Мітакі

ID Cut Guide (Using FineCut)

Thank you very much for purchasing MIMAKI's cutting plotter. This "ID Cut Guide" includes the ID cut method using cutting plotter and FineCut (cutting software), as well as items that must be checked/set beforehand.

The cutting plotters that can use ID cut are as follows.

• CG-FXII Plus series, CF22-1225, CFL-605RT, CG-AR series, CFX series

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Notations used in this document

• Items and buttons displayed in menus and on screens are marked with square brackets ([]) as in [File].

Screen image used in this document

- The explanation is based on the screen image of RasterLink6Plus as an example.
- RasterLink6Plus and RasterLink7 are referred to as RasterLink in together.

Symbols



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What is ID cut?		3
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ID Cut Procedure	4
Preparation	5
1. Set up CuttingLink - Server PC	6
2. Set up RasterLink PC	
3. Prepare ID cut with cutting plotter	10
Printing, and ID Cutting	12
4. Edit and send data	
5. Set the media (work, sheet) to the printer	17
6. Output the print data	
7. Use cutting plotter to cut	19

How to handle the following cases	21
Troubleshooting	
Changed CuttingLink - Server	23
Back up the data of CuttingLink - Server	
Migrate CuttingLink - Server	23
1. Reset initial setting on CuttingLink - Server PC before migration	
2. Configure Server on CuttingLink - Server PC to be migrated	
3. Register CuttingLink - Server PC on RasterLink	
When to use CuttingLink - Client?	
How to set CuttingLink - Client	25
Cut the back side (Only when using CF22-1225)	
Copy the data with RasterLink and ID cut	
Cut an ID data by arranging it with RasterLink	
ID cut multiple types of data (CF22-1225)	31
ID cut multiple types of data (CG-FXII Plus, CG-AR)	33
ID cut multiple types of data (CFX series)	35
Printing position shifts when combining with clear / primer data	37
Printing data is not correctly sent to RasterLink when ID cut outputting in PDF format	40

What is ID cut?

ID cut is a function that allows you to print out the data with an ID, and automatically cut the paper when cutting plotter detects the ID. After printing the data, you do not need to output a cut data. (You usually have to print out the printing data and cut data separately.)

This manual explains the basic of ID Cut using FineCut.As an example, we will explain the case where CuttingLink, Adobe Illustrator/CoreIDRAW, FineCut is installed on "CuttingLink - Server PC" and RasterLink is installed on "RasterLink PC". (You can also perform ID Cut from RasterLink without using FineCut.)

For detailed settings and procedure, refer to the cutting plotter Operation Manual, and the printer's Operation Manual, FineCut Reference Guide, and RasterLink Installation Guide .

• ID Cut Operation Flow



• Printer that can print data with ID

CJV300 Plus Series, CJV330 Series, JFX200-2513, JFX200-2513 EX, JFX200-2531, JFX500-2131, JFX600-2513, JV100-160, JV150 Series, JV300 Series, JV300 Plus Series, JV330 Series, JV33, JV33-260, JV33-260BS, JV33-BS, JV34-260, JV400-LX Series, JV400-SUV Series, JV5 Series, SIJ-320UV, SWJ-320EA, SWJ-320S, UCJV150 Series, UCJV300 Series, UJF-3042FX, UJF-3042HG, UJF-3042MkII, UJF-3042MkII EX, UJF-3042MkII e, UJF-3042MkII EX e, UJF-6042, UJF-6042MkII, UJF-6042MKII EX, UJF-6042MkII e, UJF-7151plus, UJF-7151plusII, UJV100-160, UJV500-160, UJV55-320, UCJV330 Series, CJV200 Series

• System configuration



ID Cut Procedure



Preparation

Before performing printing or ID cutting, you need to prepare the printer, cutting plotter, and software. Proceed to the following steps if they are already prepared.

Software / Driver List

The following software applications are required for ID cut. All software applications are provided by MIMAKI ENGINEERING CO., LTD.

Software ^{*1} / Driver	Description			
FineCut8 Ver.8.7 or later (CF22-1225) Ver.8.7.5 or later (CFL-605RT) FineCut9 Ver.9.1 or later (CG-FXII Plus series) FineCut/Coat9 Ver.9.2.3 or later (CG-AR series) Ver.9.3.0 or later (CFX series)	Cutting software. • FineCut8: CD-ROM (supplied with the cutting plotter) • FineCut/Coat9: Packing box for SW package (supplied with the cutting plotter) Download the installer from the Mimaki website(<u>https:// mimaki.com/download/software.html</u>) (If you have a FineCut product CD-ROM, you can upgrade to FineCut/Coat9 for free.) For how to install, refer to Chapter1 "Installation of FineCut(/ Coat)" of FineCut(/Coat) Users Guide.			
RasterLink RasterLink6Plus Ver.1.2 or later RasterLink7 Ver.1.1 or later	Software to receive image data, edit data with various functions, and send plot data to the printer. • RasterLink6Plus: CD-ROM(supplied with the printer) • RasterLink7: Packing box for SW package (supplied with the printer) Download the installer from the Mimaki website(<u>https://mimaki.com/download/software.html</u>) Refer to the attached RasterLink Installation Guide for the instal- lation method.			
CuttingLink Ver.1.1.8 or later	Software to manage ID cut. Download the installer from the Mimaki website (<u>https://</u> mimaki.com/product/software/rip/raster-link6plus/download.html or <u>https://mimaki.com/product/software/rip/raster-link7/download.html</u>) Refer to the attached "CuttingLink installation" of RasterLink Installation Guide for the installation method.			

Software ^{*1} / Driver	Description
Mimaki Driver	 Device driver for using an ink jet printer/cutting plotter from Mimaki Engineering. When using RaterLink6Plus: CD-ROM(supplied with the printer) When using RaterLink7: Install the Mimaki driver for your printer.The Mimaki driver for your printer can be downloaded from our official website (https://mimaki.com).

*1.When using a version earlier than the specified version, download the upgraded version of the installer from the Mimaki website.(<u>https://mimaki.com/download/software.html</u>)

In this example, prepare two PCs (CuttingLink - Server PC, RasterLink PC) as follows and install software/drivers.

Software/Driver	PC to set up		
Software/Driver	CuttingLink - Server PC	RasterLink PC	
FineCut/Coat	Install	-	
RasterLink	-	Install	
CuttingLink	Install	-	
Mimaki Driver	Install	Install	

1. Set up CuttingLink - Server PC

- Connect CuttingLink Server PC and cutting plotter with USB or Ethernet.
 CG-FXII Plus cannot be connected with Ethernet.
- 2. Install the software/driver.
 - (1) Install FineCut.
 - (2) Install Mimaki Driver.
 - (3) Install CuttingLink.
- 3. Register cutting plotter with CuttingLink.
 - (1) Start CuttingLink from the start menu, or double-click the CuttingLink icon created on the desktop to start CuttingLink.
 - CuttingLink displays[Initial Setting] screen.
 - (2) On the [Initial Setting] screen, select [CuttingLink Server], and then click [OK].
 - [Data Management] is displayed.

- (3) From the [Tool] menu, select [Cutting Device Manager].
- (4) Select cutting plotter in [Available Devices].



Initial Setting
Operation Mode
OuttingLink - Server
O CuttingLink - Client
☑ Don't show this again. OK

🕹 CuttingLink - Server					
View(V) Too	l(T) Help(H)				
Data Ma Cutting Device Manager(D) Ctrl+D					
	Number of cutdata list(N)	+			
	Initial Settings Reset(R)	Ctrl+I			
ID Statu	s Received Time Sent Time	e Job Name			
5 Cutting Device	Manager	– 🗆 X			
No Nama M	adal Output Part Davice Name IP	Addrace			
No. Nome	back backack bit better hand h	, darees			
Delete					
Available Device	8				
CE22 Ethe	ret CE22.0000000 10.10	100.10			
OFZZ LUIE	THEC CF22 00000000 10.10.	100.10			
Manually set IP a	ddress				
		Update			
Name:					
		Close			

(5) Enter [Name], and then click [Add].

• Cutting plotter is added to

	Cutting Device Manager	- U X
o the list.	No. Name Model Output Port Device Name IP Add	ress
	Delete	
	Available Devices	
	Model Output Port Device Name IP Addre CF22 Ethernet CF22 00000000 10.10.100.	ss 10
	Manually set IP address	Update
	Name:	
	CF22	
	Add	Close
	😕 Cutting Device Manager	– 🗆 X
	No. Name Model Output Port Device Name IP A	ddress
	1 CF22 CF22 Ethernet CF22 00000000 10.10	.100.10
	Delete	
	Available Devices	55
	CF22 Ethernet CF22 00000000 10.10.100.	10
	Manually set IP address	Update
	Name:	
	Add	Close
s started automatically when PC st	tarts.	



(6) Click [Close].

• CuttingLink is

2. Set up RasterLink PC

- 1. Install the software/driver.
 - (1) Install RasterLink.
 - (2) Install Mimaki Driver.
- 2. Connect the printer to be used with RasterLink PC with USB or Ethernet.
- 3. Register the printer with RasterLink.
 - See RasterLink Installation Guide "Printer registration procedure" for detail.
- 4. Register CuttingLink with RasterLink.
 - Make sure that CuttingLink is running on CuttingLink Server PC.
 - (1) Start RasterLink.
 - (2) Select [Option...] from the [Environments] menu in RasterLink.
 - File Function Tool Environments

 File Function Tool Environments

 Option...

 Printer M Customize this application.
 Update notiny settings...
 Setup work folder...
 Version Information...

 Setup Disk Device Printer Management Communication
 - (3) Click the [Communication] tab on the [Option] screen.
 - (4) [Setting of ID Cut: Click [Setup] in [Connection destination].
 - The [Connection destination setting] screen is displayed.
- Connection destination

OK Cancel



- (5) On the [Connection destination setting] screen, select the computer CuttingLink is installed, and then click [OK].
 - If the PC is not displayed, click [Update].
 - The [Connection destination setting] screen is closed.
 - On the [Option] screen, "PC name (IP address)" is displayed in [Connection destination].

- (6) Click [OK] on the [Option] screen.
 - Connects with CuttingLink.



3. Prepare ID cut with cutting plotter

Make the necessary setting for ID cut on the control panel of cutting plotter. For details, refer to the Operation Manual of cutting plotter.

- When using CFL-605RT or CF22-1225.
 - 1. Set the mode after turning on the power to Remote.
 - After detecting the register marks, make settings to start ID cutting right away.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Press $[\land][\lor]$ key to select [SET UP], and press the [ENTER] key.
 - (3) Press $[\land][\lor]$ key to select [START MODE], and press the [ENTER] key.
 - (4) Select [REMOTE], and press the [ENTER] key.
 - (5) Press the [END] key.
- 2. Set register mark detection to "1 pt".
 - Continue to step 1.
 - (1) Press $[\land][\lor]$ key to select [MARK DETECT], and press the [ENTER] key.
 - (2) Press $[\land][\lor]$ key to select [DETECT], and press the [ENTER] key.
 - (3) Select [1 pt], and press the [ENTER] key.
 - (4) Press the [END] key.
- 3. Allow ID data to be read.
 - Continue to step 2.
 - (1) Press $[\land][\lor]$ key to select [Data ID code], and press the [ENTER] key.
 - (2) Select [On], and press the [ENTER] key.
 - (3) Press [END] key to finish.
- When using CG-FXII Plus, CG-AR series.
 - 1. Set [DEVICE No.].(CG-FXII Plus only)
 - If there are multiple machines, set a unique number in [DEVICE No.].ID cut cannot be performed if the same number is set for [DEVICE No.] on multiple machines.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Press $[\land][\lor]$ key to select [SET UP], and press the [ENTER] key.
 - (3) Press $[\land][\lor]$ key to select [DEVICE No.], and press the [ENTER] key.
 - (4) Set a value between 00 and 99 in [DEVICE No.] and press the [ENTER] key.
 - 2. Set the mode after turning on the power to Remote.
 - Continue to step 1.
 - After detecting the register marks, make settings to start ID cutting right away.
 - (1) Press $[\land][\lor]$ key to select [START MODE], and press the [ENTER] key.
 - (2) Select [REM], and press the [ENTER] key.
 - 3. Set register mark detection to "1 pt".
 - Continue to step 2.
 - (1) Press $[\land][\lor]$ key to select [MARK DETECT], and press the [ENTER] key.
 - (2) Select [1 pt], and press the [ENTER] key.
 - 4. Allow ID data to be read.
 - Continue to step 3.
 - (1) Press the [ENTER] key until [DATA ID CODE] is displayed.
 - (2) Select [ON] in [DATA ID CODE] and press the [ENTER] key.
 - (3) Press [END] key to finish.

- When using CFX series.
 - 1. Set the mode after mark detection to Remote.
 - (1) Press the [MENU] key in LOCAL mode.
 - (2) Press [∧][∨] to select [Machine Setup] > [TP Detect Setup] > [After Detect Mode], then press the [ENTER] key.
 - (3) Select [Remote], and press the [ENTER] key.
 - (4) press the [END/POWER] key several times to return to the local mode screen.
 - 2. Allow ID data to be read.
 - Continue to step 1.
 - (1) Press the [MENU] key in LOCAL mode.
 - (2) Press [∧][∨] to select [Machine Setup] > [TP Detect Setup] > [Data ID Code], then press the [ENTER] key.
 - (3) Select [ON] and press the [ENTER] key.
 - (4) press the [END/POWER] key several times to return to the local mode screen.

When using [continuous mode/toggle mode]
Refer to the CFX instruction manual "Continuous Cut Function" and set [ID Linkage].

Printing, and ID Cutting

The following shows you how to use and print out the sample data from the attached manual CD. This manual is for FineCut using Illustrator images as examples.

If there is no sample data, create sample data including illustrations and cut lines.



- 1. Load or create data with images and cut lines.
- When a manual CD is attached and sample data is included

Load the sample data by the following procedure.

- (1) Set the manual CD that came with cutting plotter to your computer.
- (2) Click the following folder.
 For Windows: "CD drive:\EN\English\ID Cut_Sample data"
 For Macintosh: "CD drive:\Mac_English\ID Cut_sample data"
 - The "ID Cut_Sample data" folder is displayed.
- (3) Double-click "sample_mimaki.ai" or "sample_mimaki.cdr" .
 - Adobe Illustrator/CorelDRAW starts up and the sample data is loaded.
 - If the data is not read, click [Open...] in the [File] menu in Adobe Illustrator/CorelDRAW, and then select sample data and read again.
- When a manual CD is not attached and sample data is not included

Load the sample data by the following procedure.

- (1) Create images and cut lines in Adobe Illustrator/CoreIDRAW.
- (2) Place the images data in the printing layer (print attribute: ON) and the cut lines data in the cutting layer (print attribute: OFF) in Adobe Illustrator/CoreIDRAW.
 - Į.

 To ensure smooth output, create a printing layer and a cutting layer in advance, turn on the printing attributes of the printing layer and turn off the printing attributes of the cutting layer.

• [Example for Illustrator] The layer print attributes can be turned on or off by checking the [Print] check box in the [Layer Options].

tayers ★	Layer Options
	Name: Print
	Color: Cyan
	Layer Options
	Color: Medium V
	Show Print Preview Dim Images to: 50%
	OK Cancel

2. Create a register mark.



- (1) Hide layers other than the cut layer.
- (2) Click the [Specify Cutting Start Position] icon.
 - · Cutting start position change mode is set.



- (3) Click the place you want to designate at the cutting start position.
 - The cutting start position is changed.



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- 4. Change the cutting direction. (Arbitrary)
 - (1) Hide layers other than the cut layer.
 - (2) Click the [Specify Cutting Start Position]icon.
 - The cutting direction designation mode is set.

- (3) Click on the cutting line.
 - The cutting direction is changed.



- 5. Display all layers.
- 6. Click the [Plot] icon from the FineCut menu.
 - The plot screen is displayed.



7. Set the cutting method of the register mark.

• Do not use Finecut to recognize a register mark if you want to copy data, setting print (Important!) conditions, or composition in RasterLink. In this case, skip to step 8 below. (No need to perform step 7)

- When create a register mark with FineCut.
- (1) Set [Copy Margin] on the upper right of the [Plot] screen.
- (2) Double-click [Detect Mark] on the [Register Mark] tab.
 - The register marks are recognized.
- (3) If you create a register mark in Finecut, set cutting way of a register mark.

In this example, please set as follows.

- Multi Mode /Single Mode: Multi Mode
- Repeat: ↔ 5 times, ‡ 2 times
- Search Position: 4 places
- 8. Uncheck the Printing Layer on the [Layer] tab.
 - · Please note that if you have the print layer checked, it will cut the data in the print layer.

Copy Margin	↔	10 mm 🜩	\$ 10 mm ≑
L] Frame	↔	10 mm 📮	\$ 10 mm 💂
Layout Tiling Register	Mark		
Detect Mark			
Detect Mark			
and Tiller Desisters	Anala		

. .

-

End

2000 mm 🚔

0 mm

112.23 mm

Die

\$

\$





C et Loading Sheet Size ↔ 1300 mm 🚔 Offset ↔

Size



170.88 mm

Plot Out			×
Plot Condition Plotter Condition			Plot
Select Condition	1-Panel Setup	 ✓ Edit 	Cancel
Custom	Tool	1 ~ ~ . cm/s	Preview
	Press	100 ÷ g	Save As File
ID Cut	⊘ Onset	000 💌 mm	
Select Hot Folder	eps	O PDF	ID Cut
C:¥MijSuite¥Hot¥JFX2	00	~	
Options			
Sort 🖉	🗌 Use	the Outside	
 All 			
Each Color			
Head Withdrawal After	Plot		
Set			
Optimize Cutting Start	Position		
Optimize Cutting Direct	tion		

(2) Click [Select Hot Folder...].

(1) Click the [Plot...]button.

• The [Plot Out] screen is displayed.

9. Send ID data.

- · Select a hot folder created with RasterLink that has a name of the printer you want to use.
- If there is no hot folder, create one on RasterLink.

• The folder created from the [Create a new (Important!) folder] button on the folder reference screen does not work as hot folder. Create a hot folder from RasterLink.

(3) Select [EPS] or [PDF] and click [ID Cut].

- The data is sent to the hot folder of RasterLink.
- If you select [EPS], set each item on the option screen and click [OK].
- If you select [PDF], click [OK] without changing the settings on the option screen.

- 1. Set the media (work, sheet) to the printer.
 - When using CFL-605RT or CF22-1225 or CFX series.
 - The following shows the available allocation range for the register marks and images. Make sure that all four register marks are printed more than 10 mm away from the media edges. In cutting plotter, if the space between register marks and media edges is less than 10 mm, the cut panel and media's border line may be mistaken for register mark, and the printer may start processing register mark detection.



Example) Mark shape: [Square]

■ When using CG-FXII Plus, CG-AR series.

- Make sure that the pinch roller does not get on the register mark.
- Set the media margins to the following values.

If the register mark shape is [Type 2], add "Regiser mark length / 2" to the following values for the rear end.



- 2. Press the [REMOTE] key in local.
 - The printer is in the remote state.

- 1. Start RasterLink.
 - The data send in FineCut is imported automatically.
- 2. Select the file imported to [Job List] on the printer name tab.
 - In the [Job List], select the file to be ID cut.



- 3. From a list of function icon on the right screen, select (Execute)
- 4. Select [RIP & Print] or [Immediate Print].

🖀 RasterLink6Plus Ver 1.1					- 🗆 ×
File Function Tool Environments					
Working Disk (C:MijSuiteUobs/RL01:)	13%	257.94 GB Available Physi	c. Mem. (7.9 GB)	47%	4.1 GB Available ? MIMCIKI
Printer	Job List Favorite		Execution		
Status		Search Cl	ear OCases 🛄 📗		P
100m 100 N 2 Maante 100 N	Arranged Layered	- MPC PR 01	Cut		
		MPC_PR_01	Color		
Thumbhail Job Name Status Progress					
				Execution Order Print	. 🖻
				O Immediate Print	S
				Print Only	•
				Execution Times 1	time(s)
				 Delete ripped data after print Delete John 	
				Start	
Ļ					
	-		77		Ť
JFX200 2					
[16:39:35] - [CJV150] : Started monitoring Hot Folder.					E.
					¥

- 5. Click [Start].
 - Data with ID will be printed.



- 1. Set the media (work, sheet) that is printed to cutting plotter.
 - The direction of setting the media can be 0 degree, 90 degree, 180 degree, or 270 degree. However, if you want to automatically and continuously cut different types of register marks, set the media in the direction of 0 ° or 180 °.
 - The register marks may not be detected if the media is skewed.
- 2. Detect register marks.
- When using CFL-605RT or CF22-1225.
 - (1) Press the [END] key in the local.
 - Register mark detection mode starts.
 - (2) Press the jog key, and move the light pointer to near the center of register mark on the bottom left of media.
 - (3) Press the [ENTER] key.
 - Register mark detection mode starts.



- When using CG-FXII Plus, CG-AR series.
 - (1) Press the [END] key in the local.
 - Register mark detection mode starts.
 - (2) Press the jog key, and move the light pointer to near the center of register mark on the bottom right of media.
 - (3) Press the [ENTER] key.
 - Register mark detection mode starts



- When using CFX series.
 - (1) Press the Jog key in the Local mode screen to execute the dragonfly origin detection.
 - Register mark detection mode starts.
 - (2) Press the jog key, and move the light pointer to near the center of register mark on the bottom right of media.
 - (3) Press the [ENTER] key.
 - Register mark detection mode starts



3. Cutting is performed automatically.

How to handle the following cases

Troubleshooting The [ID Cut] check box is disabled in RasterLink. No Is the data size of the job 70 mm or more? Set the data size to 70 mm or more. Yes Have you selected "Type 1", "Type 2" or Select "Type 1", "Type 2" or "Square" for reg-No "Square" for the register mark shape? ister mark shape. Yes Contact the call center. In the message display field of RasterLink, error message,"Can not get ID cut ID, printing is interrupted" is displayed and printing is not possible. Connect with Ethernet. No Is it connected to the CuttingLink - Server (CPP.9 "Register CuttingLink with Raster-PC via Ethernet? Link.") Yes Is CuttingLink started with CuttingLink -No Start CuttingLink with CuttingLink - Server Server PC? PC Yes Is CuttingLink - Server PC properly registered with RasterLink? Register CuttingLink - Server PC name Confirm the following contents. No On the RasterLink [Environments] menu again. [Option ...] - [Communication] tab, is the (P.9 "Register CuttingLink with Raster-CuttingLink - Server name displayed in Link.") "Setting of ID Cut" - "Connection destination"? Yes Connected to the CuttingLink - Server PC you registered? Check with the following procedure. Register CuttingLink - Server PC name (1) On the RasterLink [Environments] again? menu - [Option ...] - [Communication] • If the address of the CuttingLink - Server No tab, click [Setting] of "Setting of ID PC has been changed, re-registration is Cut" - "Connection destination"? necessary. (2) On the [Connection destination set-(@P.9 "Register CuttingLink with Rasterting.] screen, click the [Update]. Link.") (3) Is the registered CuttingLink - Server PC name displayed? Yes

Contact the call center.



Changed CuttingLink - Server

Register CuttingLink again with RasterLink. (@P.9 "Register CuttingLink with RasterLink.")

Back up the data of CuttingLink - Server

Back up the following folders. C:\MimakiTools\CuttingLink\DT

Migrate CuttingLink - Server

1. Reset initial setting on CuttingLink - Server PC before migration

- 2. Select [Tool] menu -> [Initial Settings Reset] and click the [OK] button.



3. Exit CuttingLink.

2. Configure Server on CuttingLink - Server PC to be migrated

- Install and start CuttingLink.
 After restarting the PC after installation, CuttingLink will be started automatically.
- 2. On the [Initial Setting] screen, select [CuttingLink Server], and then click [OK].

Initial Setting
Operation Mode
OuttingLink - Server
O CuttingLink - Client
☑ Don't show this again.
ОК

- 3. Exit CuttingLink.
- Copy the data backed up on the PC before migration to the folders below.
 C:\MimakiTools\CuttingLink\DT
- 5. Start CuttingLink.
- Register the cutting plotter.
 (P.7 "Register cutting plotter with CuttingLink."(3) to (6))

3. Register CuttingLink - Server PC on RasterLink

P.9 "2. Set up RasterLink PC"

When to use CuttingLink - Client?



Example 1) When the printer and cutting plotter are connected to different PCs

Example 2) When five or more cutting plotter are connected. (When using CFL-605RT or CF22-1225.)



How to set CuttingLink - Client

- 1. Install CuttingLink on the PC to which the printer is connected, and set it to CuttingLink - Server.(@P.7 "Install CuttingLink." or later)
- 2. Install CuttingLink on the PC to which the cutting plotter is connected and set it to CuttingLink - Client.
 - (1) Install CuttingLink on the PC to which the cutting plotter is connected and start it.
 - (2) On the [Initial Setting] screen, select [CuttingLink Client], and then click [OK].

- (3) In the [Connection destination settings] list, select the CuttingLink Server to connect and click [OK].
 - Make sure that CuttingLink Server is running with CuttingLink - Server PC.
 - If the [Connection destination settings] screen does not appear, select the [Connection destination settings] on the [Tool] menu.
 - If the PC is not displayed, click[Update].

Initial Setting
Operation Mode
○ CuttingLink – Server
OuttingLink - Client
☑ Don't show this again. OK

👃 Connection destination settings			
PC Name IP Address			
CL-PC-Server	11.11.111.11		
<	>		
	Update		
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Cut the back side (Only when using CF22-1225)

This function is available when CF22-1225 is used.

For backside cut, refer to the following manual.

- FineCut Reference Guide Chapter3 "Cutting an Object" "Cutting plotter" name "Cutting from the reverse side"
- Operation Manual of cutting plotter Chapter4 "Register Mark Reading Functions" "Link cut and print (ID cut)" "Backside cut"
 - 1. Check [Reverse Cut Mode] on the FineCut plot screen.
 - 2. Select 4 points detection.
 - If you select 2 points detection, you can not use reverse cut function.

Layout Tiling Register Mark	
Exit Detection	Mark Size: 10 mm ☑ Size Adjust
C Repeat	
Reverse Cut Mode	Search Porties

- 3. Output ID cut in FineCut. (@P.17 "Send ID data.")
- 4. Output data with RasterLink. (@P.19 "6. Output the print data")
- 5. Place the media (work) on cutting plotter with the printing side up.
 ID cut is possible in any angle of 0 degree, 90 degree, 180 degree, 270 degree the media to be set.
- 6. When register marks are detected, surface marks are automatically cut.
- 7. Turn over the media.



• Turn over the media upside down when seen from the panel position (from the front to the rear side).

- 8. Embed the mark tip.
- 9. When register mark is detected, back side cut is automatically started.

Copy the data with RasterLink and ID cut

- 1. Create images and cut lines in Adobe Illustrator/CoreIDRAW.
 - Place the images data in the printing layer (print attribute: ON) and the cut lines data in the cutting layer (print attribute: OFF) .(2 P. 14)
 - Data size should be more than 70 mm in length and width.
- 2. ID cut without "creation of register mark / Recognition of register mark" in FineCut.
 - If "creation of register mark / Recognition of register mark" are selected and ID cut in FineCut, it is unable to "Copy data/Setting print conditions/Composition" in RasterLink. Please be careful.
 - When the ID cut outputs with FineCut, the data is automatically sent to RasterLink. (@P. 17)

Out			
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- 3. Start RasterLink.
- 4. Select the data read with RasterLink and click the "General Print" si icon in the function icon list on the right of the screen.

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- 5. Set printing conditions.
 - (1) Set "Scale".(Arbitrary)
 - Scale can not be set for data with ID sent from FineCut.
 - (2) "Rotation" and "Mirror" are set. (Arbitrary)
 - (3) Set "Scan" and "Feed" of "Position".(Arbitrary)
 - It is unnecessary to set when setting a margin of 10 mm or more. If not, enter "10 mm" or more in "Scan" and "Feed".
 - (4) Enter "Copy" number.
 - (5) Set "Space" or "Pitch" of "Layout".
 - When adding register marks, the following values are automatically set for "Space".
 - When the register mark shape is "Type1]" or "Square : Register mark size
 - When the register mark shape is "Type2];): 0mm

6. Add register marks and ID data.

- (1) Select the register mark size.
 - "Type1 ; ", "Type2] or "Square " ("Square " recommended)
- (2) Enter the register mark size.
- (3) Check [ID Cut].
 - Register marks and ID data are added to the data.
 - For ID Cut data sent from FineCut, the [ID Cut] check box is already checked. You can not uncheck it.

- (4) Select [Location] of register mark.
 - Individual: Register marks and ID data are added for each data.
 - Whole: Register marks and ID data are added to enclose all copied data.



- (5) "Offset" is set when "Whole" is selected in step (4).
 - Offset: Data and margin of register mark



- Output data with RasterLink(P.19 "6. Output the print data")
 Data with ID will be printed.
- 8. Set the media (work, sheet) that is printed to cutting plotter. (@P.20 "Set the media (work, sheet) that is printed to cutting plotter.")
- 9. When a register mark is detected, ID cut is automatically started.(@P.20 "Detect register marks.")

Cut an ID data by arranging it with RasterLink

For details on arrangement, refer to "Collect multiple images - Arrangement" in RasterLink Reference Guide. If you want to composition in RasterLink, do not create a register mark and detect a register mark in FineCut, and output ID cut.

- Read print & cut data with RasterLink. (@P.27 "Start RasterLink.")
- 2. Click the "Arrangement" icon **I** in the function icon list on the right of the screen.



3. Select the data to be arranged, set the "Alignment Mode", "Scan / Feed margin", and/ or "Arrange in the Center", and click [Arrange].



- 4. When clicking "General Print" icon icon list on the right side of the screen, it is arranged and previewed.
- 5. Set printing conditions.

In the Job List or Preview screen, select the data to set the conditions and then make the setting. (1) Set "Scale".(Arbitrary)

- Scale can not be set for data with ID sent from FineCut.
- (2) Set "Rotation" and "Mirror". (Arbitrary)
- (3) Set "Scan" and "Feed" of "Position". (Arbitrary)
 - It is unnecessary to set when setting a margin of 10 mm or more. If not, enter "10 mm" or more in "Scan" and "Feed".
- (4) Enter "Copy" number.
- (5) Set "Space" or "Pitch" of "Layout".
 - When adding register marks, the following values are automatically set for "Space".
 When the register mark shape is "Type1 "," or "Square ". Register mark size
 When the register mark shape is "Type2 : 0mm

- 6. Add register marks and ID data.
 - (1) Select the register mark size.
 - "Type 1 ,", "Type 2 "" or "Square" (When using CFL-605RT or CF22-1225, "Square" recommended.)
 - (2) Enter the register mark size.
 - (3) Check [ID Cut].
 - Register marks and ID data are added to the data.
 - For ID Cut data sent from FineCut, the [ID Cut] check box is already checked. You can not uncheck it.
 - (4) In the case of arrangement, "Whole" is selected in "Location" of register mark.
 - Whole: Marks and ID data are added to enclose all copied data.
 - (5) Set "Offset".(@P.28 ""Offset" is set when "Whole" is selected in step (4).")

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- Output data with RasterLink.(P.19 "6. Output the print data")
 Data with ID will be printed.
- 8. Set the media (work, sheet) that is printed to cutting plotter. (@P.20 "Set the media (work, sheet) that is printed to cutting plotter.")
- 9. When a register mark is detected, ID cut is automatically started.(P.20 "Detect register marks.")

ID cut multiple types of data (CF22-1225)

This function is available when CF22-1225 is used.

Multiple types of ID data can not automatically cut on CFL-605RT. If you want to cut multiple types of data with CFL-605RT, detect register marks manually each time the type

of register mark changes.

- 1. Printing multiple types of data with RasterLink.
 - When printing multiple register mark data and performing ID cutting continuously, make sure that the shape, size and rotation angle of all register marks are the same. If there are any register marks that have the different size or shape, ID cutting is canceled.



- 2. Set the media on the cutting plotter.
 - Set the printed media setting direction to 0 degree or 180 degree. If you set media in a direction other than 0 degree or 180 degree, you cannot use automatic cutting (a function to automatically cut multiple types of register marks data continuously).
- 3. Set the origin with cutting plotter.
 - (1) Press the [FUNCTION] key in LOCAL
 - (2) Press $[\land][\lor]$ to select [SET UP], and press the [ENTER] key.
 - (3) Press $[\land][\lor]$ to select [PLOT SETTING], and press the [ENTER] key.
 - (4) Press $[\land][\lor]$ to select [ORIGIN], and press the [ENTER] key.
 - (5) Press $[\land][\lor]$ to select [LOW-LEFT], and press the [ENTER] key.
 - (6) Press the [END] key.
- 4. Set cutting area with cutting plotter.

set the point at the upper right of the cut area so that all data including register mark is included.



- (1) In local mode, press $[\wedge][\vee][<][>] to enter jog mode.$
- (2) Press the [AREA] key.
- (3) Press $[\wedge][\vee][<][>]$ to set the upper right point of the cut area, and press the [ENTER] key.
 - After a while, it returns to the local mode.

- 5. Set "Registration mark search" function to "On" with cutting plotter.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Press $[\land][\lor]$ key to select [SET UP], and press the [ENTER] key.
 - (3) Press $[\land][\lor]$ key to select [MARK DETECT], and press the [ENTER] key.
 - (4) Press the [∧][∨] key to make settings for the following item, and then press the [ENTER] key.

ltem	Value	Setting value
Registration mark search	On/ Off	 Select "On". When set to "On", after the cut is finished, the next register mark data is searched automatically. "Scan width" and "Search range" settings are required.
Scan width	10 to 99 cm	 Specify the width for searching registration marks from the point on the extension line from origin seal (below figure - point A). "Registration mark search": It is valid when "On".
Search range	10 to 99 cm	 Specify the distance from the ID cut end position (below figure - point A) to search for the next register mark. "Registration mark search": It is valid when "On".

• See the figure below for "Scan width" and "Search range" when searching register mark.



- 6. Set the printed media(work).
- 7. Detect the register mark, and then the cut data is automatically received and cut.After the ID Cut, the next register mark will be automatically detected.
- 8. If you have multiple pieces of data, [Auto detection \rightarrow ID Cut] is repeated until all pieces of data are finished.

ID cut multiple types of data (CG-FXII Plus, CG-AR)

- 1. Printing multiple types of data with RasterLink.
 - When printing multiple register mark data and performing ID cutting continuously, make sure that the shape, size and rotation angle of all register marks are the same. If there are any register marks that have the different size or shape, ID cutting is canceled.



- 2. Set the origin.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Select [LOWERrightORIGIN] in [SET UP]-[ORGN SELECT] and press the [ENTER] key.
 - (3) Press the [END] key.
- 3. Set "Registration mark search" function to "ON" with cutting plotter.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Select [SET UP] [SEARCH MARK], and press the [ENTER] key.
 - (3) Select [ON] in [SEARCH MARK]. Set [SCAN WIDTH] and [SearchRange].

Item	Value	Setting value
SEARCH MARK	ON/ OFF	 Select "ON". When set to "On", after the cut is finished, the next register mark data is searched automatically. "SCAN WIDTH" and "SearchRange" settings are required.
SCAN WIDTH	3 cm to the machine width	 Specify the width to search for a register mark from the left end (normal mode: below figure - Point A) or right end (expanded mode) of the right pinch roller. "SEARCH MARK": It is valid when "ON".
Search Range	5 to 50 cm	Specify the distance from the ID cut end position (below figure - point A) to search for the next register mark. • "SEARCH MARK": It is valid when "ON".

• See the figure below for [SCAN WIDTH] and [Search Range] when searching register mark.



4. Set the printed media.

The register mark is detected in the feed (media feed) direction. Set the media margins to the following values.

- Front end: Mark shape Type 1: 20 mm or more
 - Mark shape Type 2: [20 mm + Mark size /2] or more
- Left and right ends: 15 mm or more
- Rear end: 40 mm or more



- 5. Detect the register mark, and then the cut data is automatically received and ID Cut.After the ID Cut, the next register mark will be automatically detected.
- 6. If you have multiple pieces of data, [Auto detection → ID Cut] is repeated until all pieces of data are finished.

ID cut multiple types of data (CFX series)

This function is available when CFX series is used.

- 1. Printing multiple types of data with RasterLink.
 - When printing multiple register mark data and performing ID cutting continuously, make sure that the shape, size and rotation angle of all register marks are the same. If there are any register marks that have the different size or shape, ID cutting is canceled.



- 2. Set the media on the cutting plotter.
 - Set the printed media setting direction to 0 degree or 180 degree. If you set media in a direction other than 0 degree or 180 degree, you cannot use automatic cutting (a function to automatically cut multiple types of register marks data continuously).
- 3. Set cutting area with cutting plotter.

set the point at the upper right of the cut area so that all data including register mark is included.



- (1) In local mode, press $[\wedge][\vee][<][>]$ to enter jog mode.
- (2) Press the [AREA] key.
- (3) Press [^][<][<][>] to set the upper right point of the cut area, and press the [ENTER] key.
 After a while, it returns to the local mode.

- 4. Set "Registration mark search" function to "On" with cutting plotter.
 - (1) Press the [FUNCTION] key in LOCAL mode.
 - (2) Press $[\land][\lor]$ key to select [SET UP], and press the [ENTER] key.
 - (3) Press $[\land][\lor]$ key to select [MARK DETECT], and press the [ENTER] key.
 - (4) Press the [∧][∨] key to make settings for the following item, and then press the [ENTER] key.

ltem	Value	Setting value
Registration mark search	On/ Off	 Select "On". When set to "On", after the cut is finished, the next register mark data is searched automatically. Go to scan width setting.
Scan width	10 to 99 cm	 Specifies the width to search for register marks from a point (see figure below - point A) at the back edge of the data at the end of the cut, at a position to the right of the register marks. "Registration mark search": It is valid when "On".

• See the figure below for "Scan width" when searching register mark.



- 5. Set the printed media(work).
- 6. Detect the register mark, and then the cut data is automatically received and cut.After the ID Cut, the next register mark will be automatically detected.
- 7. If you have multiple pieces of data, [Auto detection \rightarrow ID Cut] is repeated until all pieces of data are finished.

Printing position shifts when combining with clear / primer data

Color data with ID is output with FineCut, and clear/primer data created with Adobe Illustrator/CoreIDRAW are output with EPS or driver. When these data are read with RasterLink, the positions of data for color and clear / primer are misaligned.

ID cutting by the following procedure. Explaining an example of composing a clear version. In the case of primers, replace "clear" with "primer".

- 1. Create color data, clear data, cut data with Adobe Illustrator / Corel DRAW.
- 2. Create frame (square frame) data in "Frame layer" in Adobe Illustrator / Corel DRAW.
 - (1) Create a frame so as to surround all of the color data, clear data, and cut data.
 - (2) Set the square frame to no stroke, no fill.



- Output ID-attached color data and cut data with FineCut (@P.17 "Send ID data.")
 (1) The attributes of each layer are set as shown in the
 - following table.

Adob	Output		
Layer	Show 🚳 / Hide	Output	
Cut	Show	OFF	Cut
Frame	Show	ON	Print
Clear Plate	Hide	ON	-
Color Plate	Show	ON	Print

 Image: Cut
 Cut

 Image: Cut
 Image: Cut

(2) Click the [Plot] icon on the FineCut menu.



- (3) Send ID data. (@P.17 "Send ID data.")
 - The data is sent to the hot folder of RasterLink.
- 4. The clear data is output to RasterLink.
 - (1) Click the [Plotter / User Setup ...] icon on the FineCut menu.
 - This procedure is required when using FineCutVer8.7.3 or earlier version. If you are using a version later than Fine-CutVer8.7.3, proceed to step (3) without performing this procedure.

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- (2) Select one of the CJV30, TPC, CJV300/150, CJV300 Plus, UCJV300/150 series in the plotter model and click [Setup].
 - In order to use the [Output to RasterLink ...] function, temporarily change it.
 - This procedure is required when using FineCutVer8.7.3 or earlier version. If you are using a version later than Fine-CutVer8.7.3, proceed to step (3) without performing this procedure.
- (3) The attributes of each layer are set as shown in the following table.

Adob	Output		
Layer	Show 💿 / Hide	Print attribute	Output
Cut	Hide	OFF	-
Frame	Show	ON	Print
Clear Plate	Show	ON	Print
Color Plate	Hide	ON	-

- (4) Click the [Output to RasterLink ...] icon on the FineCut menu.
- (5) Select the same hot folder as the RasterLink hot folder that sent the ID data in Step 3.
- (6) Click [Output].
 - The data is sent to the RasterLink hot folder of the printer to be used.
- 5. Replace clear data with single color in RasterLink.
 - (1) Select the job of step 3 read by RasterLink.
 - (2) Select [Mono Color] with "Job Attribute".



(3) Select [Clear] in "Ink" in the [Job Attribute] screen and click [OK].

та Б	Job Attribute	×
Mono Color UV Mode		
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		OKCancel

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Approximation Type:	Line ~	
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	🔉 🖛 Color Plate

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C:\MijSuite\Hot\JFX200		~

- 6. Composite jobs with RasterLink.
 - (1) Select the job to be composed in the job list.
 - (2) Click the "Composition" icon in the function icon list on the right of the screen.

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- (3) Make the cutting output the last, and click [Composite].
 - ID cut output can not be performed unless the output order of cuts is set to the top (the largest number).

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File Function Tool Environments													
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- 7. Add register marks and ID data.(@P.30 "Add register marks and ID data.")
- 8. Output data with RasterLink.(P.19 "6. Output the print data")
 Data with ID will be printed.
- 9. Set the media (work, sheet) that is printed to cutting plotter. (@P.20 "Set the media (work, sheet) that is printed to cutting plotter.")
- 10. When a register mark is detected, ID cut is automatically started.(P.20 "Detect register marks.")

Printing data is not correctly sent to RasterLink when ID cut outputting in PDF format

Printing data of ID cut output in PDF format may be missing or blank in RasterLink. (for Adobe Illustrator)

- 1. Make sure that all data including register mark are contained in the Illustrator artboard.
 - If the problem persists, proceed to the next step.
- 2. Uncheck "Preserve Illustrator Editing Capabilities" on the PDF option screen which is displayed at ID cut output.
 - The following message may be displayed, "...may disable some editing features when the document is read back in.", please click [OK] to save.

	Save Adobe PDF
Adobe PDF Presel Standard General Compression Marks and Bleeds Output Advanced Security Summary!	Save Adobe PDF t: Custom Custom Compatibility: Acrobat 6 (PDF 1.5) General Description: Based on 'Ilustrator Default'] These are the default settings when saving an Illustrator file as an Adobe PDF document. Use these settings when you plan on editing the file again in Illustrator, or when you need to place it in a layout application such as InDesign, or when the final use of the file is unknown. Options Preserve Illustrator Editing Capabilities Membed Page Thumbnails Optimize for Fast Web View View PDF after Saving
	Create Acrobat Layers from Top-Level Layers
	Save PDF Reset

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