		-			MINAG	CHGNERENG CD., LTD.	
	Block move     Each move	말			Мітакі"		
	Layout				Hann K.		2 (
	Scan 000 mm	11 7			REAR	CHENEREMS CD., 170.	
	Space     Feed     5.00      mm				Mimaki,		T.
	Scan 85.00 ‡ mm	-			New York		
	O Pitch Feed 48.60 + mm	1				ENGINEERING CD., LTD.	
		°-	4				
	Register Mark						<b>T</b>
	Mark Shape OFF		R R O 🕹 🔤	uential 🗸 😽	• 1/1 🔹	<b>I</b>	<u> </u>
< >		<				>	
UCJV0420 [ 7 ]							

#### Vertical/horizontal arrangement

3

• By default, print images are arranged vertically.

	240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 makaanahaanahaanahaanahaanahaanahaanahaa	80 70 60 5	0 40 30 20 10 0	
2				^
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 unuluunduunduunduunduunduunduunduunduund				
÷ 🛯		Mimaki		
<u>2</u> 1			Name	
2-			D.	
2				
5			MIMAKI ENGINEERING CO., LTD.	
-				
8-		Mimaki		
8-			Name	
2			10.	
9			MIMAKI ENGINEERING CO., LTD.	
8-				
<del>2</del>		<i>M</i> imaki"		
2			Name	
<u> </u>		1	0.	
~				
2-			MIMAKI ENGINEERING CO., LTD.	
•				V
	<		>	
+	🔍 🔍 🔕 🍉 Sequential 🧹 💽	1/1		

• Click [Rearrangement], then select "Minimize" to rearrange images horizontally.

	30	0290280270260	250240230	2202102001901801	701601501	40130120110100 90	80 70 60	50 40 30 20	10 0 -1
	huuu	աստեսածուտեսանա	ահաստահաստահաս	ահաստիստակաստիստո	աստեստ	huunduumluunduumluundu	ասհաւմասհա	վասփասփասկաս	
8									^
8									
2									
8									
40									
<u>8</u> -									
5									
5									
8-									
8-									
8									
8-									_
8-			Мітакі		Мітак	r	Mimaki		
8				Name HJ.		Katte 10.	1	Name 10.	
₽-				MIMAKI ENGINEERIING CO., LTO.		MIMAKI ENGINEERING CO., LTD		MIMAKI ENGINEERING O	0.170
0 0 10 20 30 40 50 60 70 80 90100110120130140150160170180190200 առակատահատահատահատհատհատհատհատհատհատհատհատհա	<		2	-					>
	G	१९ 0	🕭 Mi	nimize 🗸		•	1/1	•	<u>CO</u>

**4** Select the execution icon <sup>22</sup>, then click [Start].

• If there is text, test print only one line to check for setting errors and garbled characters.

Depending on the combination of font and text, the following error message appears and the data cannot be printed. If the following error message is displayed, set the font to [MS Gothic] or [Yu Gothic].

• "The selected font cannot be used. Please select font again."

MimakiRasterLink7					– 🗆 X
File Function Tool Environments About					Mimaki
Printer	Job List				Execution 6
Status Remote Idle	I Arranged Layered	Thumbnail	Job Name Attribute	Date	
1 Oyan 238 2 Magenta 748 3 Yalow 718 4 Block 278 V			ID-Card_Templat Color	1/5/2021 3:2	Execution Order Print Print © Immediate Print © RIP and Print © RIP only
Thumbn. Job Na. Status Progress	¢			3	Print Only Execution Times     1

# **Chapter 2 Numbering Function**



This chapter

This chapter describes the procedure for variable printing using the numbering function.

What is the Numbering Function?	20
Workflow	21

22
screen23
as25

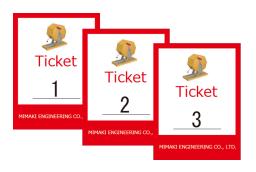
# 2.1 What is the Numbering Function?

The numbering function is a function that allows numerical values to be incremented or decremented before insertion.

This chapter describes the procedure from creating a template (common template) to creating data for variable printing and producing prints.

The following software programs are used:

- 1. Adobe Illustrator
- 2. RasterLink7
- Sample lottery tickets



Cases for which the numbering function is effective

- Mass printing data for which only numbered data is inserted. Example: Event lottery ticket numbers
- Inserting simple rule-based numbering.
   Example: Serial numbers for limited-run products

# 2.2 Workflow

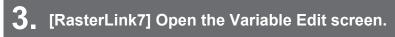


(Regional content of the second secon



[RasterLink7] Load the template.

(P. 22) 2. Load the template."(P. 22)



(P. 23) 3. Open the Variable Edit screen."(P. 23)



(P. 23) "4. Set up numbering."(P. 23)



" "5. Set up the variable areas." (P. 25)

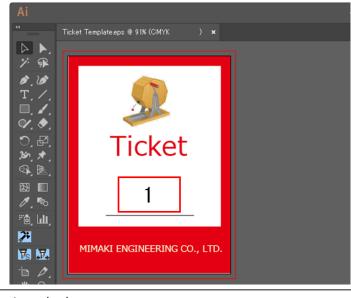


(28 "6. Print."(P. 27)

# 2.3 Procedure

## 1. Create a template.





Area to insert numbering

#### **2** Save the template.

1

1

• Templates can be saved in any of the following three formats: PDF, EPS, PS

# 2. Load the template.

Load the template created in IP "1. Create a template."(P. 22) to RasterLink.

#### Select [File] - [Open] menu.

🦻 M	MimakiRasterLink7							
File	Function To	ol Environments About						
	Open Ctrl+	0						
	Restore Ctrl+ Exit Ctrl+(							
1	Cyan	29%						
2	Magenta	74%						
3	Yellow	71%						
4	Black	27%						

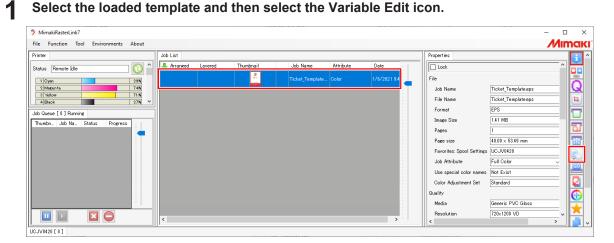
2 Select a template from the [Select file name to print] dialog and then click [OK].



**3** Check that the entered template appears in the job list.

MimakiRasterLink7										- 🗆 ×
File Function Tool Environments About										Mimak
Printer	Job List							Properties		
Status Remote Idle	4. Arranged	Layered	Thumbnail	Job Name	Attribute	Date -	1	Lock		
1 Dyan 23%			<b>\$</b>	Ticket_Template		1/6/2021 9:4		File		
2 Magenta 74K							T	Job Name	Ticket_Template.eps	
3 Yellow 71K								File Name	Ticket Template.eps	

## 3. Open the Variable Edit screen.



2

#### Select the Variable Edit check box.

- Checking Variable Edit allows you to set up variable print and produce prints.
- If you wish to print the template only, uncheck the checkbox.

MimakiRasterLink7	- 🗆 X
File Function Tool Environments About	Мітакі
	7//IIIICIKI
Verlable Edit Verlable Edit Add Numbering None	

## 4. Set up numbering.

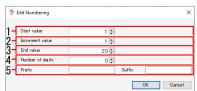
Add the numbering data.

#### Click the [Add Numbering] button.

MimakiRasterLink7	- 🗆 X
File Function Tool Environments About	Μιπακι
Variable Edit	
Variable Edit Add Numbering Add Numbering	
Name	

## **2** Fill in the numbering setting fields.

- Only positive integers can be generated.
- The maximum number of digits that can be generated is 9.

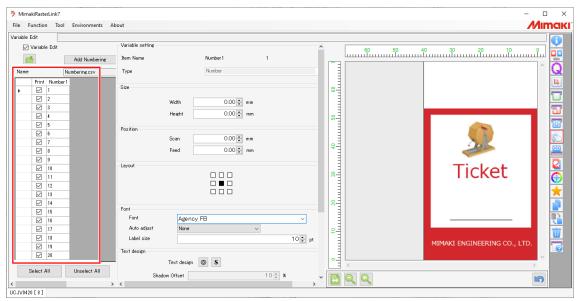


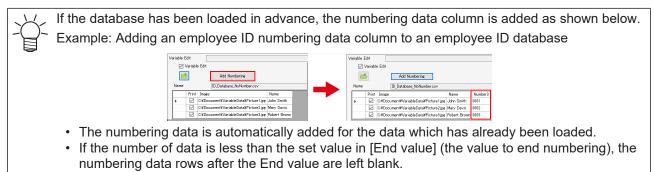
		· · · · · · · · · · · · · · · · · · ·
1	Start value	Specifies the value from which numbering starts.
2	Increment value	Specifies the amount by which the value is incremented or decremented.
3	End value	Specifies the value at which numbering ends.
4	Number of digits	Specifies the number of digits to be zero-filled.
5	Prefix/Suffix	Specifies the characters to be added before or after the numbers. For example, No. 001

**3** Click [OK] in the [Edit Numbering] dialog.

Edit Numbering				×
Start value	1 🌩			
Increment value	1 🖨			
End value	20 🛊			
Number of digits	0 🛊			
Prefix		Suffix		
			OK	Cancel

• The numbering data column is generated.





# 5. Set up the variable areas.

1

2

#### MimakiRasterLink7 File Function Tool Environments About Mimaki Variable Edit ٨ Variable setting 🗹 Variable Edit Q **\*** Add Numbering Item Name Number 1 10 20 30 40 50 60 7 Number Туре Numbering.csv Name Prit Number1 I 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 5 4 7 5 6 6 7 7 8 9 8 9 10 10 12 11 12 12 14 13 14 14 12 15 14 16 14 17 18 18 14 19 16 10 12 10 12 10 12 10 12 10 12 11 12 12 12 Size 0.00 🛊 mm Width Height 0.00 🗘 mm Position 0.00 🗘 mm Scan 0.00 🗘 mm Feed Layout Ticket Font Font Agency FB None Auto adjust Label size 10 🗘 pt 0 Text design Text design 🔘 🖇 Select All Unselect All Shadow Offset 10 🔹 🛪 🗄 Q Q 5 > < UCJV0420[8]

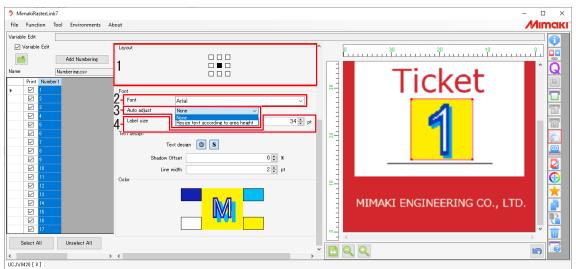
Specify the size and position of the variable area.

• For details, refer to CP "Specify the size and position"(P. 13).

Select the column name. (The entire column is selected.)

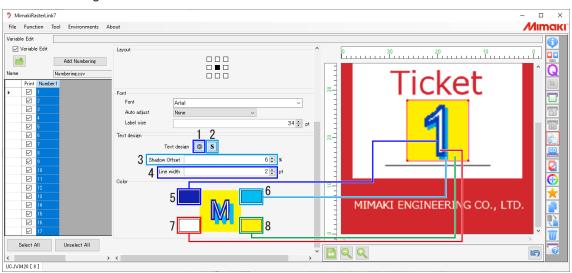
## **3** Set the layout and color.

Layout and font setting



1	Layout	Selects the layout of the variable area.
2	Font	Selects the font.
3	Auto adjust	<ul> <li>[None]: Sets using the specified [Label size].</li> <li>[Resize text according to area height]: Automatically adjusts the text height to match the [Size] height.</li> </ul>
4	Label size	<ul><li>Specifies the text size.</li><li>This applies when [None] is set for [Auto adjust].</li></ul>

Color setting



Text design	Applies text decoration (bo	Applies text decoration (bordering and shadowing).				
1	[Text outline] icon	Adds outlines to the text.				
2	[Shadow] icon	Adds shadows to the text.				
3	Shadow Offset	<ul> <li>Specifies the shadow offset value.</li> <li>This is available when the [Shadow] icon s is enabled.</li> </ul>				
4	Line width	Specifies the text outline width.				
		<ul> <li>This is available when the [Text outline] icon <a>[</a></li> <li>is enabled.</li> </ul>				
Color	Specifies the text color, margin color (the background color will be used if the margin color is not specified), and color used for text design.					
5	Text outline color	Clicking this opens the color setting dialog. Set the text outline color.				
		<ul> <li>This is available when the [Text outline] icon           is enabled.</li> </ul>				
6	Shadow color	Clicking this opens the color setting dialog. Set the shadow color.				
		• This is available when the [Shadow] icon <b>S</b> is enabled.				
7	Text color	Clicking this opens the color setting dialog. Set the text color.				
8	Text background color	Clicking this opens the color setting dialog. Set the text background color.				

# 6. Print.

**1** Select the [General Print] icon T and check the print layout.

General Print Ticket Ter	mplatelens	
File Function Tool General Print Tocket, Ter- Job List	Environment About Inset Edit Inset Edit Scal Feed 100.00 % 40.00 % mm Feed 100.00 % 53.49 % mm Keep Ratio Rotation Feed Scal OO0 % mm Feed OO0 % mm Feed OO0 % mm Copy 1 © copy(s)	Poul Scan       4000 mm Feed       50.49 mm       Output Scan       4000 mm Feed       50.49 mm         Image: Scan       0.230 220 210 200 190 150 170 150 150 140 130 120 110 100 90 00 row key unit       1       mm       Image: Scan         Image: Scan       0.230 220 210 200 190 150 170 150 150 140 130 120 110 100 90 00 row key unit       1       mm       Image: Scan         Image: Scan       Image: Scan       Image: Scan       Image: Scan       Image: Scan       Image: Scan         Image: ScanImage: Scan       Image: Scan
	Block move     Each move     Each move     Layout     Space     Scan     OOO() mm     Feed     OOO() mm     Feed     State     State	

2 If you wish to insert space between data, enter the space values in [Layout].

- Scan: Left and right margins
- Feed: Top and bottom margins

MimakiRasterLink7	- 🗆 X
File Function Tool Environments About	Мітскі
General Print Ticket_Template.eps	
Job List Image Edit	Input Scan 40.00 mm Feed 53.49 mm OutpurScan 40.00 mm Feed 53.49 mm
Inumbrail Scan 100.00 % 40.00 mm	Input Scan 40.00 mm Feed 53.49 mm Output Scan 40.00 mm Feed 53.49 mm
Feed 100.00 € % 53.49 € mm	
Vicep Ratio	la l
Rotation	Ticket
OFF 90 180 270 Reverse	
Position	
Scan 0.00 🗭 mm	
Feed 0.00 🜩 mm	
Arrange in the Center	Ticket
Сору	
- 1 🖕 copy(s)	
Block move     Each move	
Layout Scan 0.00 🗮 mm	Ticket
	Ticket
O Pitch Scan 53.49 ♀ mm Feed 53.49 ♀ mm	
Register Mark	🔁 🔍 🔍 💫 Sequential 🤍 💽 📢 🚺 1 / 1 🕞 🕨 🗍
Mark Shape OFF	
UCJV0420[8]	

3

## Vertical/horizontal arrangement

• By default, print images are arranged vertically.

	5 <mark>0 2</mark>	40 230 220	210 200 1	90 180 170 <sup>-</sup>	160 150 140	130 120 1 	10 100 90	0 80 70	60 50 40	) 30 20 10 mandaaadaa	<mark>0</mark>
0 10 20 30 40 50 60 70 80 90 100110120130140150160 uunuhuunduunduunduunuhuunkuunkuunduunduunduunduunduundu										Cicket Perver Househerer Co. Cicket	.70.
0 10 20 30 40 5	<									SS Ticket	™. ♥
	Q		0 2	Sequential	~		•	•	1/1	+ +	GO

• Click [Rearrangement], then select "Minimize" to rearrange images horizontally.

	0 240 230 220 210 20	00 190 180 170 16	50 150 140 130 12	20 110 100 90 8 	0 70 60 50 4	0 30 20 10	
30 140 150 Junuhumhun	<b>》</b> Ticket	<b>》</b> Ticket	<b>》</b> Ticket	Ticket	Ticket	) Ticket	
110 120 1	MEMARI ENGINEERING CO., LTD.	MINANI INGINIERING CO., LTD.	MINANI ENGINEERING CO., LTD.	MINAN INGINIERING CO., LTD.	MENANG ENGINEERING CO., LTD.	HENNE ENGINEERING CO., LTD.	
0 10 20 30 40 50 60 70 80 90 10011012013014015016 um handaradaradaradaradaradaradaradaradarada	<b>S</b> Ticket	<b>》</b> Ticket	<b>》</b> Ticket	<b>》</b> Ticket	<b>》</b> Ticket	Ticket	
60	MINARI ENGINEERING CO., LTD.	MINAL ENGINEERING CO., LTD.	MINANI ENGINEERING CO., LTD.	MENANI ENGINEERING CO., LTD.	MEMORY ENGINEERING CO., LTD.	HENNYS ENGINEERING CO., LTD.	
30 40 50	<b>》</b> Ticket	) Ticket	) Ticket	) Ticket	) Ticket	) Ticket	
10	MINARI ENGINEERING CO., LTD.	MINARI INGINIERING CO., LTD.	MINARI INGINIERING CO., LTD.	MINWE ENGINEERING CO., LTD.	MENNEL ENGINEERING CO., LTD.	HENNE ENSINEERING CO., LTD.	v
	<	2 1				>	_
<b></b>	ର୍ ର୍ 📀	Minimize	~	•	1/1	<b>•</b>	G



• If there is text, test print only one line to check for setting errors and garbled characters.

(moutant) Depending on the combination of font and text, the following error message appears and the data cannot be printed. If the following error message is displayed, set the font to [MS Gothic] or [Yu Gothic].

• "The selected font cannot be used. Please select font again."

MimakiRasterLink7							_	0 X
File Function Tool Environments About								Mimak
File Function Tool Environments About Printer Status Remote Isle	Job List Arranged C	Layered	Tsumbnail	Job Name Ticket_Template	Attržute Color	Date ^	Execution  Execution Coder Print  Print Print  Print P	

# **Chapter 3 Troubleshooting**



#### This chapter

Explains how to resolve problems that may arise and describes operation procedures that may be unclear.

Dealing with Error Messages	Printing Combined Variable Printing and
Replacing the Database	Composite Printing

# 3.1 Dealing with Error Messages

Error message	Cause	Corrective action
Cannot open the specified file. The file is being used by another application. Close the application first and then reopen the file.	<ul> <li>The selected file is already opened in another application.</li> </ul>	<ul> <li>Close the file in that application.</li> </ul>
Cannot find image file path in this column.	<ul> <li>No image data exists at the file path destination selected when the type was changed from text to image.</li> </ul>	<ul> <li>Place image data at the selected file path destination.</li> </ul>

0 X

Mimaki

սսանա 💶

Ð

# 3.2 Replacing the Database

The database (CSV) can be replaced.



			•			^	
Name ID_Database.csv	Туре	Picture					<b>L</b>
Print Image Name							13.
C:¥Document¥VariableData¥Picuture1.jpg John Smith	0 Size		" = I				
C#Document#VariableData#Picuture2.jpg Mary Davis	0 Width	23.00 ÷ mm					U
C-VDocumentVVariableDataVPicuture3.jpg Robert Brown	0		8-	Mimaki			77
	Height	23.00 🖨 mm	1 3				
	Position				Name John Smith		ŦŦ
	Scan	55.00 🐳 mm	1 ° 1		Name John Smith		6
					ID. 0001		
	Feed	5.00 🜩 mm					
	L						<b>1</b>
	Layout						
					MIMAKI ENGINEERING CO., LTD.		
			0 10 20 30 40 50 6	1		× .	<b>S</b>
Select All Unselect All	Fit			`	2		
		`	*	QQ		ລ	<b>1</b>
	> <	>		× ×			· _ ~
UCJV0420 [ 7 ]							



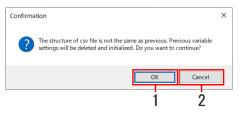
#### Load the replacement database to be used. (27 "6. Load the database."(P. 11)

• The following confirmation dialog appears if the database column names in the first row (header), number of columns, and column order are the same.

Confirmation			
?	Same structure of csv file has been read. Do you want variable settings?	to use previous	
	Yes No	Cancel	
	1 2	3	

1	Yes	The database is replaced retaining the variable insertion settings.
2	No	The database is replaced, deleting the previous variable insertion settings.
3	Cancel	Database replacement is canceled.

• The following confirmation dialog appears if the first row (header) of the database differs.



1	ОК	The database is replaced, resetting the variable insertion settings.
2	Cancel	Database replacement is canceled.

(montant!) • Replacing a database deletes the numbering settings. (27 "Numbering Function"(P. 19)

# 3.3 Printing Combined Variable Printing and Composite Printing

Composite jobs can be created and printed consisting of the combinations shown in the following table.

An error will occur at the time of RIP processing if you attempt to create a composite job consisting of combinations not included in the table.

	1	2
2nd layer	Special plate job	Variable job
1st layer	Variable job	Special plate job

• Procedure for composite jobs including variable printing

- Load the template image for variable printing. (2) "4. Load the template."(P. 10)
- Create a special plate job from the job loaded using the [Special plate] function.
  - For details of how to create plates, refer to the RasterLink Reference Guide.
- **3** Combine the variable job from step 1 with the special plate job from step 2.
  - For details of how to combine jobs, refer to the RasterLink Reference Guide.
- 4 Configure the variable settings for the variable job from step 1. (P. 15) Open the Variable Edit screen."(P. 11)
- 5 Print.

(montant) The following restrictions apply when creating composite jobs that include variable printing:

- The special plate job must always be created from a variable job.
- The mirror setting cannot be used on the [Composition] screen for composite jobs that include variable printing.
- Color replacement is not available for a composite job that includes a variable job.
- The color matching settings must be matched for the variable job and special plate job. A RIP error will occur if the color matching settings differ for the variable job and special plate job.
- The following jobs are not supported to edit a variable print.
- A composite job included color replacement settings
- Procedure for decomposing composite jobs that include variable printing
  - Uncheck the [Variable Edit] checkbox on the Variable Edit screen for the variable job.
  - 2 Click [Release] on the [Composition] screen.

# RasterLink7 Variable Print Guide

October, 2022

MIMAKI ENGINEERING CO.,LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

D203524-14-03102022

