

Cut Simply and Directly



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Foreword

Thank you very much for purchasing a product of MIMAKI.

FineCut, a plug-in software for Adobe[®]Illustrator[®], offers simple operation and stable cutting environment which has never been realized by other cutting software.

Note

- This Operation Manual has been carefully prepared for your easy understanding, however, please do not hesitate to contact a distributor in your district or our office if you have any inquiry.
- Description contained in this Operation Manual are subject to change without notice for improvement.
- Do not copy this software to any other disk for the purpose of other than making a backup disk or load it in memory for the purpose of other than execution.
- Except for the damages prescribed in Warranty Notes of MIMAKI Engineering Co., Ltd. assumes no responsibility for effects (including loss of income, indirect damages, special damages, or other financial damages) resulting from the use or non-use of the product. This also applies to the case when MIMAKI Engineering is notified of the possibility of damages.

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New Functions of FineCut8

Advanced cutting

You can specify the cutting start position. (@ P.6-4) You can also avoid cutting thick media too much by separating line and cutting from outside to inside, or from inside to outside. (CF/CF2/DC/CF3 series) (@ P.4-20)

Extracting outline easily (P.4-12)

You can extract outline of images easily with "Trace simply".

Adding the register mark (P.3-6)

You can add the mark ($\mathbf{\nabla}$) on the bottom center of the register guide. (option) You can easily find the direction of the register guide when cutting printed objects.

The latest information of FineCut online (@ P.7-39)

You can get the latest information of FineCut online such as update information. (For Mac OS X, 10.4 or later is supported.) (It displays in English or Japanese.)

System and software

The following conditions are required to use FineCut8.

Item	Windows	Macintosh
Computer	IBM PC or compatible mounting Pentium processor or compatible CPU	Macintosh mounting Power PC or Intel CPU
OS	Microsoft [®] Windows [®] 2000 (service pack 4 and later), Windows [®] XP (service pack 2 and later), Windows Vista TM , Windows [®] 7 The following is the OS when connected to the plotter by USB: • Windows XP (service pack 2 and later) 32-bit only	Mac OS 9.2.2 Mac OS X 10.2.6 to 10.6
Monitor	1024 x 768 pixels, or higher resolution is required	
Software	Adobe [®] Illustrator [®] 8.0.1, 9, 10, CS, CS2, CS3, CS4 (English Version)	
Plotter	MIMAKI CG series (CG-45 or later), MIMAKI CF-09/12 series, MIMAKI CF2 series, MIMAKI DC series, MIMAKI CF3 series, MIMAKI CJV30 series, MIMAKI TPC	
Online Information function	As described in "OS" above	Mac OS X 10.4 or later
Connection	Serial connection (crossing cable) or USB connection	
Others	Compliant with the operation environment of Adobe [®] Illustrate	or [®] used
 To output to a serial port of the plotter from Macintosh USB port, USB-serial adapter is required. (USB-serial adapter (Option: OPT-SS036) is recommended) Some USB-serial adapter may not operate normally because of a problem between the adapter and the operating system of the computer. Before using other manufacturer's adapter, contact the manufacturer for problems between the adapter and OS in use. 		

How to Read This Manual

Notations

Menu items and buttons displayed in each screen are enclosed in square brackets like [File] menu.

Symbols

(Important!)	Indicates cautions or procedures you must perform.
Î	Describes useful information.
	 Indicates a page of related contents for reference.

FineCut menu

FineCut dialog is displayed as follows on Illustrator. In this manual, it is called "FineCut menu".

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CHAPTER 1 Preparation



This chapter describes how to set the plotter, install FineCut, and set the connection to the plotter. Before using FineCut, work in the order described in this chapter.

Setting of Plotter	. 1-2
Installation of FineCut	
For Windows	1-3
For Macintosh	1-6
Online Information	. 1-8
Connecting to the Plotter	. 1-9

Setting of Plotter

Before using FineCut, set the plotter used as described below.

Plotter		Item	Setting
CG-EX Series	OF	RIGIN SELECT	LOW RIGHT
CG-FX Series,	OF	RIGIN SELECT	LOW RIGHT
CG-FXII Series,	s, ₇	MARK DETECT	1Pt
CG-75ML, CG-60SR,	egis	DIST REVI	AFTER
CG-SRII Series	ter	offset A	0.0mm
	Mar	offset B	0.0mm
	к S	COPIES A (↑)	1 (sheet)
	Register Mark Setting	COPIES B (←)	1 (sheet)
	RC	DTATION	OFF
	PF	RIORITY	HOST
CJV30 Series,	Re	MARK DETECT	1Pt
• Set all for each tool.	Register	OFFSET Y (←)	0.0mm
• Set all for each tool.	ter	OFFSET X (↑)	0.0mm
	Mark Setting	COPIES Y (←)	1 (sheet)
		COPIES X ([↑])	1 (sheet)
CF-09/12 Series	CN	ND SW	Enable
	OF	RIGIN	LOW-LEFT
	CII	RCLE θ CORRECTION	Enter an angle of positive number
CF2 Series,	CN	/D SW	Enable
DC Series, CF3 Series	OF	RIGIN	LOW-LEFT (LOW-RIGHT for CF3)
	CII		Enter an angle of positive number
	EX	(PAND	OFF
	• F	ARK DETECT Register mark detection cannot be set unless the expand is set to OFF.	1pt
	<n< th=""><th>IULTI-PASS>-CUT START</th><th>OFF</th></n<>	IULTI-PASS>-CUT START	OFF

Installation of FineCut

For Windows



Start the computer, and set the CD-ROM of FineCut into the CD drive.



Click [FineCut8 for Illustrator Setup].





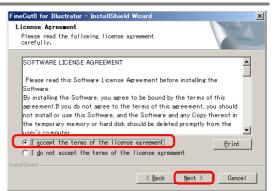
Click [Next].





Check the Software License Agreement.

Read through the agreement, click [I accept the terms in the license agreement] to consent the agreement, and click [Next].



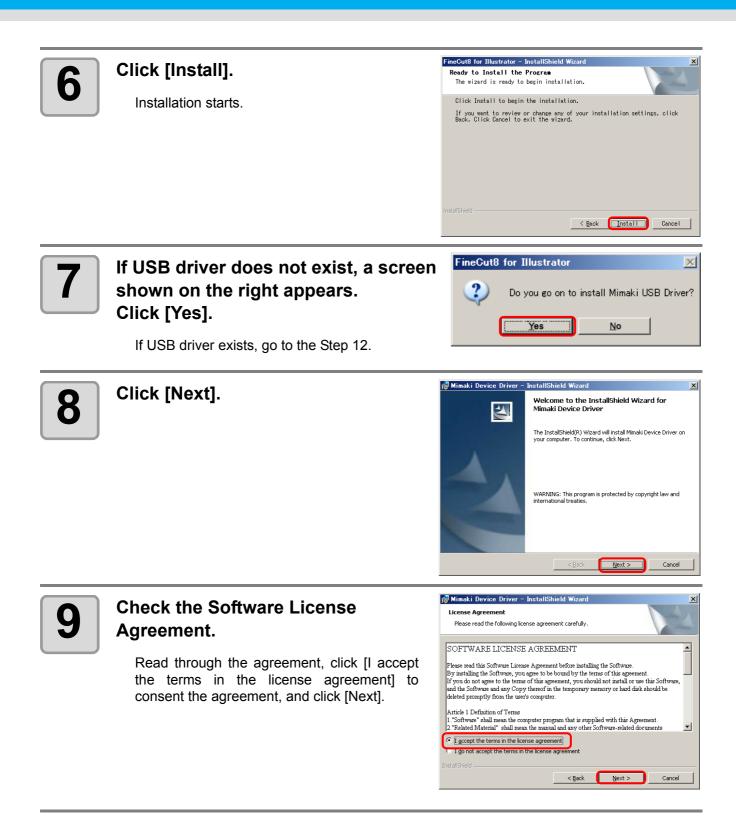


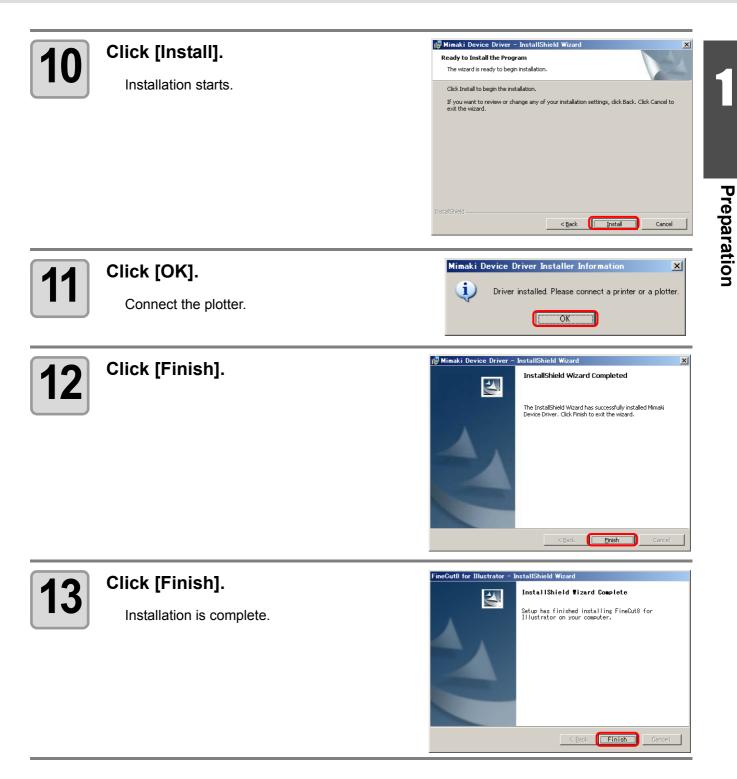
Check the Illustrator to be installed on, and click [Next].

Uncheck the Illustrator not to be installed on.

If the Illustrator used does not appear on the list, click [Manual setting] and select a plug-in folder of the Illustrator.

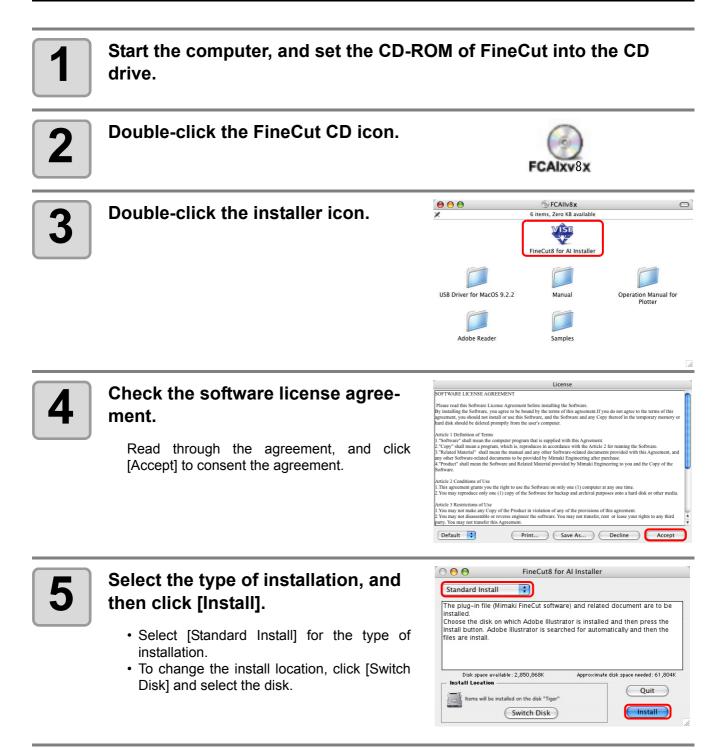
FineCut8 for Illustrator - InstallShield Wizard	×
Select Illustrator Select the Illustrator setup will install.	
Select the Illustrator you want to install, and deselect the Illustrator	
■ I lustrator 8 0 K ♥ I lustrator CS 2280 K	
When you install in the Illustrator other than above, click "Manual setting" button.	
InstallShield	





Next, go to "Online Information". (@P.1-8)

For Macintosh





Select the version of Illustrator to be installed on.

Click the button to start installation.

	Adobe Illustrator 8	
C	Adobe Illustrator 9	
C	Adobe Illustrator 10	
C	Adobe Illustrator CS	
C	Adobe Illustrator CS2	\supset
\subset	Adobe Illustrator CS3	\supset
C	Adobe Illustrator CS4	\supset

Please choose the Illustrator of an installation place.



Click [Quit].

Installation is complete. To continue the installation, click [Continue].

is, click Continue.	periorin
Continue	Quit

Next, go to "Online Information". (@P.1-8)

Online Information

If a new information about FineCut is found, the following screen appears when a new document is created first or a document is opened first.

Click necessary items and check the information. (@P.7-39 for details)

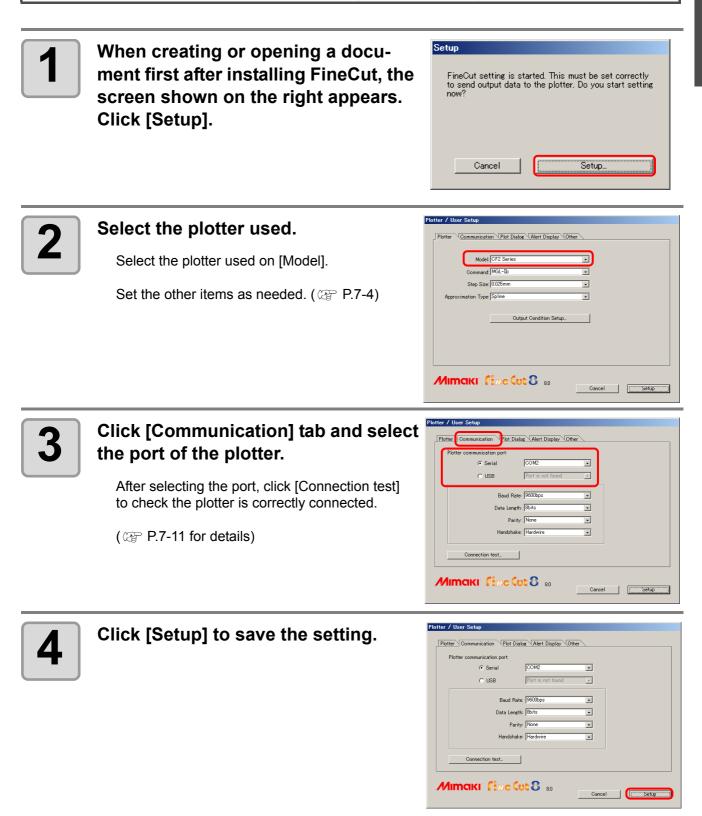
🔎 FineCut On	line Information		
Check	Release D 2010-01-01 2010-05-20	Topics FineCut 8.1 released (TEST) The Illustrator CS5 correspondence version schedules a	rele
Description Details: URL:		Clos	se

Next, go to "Connecting to the Plotter". (@P.1-9)

Connecting to the Plotter

Before outputting data to the plotter, set the plotter on FineCut.

• Set the same values for Plotter and Communication as the settings on the plotter. If the entered values differ from the settings on the plotter, objects will not be cut normally.



Preparation is complete.

Preparation

1-10

CHAPTER 2 Basic Cutting



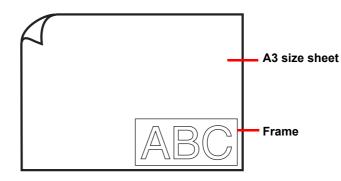
This section describes basic procedures of cutting.

Basic Cutting	2-2
Basic cutting	
Fill and Stroke of an Object	

Basic Cutting

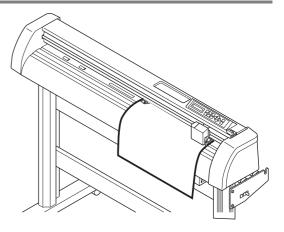
Basic cutting

The following steps show how to cut ABC in the lower right of A3 size sheet, and how to cut a frame away from surroundings of ABC by 5mm, using MIMAKI CG series.

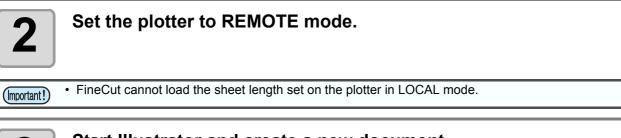




Load a A3 size sheet into the plotter so that it is wider than it is tall.



• For the sheet loading or the plotter operation, refer to the Operation Manual supplied with the plotter.

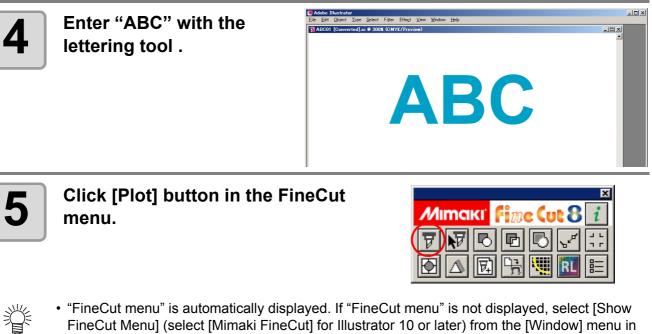


Start Illustrator and create a new document.

You do not need to set A3 for the paper size.



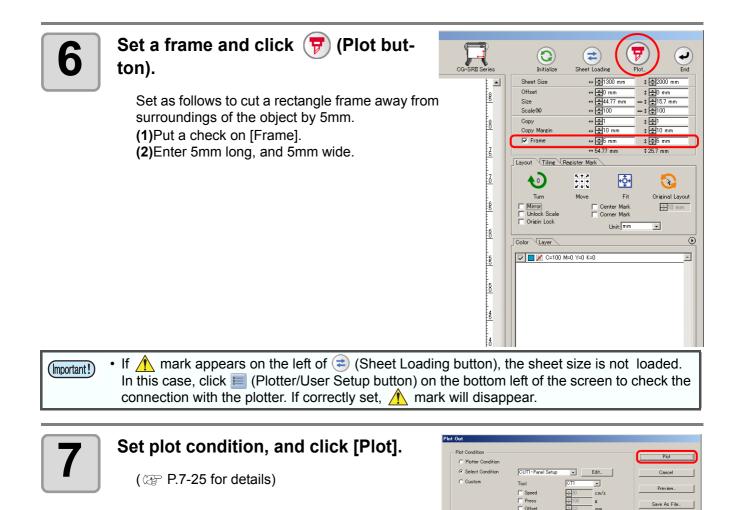
• If the following screens appear, see "CHAPTER 1 Preparation". "Online Information" "Plotter / User Setup"



• "FineCut menu" is automatically displayed. If "FineCut menu" is not displayed, select [Show FineCut Menu] (select [Mimaki FineCut] for Illustrator 10 or later) from the [Window] menu in the Illustrator.

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2



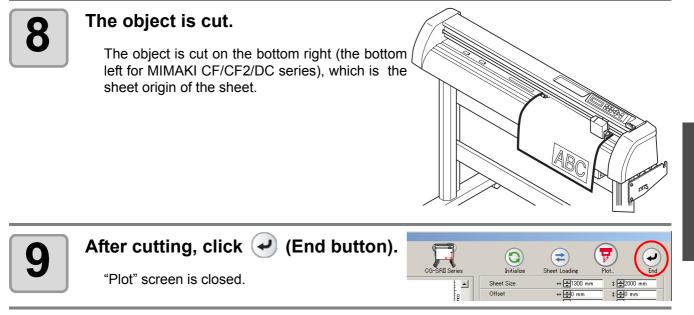
(mportant!) • Match the conditions to the media on the plotter. If the setting is unmatched, the object will not be cut normally.

Sheet Feed

Each Colo

Set.

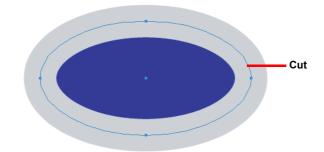
Plo



2

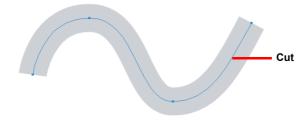
Fill and Stroke of an Object

In the figure below, the fill of the ellipse is set and stroke are made thicker. Not the outline of stroke, but the outline of fill (middle of the line) is cut.



If an object is not filled with a color, the stroke path is cut.

The stroke path is cut, regardless of the thickness. Check the path when selecting the object or in the Artwork mode (Outline mode) of Illustrator.



Path is...

Path is a created line with the drawing tool of Illustrator.

The outline of a graphic object also consists of a path. The outline of a straight line or a rectangle created by Illustrator is also a typical example of path.



- To cut an object with the stroke weight recognized or to cut with stroke and fill separated, see the following page.
 - (CP P.4-2 "Recognizing Stroke Weight and Overlap")

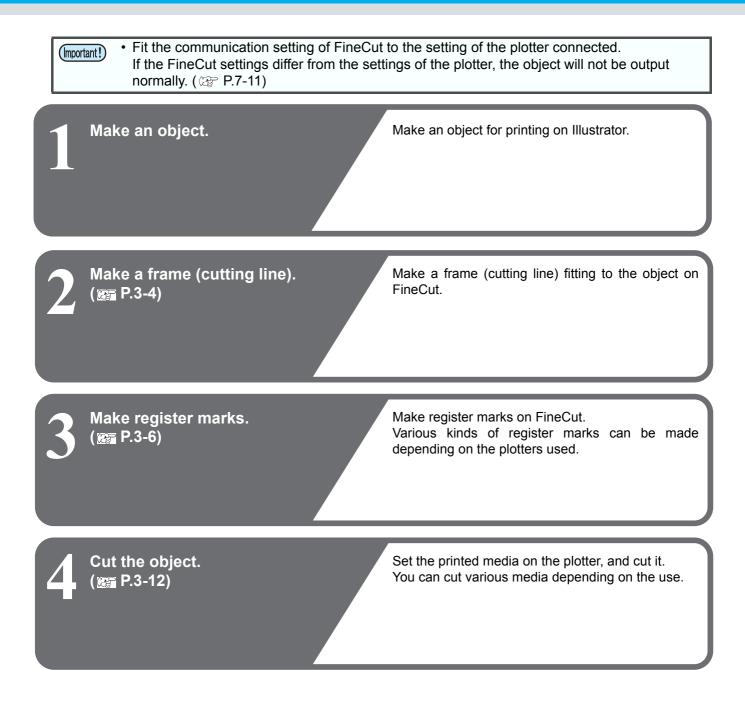
CHAPTER 3 Creating Register Marks



This section describes how to cut frames of the printed image with register marks function to make seals, stickers, and signpanels.

Work Flow	. 3-2
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Cutting an Object	3-12

Work Flow



For cutting, the following functions can be used depending on the plotters used.

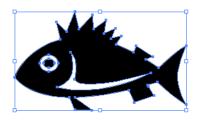
Model	Function	Reference page
CG-EX series	Cutting register marks	P.3-12
CG-FX/ CG-FXII/ CG-75ML/	Cutting one image continuously	P.3-14
CG-60SR/ CG-SRII/ CJV30/ TPC series	Cutting multiple images continuously (CG-75ML only)	P.3-20
	Cutting an outline and a base sheet cutline at a time (except CG-FX/CG-FXII)	P.3-23
CF2/DC/CF3 series	Cutting register marks	P.3-26
	Cutting with Mark Separation	P.3-29
	Cutting from the reverse side	P.3-32

Making a Frame (Cutting Line)

Specify offset to make cutting line automatically.



Select an object to attach a frame.





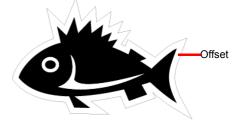
Click [Frame Extraction] button in the FineCut menu.

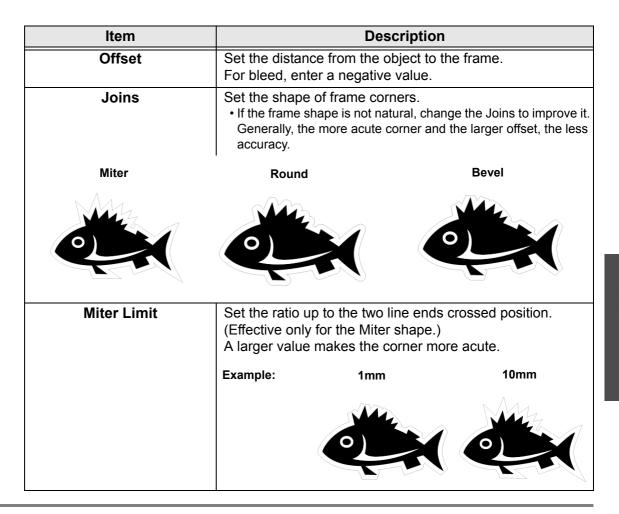




Set a path for the frame.

Offset Path	
<u>O</u> ffset: 3.5278 mm	<u> </u>
Joins: Miter 💌	Cancel
Miter limit: 4	







Click [OK].

The frame is extracted, and a path is created in [FC Frame Layer].

- 背
- Every time executing [Frame Extraction], a new layer is created as "FC Frame Layer 1", "FC Frame Layer 2".
- Use them when setting print or cutting condition for each layer. (@P.5-16) • The data in this layer is set as non-printed, since it is used as cutting data.
 - To print this data, enable "Print" on Illustrator "Layer Options".

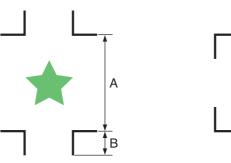
5

Making Register Marks

Register Marks

The size (B) of a register mark suited for the distance (A) between the marks is as shown below. If the mark size (B) is too small relative to the distance (A), the marks may not be detected correctly. Be sure to prepare the register marks with an appropriate size.

CG series, CJV30 / TPC series

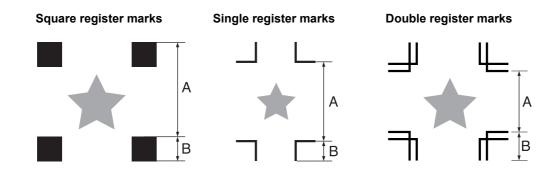


А	200 max.	500 max.	1000 max.	2000 max.	2001 min.
В	4 min.	8 min.	15 min.	25 min.	35 to 40
					(100.000)

(mm)

₿В

CF2 / DC / CF3 series



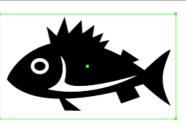
А	200 max.	500 max.	1000 max.	1500 max.	1501 min.
В	5	10	15	20	30
					(mm)

(mm)

CG/CJV30/TPC series



Enclose an object with a rectangle on the position for making a register mark.



2

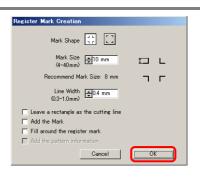
Click [Register Mark Creation] button in the FineCut menu.





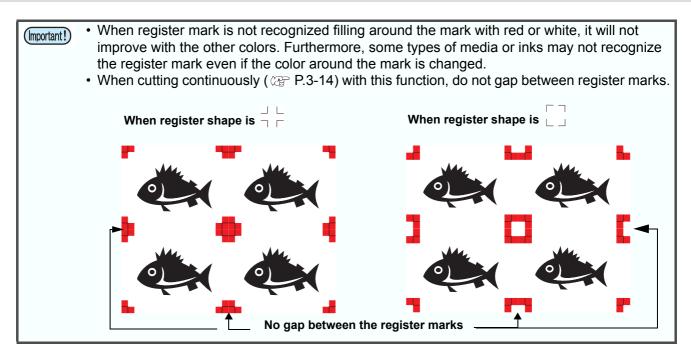
Set the shape or others for the register mark.

Click [OK] after setting.



ltem	Description
Mark Shape	Select the shape of the register mark.
Mark Size	Set the size of the register mark. Set the larger size than [Recommend Mark Size] below.
Recommend Mark Size	Displays a recommended register mark size.
Line Width	Set the line width of the register mark.
Leave a rectangle as the cutting line	Cuts the rectangle created in step 1.
Add the Mark	▼ mark is added while making register marks. For the data that the front and the back looks alike, add this mark to set a printed media on the plotter in the correct direction.
Fill around the register mark	 Fills around the register mark with red spot color. When register mark is not recognized on the media of other than white, the mark can be recognized with this function. Recommend color to fill around is red (default) or white. To print
	with white, refer to the printer manual. Generally allocate red spot color to white and print.

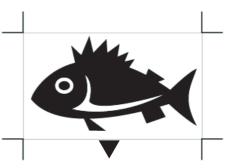
3



ltem	Description
Add the pattern information (Only for CG-75ML)	Adds a bar-code shaped pattern information with register mark. With the pattern information and the register mark reading function, you can cut the outline of multiple different sticker at one time.



Register marks are created. Output this data to the printer.

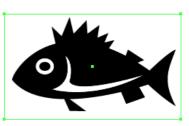


Creating one register mark, a new register mark data is created in the new layer as [FC Register Mark Layer 1], [FC Register Mark Layer 2]...
 Please note that FineCut recognizes only one set of register mark. When two or more register mark sets are created, set unnecessary register mark undisplayed.

CF2/DC/CF3 series



Enclose an object with rectangle on the position for making a register mark.





Click [Register Mark Creation] button in the FineCut menu.



8



Set the size of register mark.

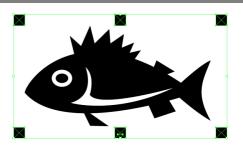
Click [OK] after setting.

Register Mark Creation	
Mark Size (5-30mm)	
Recommend Mark Size: 5 mm	■ - ■
☑ Add the Mark	
Mark Separation	
Direction \leftrightarrow	
Count +2	
Cancel	OK

Item Description		
Mark Size	Set the size of the register mark. Set the larger size than [Recommend Mark Size] below.	
Recommend Mark Size	Displays a recommended register mark size.	
Add the mark	▼ mark is added while making register marks. For the data that the front and the back looks alike, add this mark to set a printed media on the plotter in the correct direction.	
Mark Separation	Cuts each separated area. Use it when an object is too large to fit in the cut area. (P.3-29 for cutting) • For the figure below, it is cut in 3 times of 1 to 3.	

4

Register marks are created. Output this data to the printer.





Creating one register mark, a new register mark data is created in the new layer as [FC Register Mark Layer 1], [FC Register Mark Layer 2]...
 Please note that FineCut recognizes only one set of register mark. When two or more register mark sets are created, set unnecessary register mark undisplayed.

Cutting an Object

CG-EX series

Detect the register marks and cut the object.



Set the printed sheet on the plotter to detect register marks.

For the procedure of register mark detection, refer to the operation manual of the plotter.



Click [Plot] button in the FineCut menu.



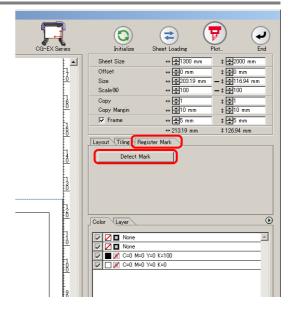
- Ï
- When an unnecessary object to cut exists on Illustrator, select objects to be cut and register marks, and click [Plot Selected Path].



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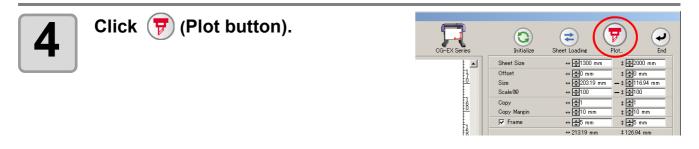
Click [Register Mark] tab and click [Detect Mark].

Register mark is detected.



• To cancel the register mark detection, click [Exit Detection].





5	Click [Plot] to start cutting.	Plot Condition Plot Condition Select Condition Custom Tool Frees Free Frees Free Frees Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free Free	Carcel Preview Save As File
		Options	

CG-FX/ CG-FXII/ CG-75ML/ CG-60SR/ CG-SRII/ CJV30/ TPC series

• If [Other CG Series] is selected on [Plotter] screen of Plotter / User Setup, register marks cannot be cut.

Cutting one image continuously

Register marks are detected and one image is cut multiple times. The register marks can be detected at high speed.

(Important!)	 Use only one set of register mark on Illustrator. If printing the same data multiple times, use the copy function of your print software (RIP). Align the images to X/Y (vertical/horioantal) direction.
Î	 When CJV30 series or TPC is used, you can print & cut by one operation working with RasterLink. (GP P.4-14)





1

Click [Plot] button in the FineCut menu.

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	× Fine (ut 8 i © © √ ;;) 🛱 📜 🖬 🖩

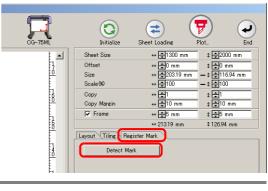


 When an unnecessary object to cut exists on Illustrator, select objects to be cut and register marks, and click register [Plot Selected Path].

3

Click [Register Mark] tab and click [Detect Mark].

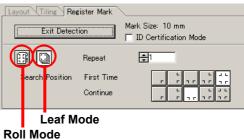
Register marks are detected.





Set register marks to detect continuously.

To cancel register mark detection, click [Exit Detection].



lt	tem	Description
ID Certification Mode		(굕 P.3-20)
Roll Mode/Leaf Mode		Select the sheet to cut.
Repeat		In case the number is indefinite, input "9999" (the maximum numbers).
	Roll Mode	Set the data numbers to vertical and horizontal direction.
	Leaf Mode	Set the sheet numbers to replace.
Search	First Time	Select the first detection points of the register mark.
Position	Continue	Select the second and the subsequent detection points of the register mark.

When detecting a large data, increase the mark detection points to cut more precisely.

When detecting a small data, decrease the detection points of "Continue" to reduce the

Ï





detecting time.



Click [Plot] to start cutting.

C Select Condition	CUT1-Panel Setup 💌 Edit	Cancel
C Custom	Tool CTI	
	Speed All cm/s	Preview
	Press ⊕100 e	Save As File.
	I Offset ⊕0.3 mm	Odve As File.
lptions I⊽ Sort	V Sheet Feed	
 All 	🔽 Auto Cut	
C Each Color	Set.	
💌 Head Withdrawal Aft	er Plot	



In case of Auto Cut (When CG-FX/FXII/75ML, CJV30/TPC series is selected)

- Checking [Auto Cut] in Plot Out screen enables sheet to cut automatically after each cutting. To execute auto cut, make sure to check [Auto Cut] in this screen. Even if ON is set on the plotter, auto cut is invalid unless [Auto Cut] is checked on Plot Out screen. Even if OFF is set on the plotter, auto cut is valid with [Auto Cut] checked on Plot Out screen.
- Click [Set...] below [Auto Cut], and set in detail as follows.

Auto Cut Setup Max Data Length + 👘 10 mm	Set the length from the last line to the cutting point. (See the figure A below).
☑ Detail Cutting	Check to cut the data at every line. (See blue line below)
Cancel	<pre>Cut</pre>



(Following steps are only for cutting with several leaf sheets)

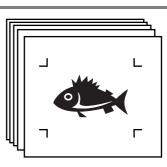
After cutting the first sheet, a message appears on the plotter. Set the next sheet.

CHANGE SHEET



The register marks are detected automatically and the data is cut.

Repeat the step 7 and 8 for the number of the sheet.



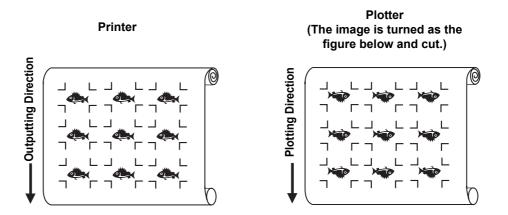


• When using CG-FX/CG-FXII, register marks are automatically detected. When using the other models, detect the register marks manually every time the sheet is replaced. For the details, refer to the operation manual of the plotter.

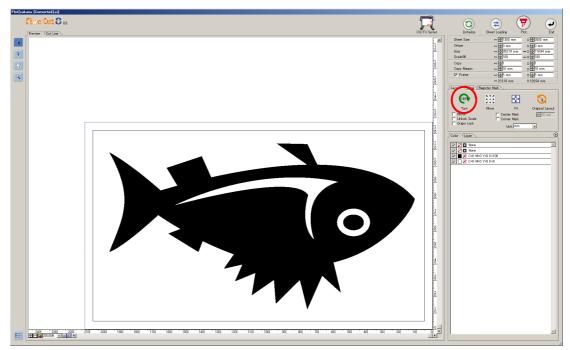


When the sheet printed by the printer with take-up function (MIMAKI JV series etc.) is rolled on a paper core

The paper core can be set to the plotter without rewinding, and it can be cut continuously.



(1) After the step 2, click the Turn button to 180 degrees in the [Layout] tab.

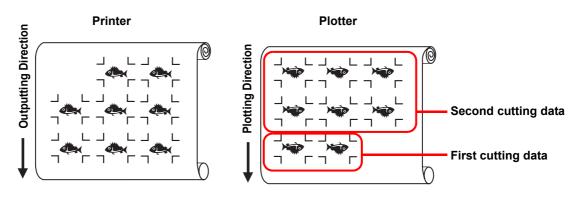


(2) Work from the step 3.

When the continuously-printed data does not fill a part of the lines

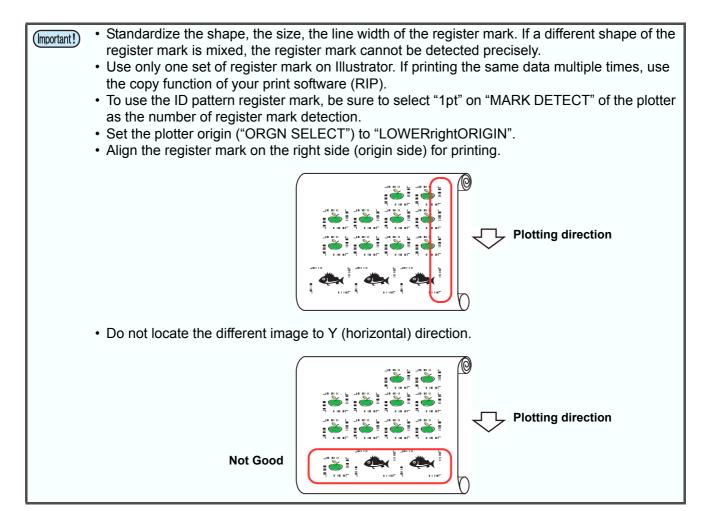


Cut the data in twice to cut all the data.



Cutting multiple images continuously (CG-75ML only)

For multiple different images, the plotter automatically cuts on the accurate position with the ID pattern register mark.



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Set the printed sheet on the plotter to detect register marks. 1 For the procedure of register mark detection, refer to the operation manual of the plotter. · When loading a printed media in a direction opposite to the print, be sure to detect the (Important!) register mark at the lower left. 10 Plotting direction $\overline{}$ Setting to the same direction Setting to the opposite direction Click [Plot] button in the FineCut X 2



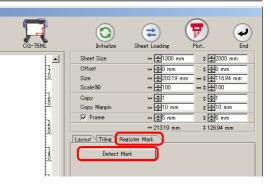
· When an unnecessary object to cut exists on Illustrator, select objects to be cut and register marks, and click **[Plot Selected Path]**.



menu.

Click [Register Mark] tab and click [Detect Mark].

Register marks are detected.



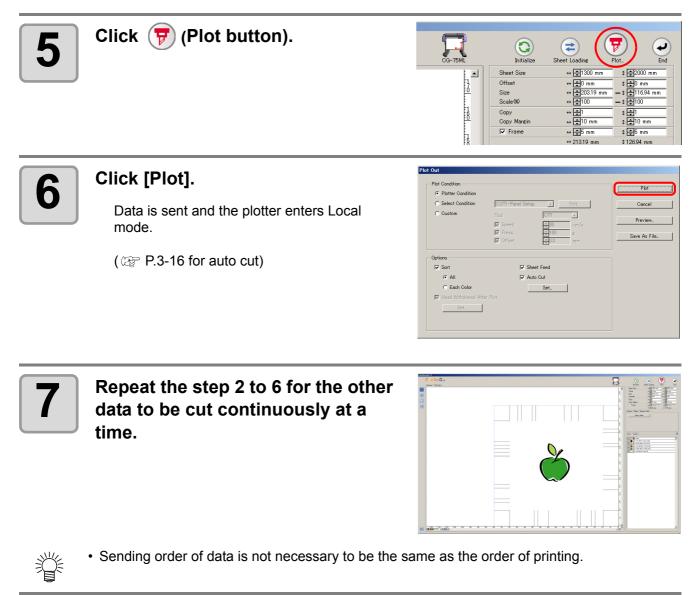


• When cutting with ID certification mode, rotating direction is recognized automatically.



Confirm that [ID Certification Mode] is checked.

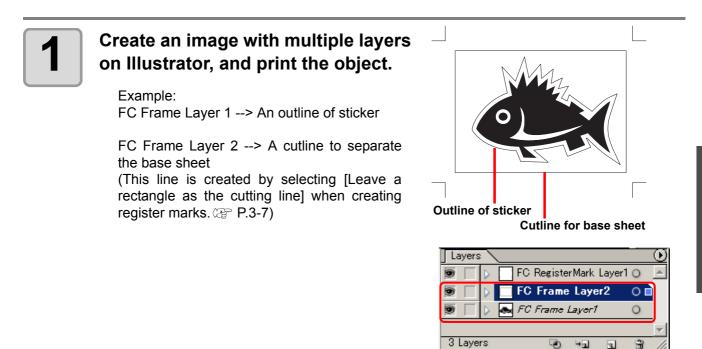






Cutting an outline and a base sheet cutline at a time (except CG-FX/CG-FXII)

An outline of sticker and a dotted line to separate the base sheet (called HALF cut) can be cut at a time.





For the procedure of register mark detection, refer to the operation manual of the plotter.



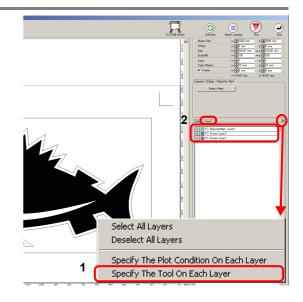
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Click [Layer] tab and set the cutting condition for each layer.

Example:

- (1) Select [Specify The Tool on Each Layer].
- (2) For FC Frame Layer 1 --> Select [CT1].
 - For FC Frame Layer 2 --> Select [HLF].
 - (CPP P.5-16 for details)



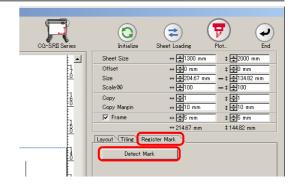
5 Adjust the protrusion of the cutter blade and cutting pressure for each tool.

- each tool.
 - Adjustment of the protrusion of the cutter blade: Refer to "Cut pressure according to each tool" in the operation manual of the plotter.
 Cutting pressure of each tool:
 - [CT1] --> Pressure where cutter blade track remains on the base sheet [HLF] --> Pressure to cut out the base sheet



Click [Register Mark] tab and click [Detect Mark].

Register mark is detected.





Click 🕝 (Plot button).





Click [Plot] to start cutting.

${f C}$ Plotter Condition	_			Plot
C Select Condition		× .	Edit	Cancel
C Custom			w.	Preview.
	E Speed	÷0 pt	cm/s	Preview
	🗖 Press	÷0 pt	e	Save As File
	🗖 Offset	÷0 pt	mm	
Options		Sheet Feed		
 All 		Auto Cut		
C Each Color		Set	1	
🔽 Head Withdrawal Aft	er Plot			
Set				



After cutting, separate the base sheet.

CF2/DC/CF3 series

Cutting register marks



Set a printed sheet on the plotter to detect register marks.

For the procedure of register mark detection, refer to the operation manual of the plotter.



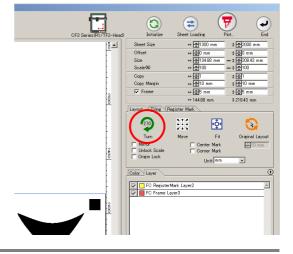
Click [Plot] button in the FineCut menu.

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	▣▣√;;
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 When an unnecessary object to cut exists on Illustrator, select objects to be cut and register marks, and click [Plot Selected Path].



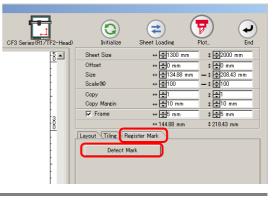
Click (1) (Turn button) to adjust the direction of the image on the plotter with the display of FineCut.





Click [Register Mark] tab and click [Detect Mark].

Register mark is detected.





Select the cutting type.



Multi Mode Single Mode

Item	Description
Size Adjust	When the size of an actual image and a printed image are different, check this to cut a frame aligning with the printed media.
Multi Mode / Single Mode	 Multi Mode: Select when cutting plural images printed on one media. Single Mode: Select when cutting sheet with one set of register mark.
Repeat	 If cutting continuously: Input the number of the sheet for cutting continuously. If not cutting continuously: Check both directions are set to "1".
Reverse Cut Mode	Check if cutting from the reverse side. Check this when cutting the media that cannot be cut finely from the printed face such as a corrugated board. (@P P.3-32)
Search Position	Select the search position (1/2/4 points).



Click (Plot button).





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Click [Plot] to start cutting.

Plot Condition		i Plot
C Select Condition	1-Panel Setup 💌 Edit	Cancel
C Custom	Tool 1 → Speed →30 cm/s	Preview
	Fress ÷100 € FOffset ÷0.3 mm	Save As File
Options		
I Sort (● All	Use the Outside	
C Each Layer		
🔽 Head Withdrawal Aft	er Plot	
Set		



(The followings are operations for cutting plural sheets in single mode.) After cutting the first sheet, put the next sheet on the plotter.



Press the (VACUUM) key of the plotter, and select "Resume".

Press the CE key to cancel continuous cutting.



Detect register marks.

For the procedure of register mark detection, refer to the operation manual of the plotter.







Click [Plot] to start cutting.

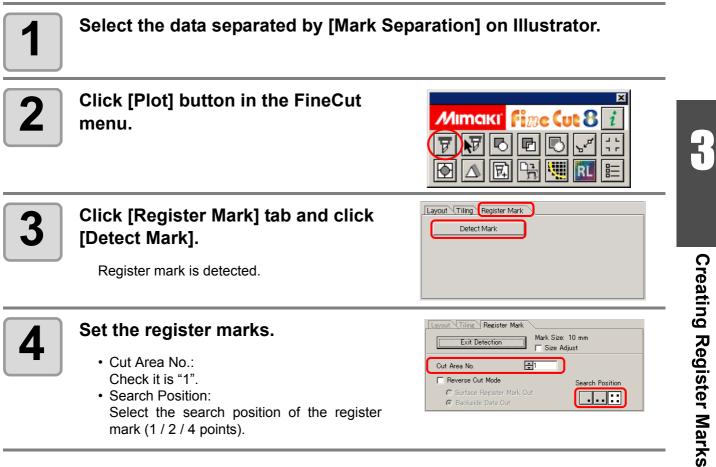
Repeat the step 8 to 12 for the number of the sheet.

Not Condition				Plot
 Plotter Condition 				
C Select Condition	1-Panel Setup	v	Edit	Cancel
C Custom		1	¥	
	Speed	÷30	cm/s	Preview
	M Press	÷100	6	Save As File
	V Offset	÷0.3	mm	oave as rile
I Sort (● All		Use the Outside		
C Each Layer				
Field Withdrawal After	er Plot			
Set				
	rt Position			

Cutting with Mark Separation

The large data that cannot be cut in one time can be cut in several times.

• When making register marks, select [Mark Separation]. (2 P.3-9) (Important!) If [Mark Separation] is not selected, the data cannot be cut separately.





Click (Plot button).





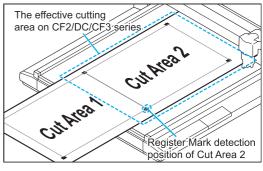
Click [Plot] to start cutting.

Plot Condition		Plot
C Select Condition	1-Panel Setup 💌 Edit	Cancel
C Custom	Tool	
	Speed	Preview.
	₩ Press	Save As Fil
	II Offset nm	OBVE HS FI
Sort	Use the Outside	
C Each Layer		
C Each Layer	er Plot	
	er Plot	



When cutting is completed, move the media.

When moving the media, place the all register marks of the cutting area in the effective cutting area of the plotter.



• When cutting with Mark Separation is performed, the plotter displays [***OFF SCALE***], but it does not pose any problem to the operation.



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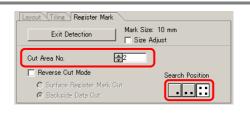
Detect register marks of the cut area "2".

For the procedure of register mark detection, refer to the operation manual of the plotter.



Set the register marks.

- Cut Area No.: Change to "2".
- Search Position: Select the search position of the register mark (1 / 2 / 4 points).



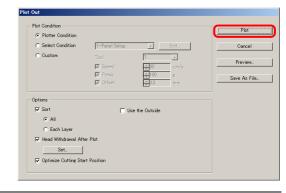






Click [Plot] to start cutting.

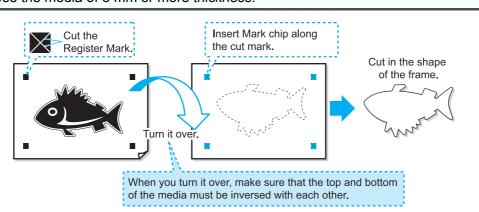
Repeat the Step 7 to 11 for each of the divided register mark.



Cutting from the reverse side

Images can be cut from the reverse side, not from the printed (front) side. Use this function when the media (such as cardboard) is not finished fine by cutting from the front side.

When using Reverse Cut Mode, set the register mark size adjusting to the mark chip used. If the register mark is too small, you may not be able to insert the mark chip.
 Use the media of 3 mm or more thickness.



Turn the printed face up, set the media to the plotter, then detect the register marks.

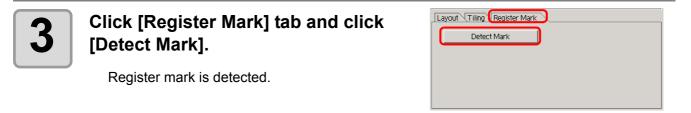
For the procedure of register mark detection, refer to the operation manual of the plotter.

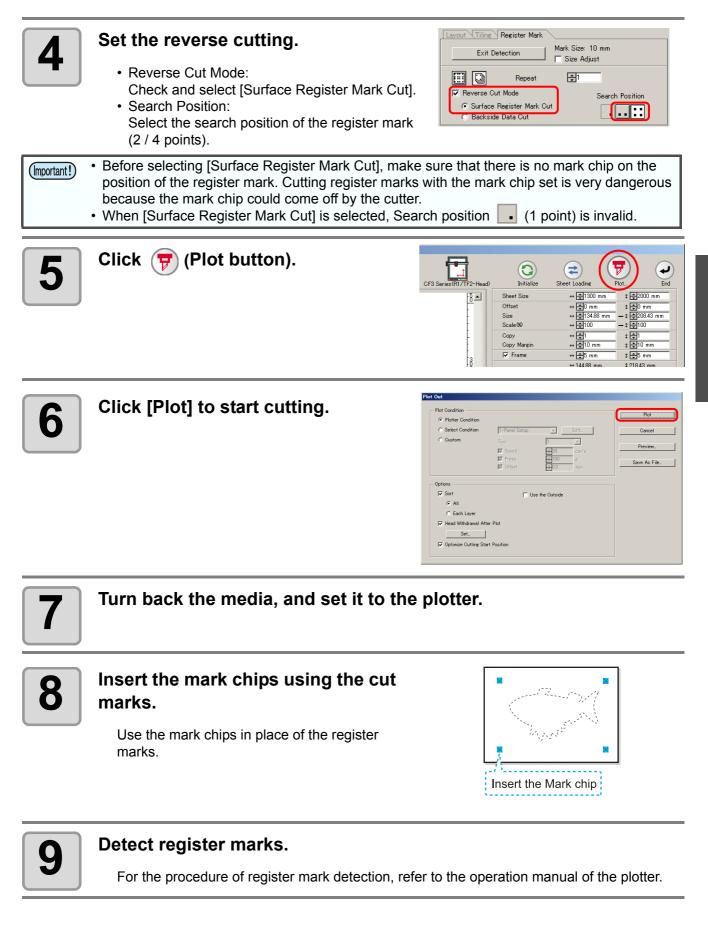


Click [Plot] button in the FineCut menu.

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• When an unnecessary object to cut exists on Illustrator, select objects to be cut and register marks, and click regional [Plot Selected Path].







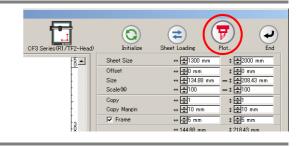
Set the reverse cutting.

- Reverse Cut Mode: Check and select [Backside Data Cut]. The read data is displayed upside down.
 Search Position:
- Select the search position of the register mark (1/2/4 points).

Layout Tiling Register Mark	<u></u>
Exit Detection	Mark Size: 10 mm ┏ Size Adjust
Repeat	⊉ 1
Reverse Cut Mode C Surface Register Mark Cut	Search Position
Backside Data Cut	





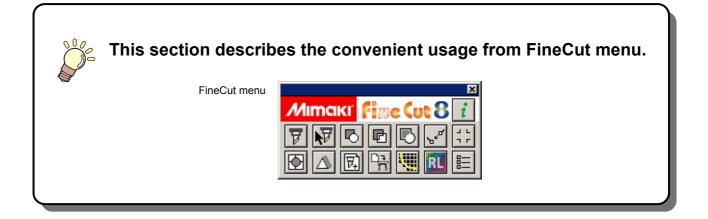




Click [Plot] to start cutting.

 Plotter Condition C Select Condition 	1.0		Edit.	
	1-Panel Setup	<u> </u>	Edit	Cancel
C Custom		1	Ψ.	Preview.
	🔽 Speed	<u>+</u> 30 ▼	cm/s	Pieview
	🕅 Press	÷100	6	Save As File
	🔽 Offset	÷0.3	mm	
I Sort (● All		Use the Outside		
C Each Layer				
🔽 Head Withdrawal Aft	er Plot			
Set				

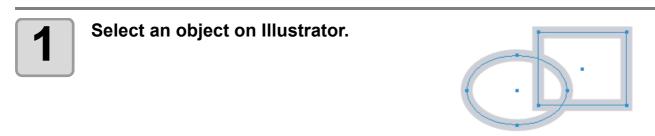
CHAPTER 4 Advanced operations-from FineCut Menu



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/CF3 (except M-Head) series)	4-20

Recognizing Stroke Weight and Overlap

To cut objects in the same shape as displayed on the monitor, recognize the stroke weight and overlap of objects.



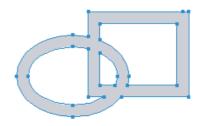


Click [Recognize Stroke Weight And Overlap] button in the FineCut menu.





The stroke weight and overlap are recognized.



Trapping

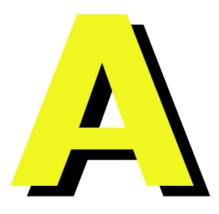
On the overlapping objects, a gap may be generated where the colors are overlapping. Trapping can prevent the gap.



• When trapping complicated figures, error or Illustrator crash may occur and the data may be broken. Save the data first, and then trap.



Select an object on Illustrator.





Click [Trapping] button in the Fine-Cut menu.

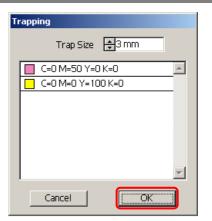




Set the trap size and overlapping order.

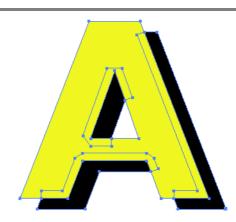
Click [OK] after setting.

• Drag the list to change the overlapping order.





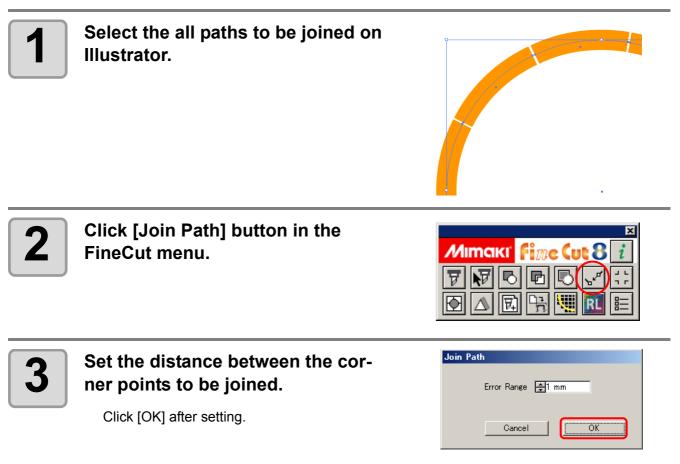
Overlap space is created in the specified size.



Joining Paths

Corner points of an open path (the start and the end point is not connected) can be joined. When reading DXF data into Illustrator, some paths that look connected are separated into several lines. If cutting this, pen-up occurs on every line. With CF3 series (M-Head), it cannot cut considering the endmill diameter.

Joining paths solves these problems.



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- When the distance between the corner points is longer than the set value, they are not joined. Checking the paths on Illustrator, set the value to join the paths.



Making a Precut Line around an Object

When creating stickers, a precut line (called "Weed line") around the object enables to tear off the sticker with ease.

This describes how to make a weed line and a frame.

• Do not set the weed line on a thick sheet. The line may damage the object.

• The unit used in "Make a Weed Line" screen refers to the setting of Illustrator. If changing the unit, set in Illustrator-[File]-[Preferences]-[Units & Undo].



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Select an object on Illustrator.





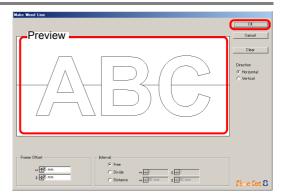
Click [Create Weed Line] button in the FineCut menu.





Set the Weed Line.

After setting, click [OK] .

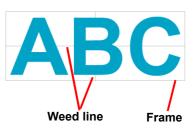


lte	em	Description	
Preview		Check the position and the number of weed lines.	
Frame Offset		Set the distance between the object and the frame.	
	Free	Make the line on the needed position with the needed numbers. Select the direction of the line in [Direction], and click on the pre- view to make the line.	
Interval	Divide	Set the dividing numbers to both horizontal and vertical direc- tions.	
	Distance	Set the distance between the objects to both horizontal and vertical directions.	
[Clear]		Delete all the weed lines except frames.	
Direction		Select the direction of a weed line to be created. It is used when [Free] is selected on [Interval].	



Weed lines are created.

The example shown on the right is set as follows; Frame Offset: 5mm each Interval-Divide: 2 each

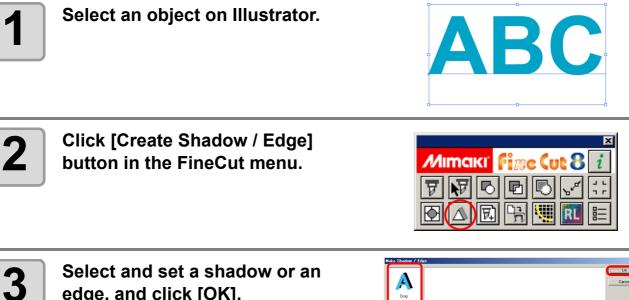




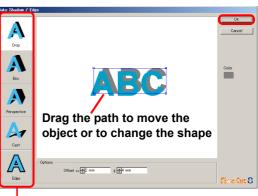
• To delete the created weed line, select [File]-[FineCut]-[Remove Weed Line] on Illustrator.

Creating Shadow / Edge

Create a shadow / edge of an object.



edge, and click [OK].



Shape

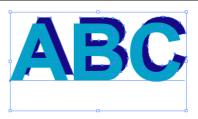
ltem	Description
Shape	Select shadow type (4types) or edge.
Options	Set the offset distance between the object and the shadow / edge.For "Perspective", set the perspective by %.For "Edge", set the shape of the corner and the ratio.(@ P.3-4 "Making a Frame (Cutting Line)" for reference.)
Color	Set the color of a shadow. Click the color to display the following screen. Select color or input the number, and click [OK].
	Define Custom Colors >> ColorIS oid Sat: 240 Green: [0] Define Custom Colors >> ColorIS oid Lum: 75 Blue: [150] OK Cancel Add to Custom Colors
ble to display by	s for the shadow/edge. If the object color mode is CMYK, it may not be the specified RGB colors. onverted to the representable colors of the nearest CMYK.

(Important!)



A shadow or an edge is created.

The example shown on the right is set as follows; Shape: Drop Offset: 4mm each Color: Black





- If the shadow or edge has a lot of anchor points, execute Illustrator-[Object]-[Path]-
- [Simplify...].To remove the created shadow or edge, select [Remove Shadow / Edge] from the [File]-[FineCut] menu.
- If you edit the created shadow or edge on Illustrator, you may not be able to delete it.

Importing / Outputting Plot File

Importing a plot file

Plot files created with cutting software other than FineCut can be imported to Illustrator. You can edit the imported plot files on Illustrator and plot them from FineCut.

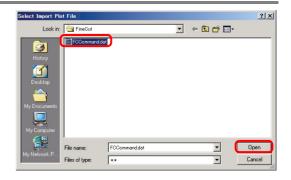


Click [Import Plot File...] button in the FineCut menu.





Select a file to import, and click [Open].





• The importable plot commands are MGL-IC, MGL-IIC, and HP-GL.



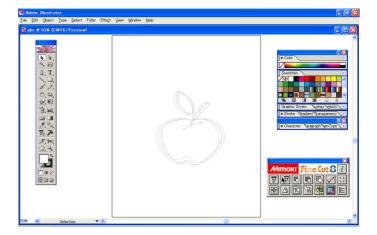
Select the step size for the file to import.

Click [OK] after selecting.

o Size	
Size	
0.025	
OK	
	p Size



The imported file is displayed.



• The image may be rotated and displayed depending on the application that the plot file is created.

Outputting a plot file

Plot files created with cutting software can be output to the plotter.

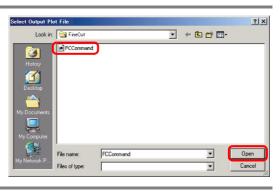


Click [Output Plot File] button in the FineCut menu.





Select a file to output, and click [Open].



Extracting the Outline

Create an outline to cut an image data with no path and readable on Illustrator such as bitmap, JPEG, or TIFF image.

You can also create an outline only in the same color area by specifying the color.

Trace simply

The outline of an image data can be created easily.



Select an object on Illustrator.





Click [Outline Extraction] button in the FineCut menu.

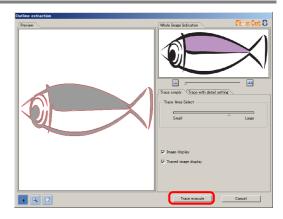




Click [Trace execute] button.

To change the tracing area, drag the slider while checking the preview.

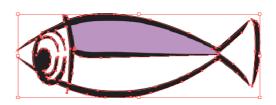
(Correction P.7-28 for other items)



- Clicking [Trace execute], a new layer is created as [FC Trace Layer 1], [FC Trace Layer 2...]. Use this to set cutting condition for each layer. (2 P.5-16)
- The data in this layer is set to non-printing, since it is used as cutting data. To print this data, enable "Print" on Illustrator "Layer option".

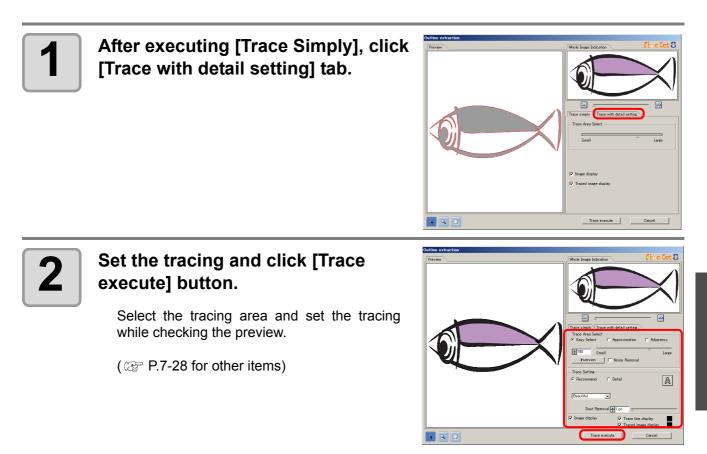


An outline is created on the [FC Trace Layer] of Illustrator.



Trace with detail setting

Use this tab when setting the object traced at [Trace Simply] in detail, or when tracing a specific color or area of the object.

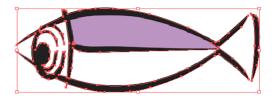


- Clicking [Trace execute], a new layer is created as [FC Trace Layer 1], [FC Trace Layer 2...]. Use this to set cutting condition for each layer. (P.5-16)
- The data in this layer is set to non-printing, since it is used as cutting data. To print this data, enable "Print" on Illustrator "Layer option".



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An outline is created on the [FC Trace Layer] of Illustrator.



Advanced operations - from FineCut Menu

Outputting to RasterLink (CJV30/TPC series)

When using CJV30 series or TPC, data can be easily printed & cut linking FineCut with RasterLink. (It supports RasterLink Pro IV or later)



Start RasterLink.

If there is no hot folder, create it on RasterLink. If outputting from Macintosh, set the hot folder. For details, see the RasterLink Reference Guide or the Installation Guide.



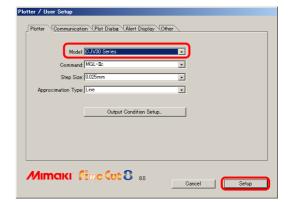
Click [Plotter / User Setup...] button in the FineCut menu.





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Select CJV30 series or TPC on [Model].



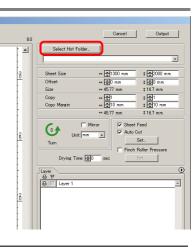
• When a model other than CJV30 series or TPC is selected, an error appears when clicking [Output to RasterLink] on the next step.





Click [Select Hot Folder...].

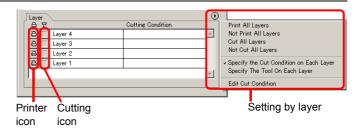
Select a hot folder of RasterLink. If there is no hot folder, create it on RasterLink.



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



Select and set the layers to print or cut.



Item	Description
Printer icon	Click to put a mark on the printing layer.
Cutting icon	Click to put a mark on the cutting layer.
Setting by layer	Click () button and select [Specify the Cut Condition on Each Layer] or [Specify The Tool On Each Layer]. Then, select the cutting condition or tools on the right column of the layer names.



• When both the print and the cut are marked on the Layer screen shown above, the plotter prints, and then cuts the object. If the printing layer has a register mark created with the register mark creation of FineCut, it reads the register mark position after printing, and cuts on the more accurate position.

- When only cutting is marked on the layer screen, include the register mark in the cutting layer to cut with the register mark loaded.
- If not setting [Specify the Cut Condition on Each Layer] or [Specify The Tool On Each Layer], it plots with the setting of the plotter.
- Data is placed with the margin of 0.5mm around.
- When cutting with the register mark loaded, set [1Pt] on [MARK DETECT] of CJV30 or TPC as the number of register mark detection.
 - When creating the register mark on the register mark creation of FineCut, uncheck [Leave a rectangle as the cutting line]. If checked, the plotter cuts with a part of the rectangle missed.
 (@P P.3-7)
 - (Activating [Outer Frame Cut] of Cut Condition screen is recommended.)
 - When printing type2 register mark (□ □), space between copies for at least the register mark size. (⊕ P.3-7) □ □
 - Create only one set of register mark on Illustrator. Creating plural marks causes an error.
 - When different settings are made for each layer, RasterLinkProIV Ver.1.1 or before cuts with the condition shown on the top of the set layer list.
 RasterLinkProVI 1.2 or later will cut with each layer setting.

Set the other items if needed.

(ඎ P.7-31)

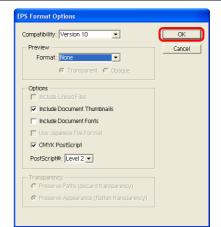


7

Click [Output], then set EPS.

Click [OK] to send the data to RasterLink.

EPS setting varies from the Illustrator version used. The display shown on the right is for Illustrator 10.



(Important!)	 For the format of the preview, select [None]. If the item other than [None] is selected, an error may occur.
	 For Illustrator CS, a message below appears after clicking [OK] button. It is no problem. Select [Yes].
	Adobe Illustrator Saving this document in an older format may convert all type to point type and may disable some editing features when the document is read back in. Do you want to continue? Don't Show Again Yes No



Execute printing & cutting on RasterLink.

For details, see the RasterLink Reference Guide.

Ū

Setting Output Condition

Output condition can be set by the media used.

(Important!)	 This function is valid only for the MGL-IIc commands. If any setting value exceeds the limit of the plotter, the object is plotted with the limit of the plotter. For the limit, refer to the Operation Manual of the plotter.
Î	• Once output conditions are set for each media with the following steps, the conditions can be changed by media on Plot Out screen.



Click [Plotter / User Setup...] button in the FineCut menu.





Click [Output Condition Setup...].

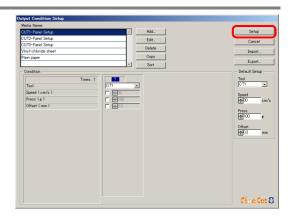
Alternatively, click [Edit] button in the Plot Out screen.

tter / User Setup
Plotter Communication Plot Dialog Alert Display Other
Model: CG-SRII Series
Command: MGL-IIC
Step Size: 0.025mm
Approximation Type: Line
Output Condition Setup



Set conditions on Output Condition Setup screen.

Setting items differ depending on the model selected on [Model] of Plotter / User Setup screen (Step 2). Set each item and click [Setup]. (P.7-5)

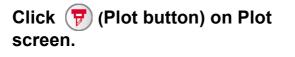




Click [Plot] button in the FineCut menu.











(CPP P.7-25 for details)

C Plotter Condition				Plot
 Select Condition 	CUT1-Panel S	Setup 💌	Edit	Cancel
C Custom	Tool	CT1	*	Preview.
	Speed	÷30	cm/s	FT6V16W
	Press	÷100	e	Save As File
	C Offset	÷0.3	mm	
Options				
Sort	V	Sheet Feed		
 All 	E.	Auto Out		
C Each Color		Set.		
✓ Head Withdrawal Aft	er Plot			
Set				
Jet.				



 When plotting with "Select Condition" or "Custom" selected, the setting of speed/pressure/ offset of the plotter changes. To restore the setting, set the plotter to LOCAL mode and press the [TOOL] button. Some shapes of blade can cut the start / end position of lines too much and scar the product while cutting thick media.

To avoid this, set to separate lines automatically and to cut in twice, from end to inside, or inside to end.

Cutting with the line separated



Select an object on Illustrator.

2

Click [Plotter / User Setup] button in the FineCut menu.





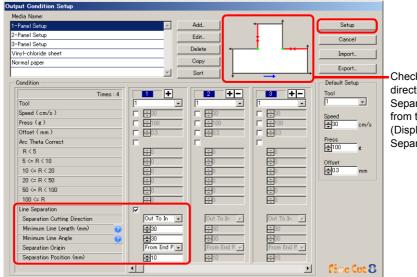
Click [Output Condition Setup...].

Model: CF2 Series		
nmand: MGL-IIc p Size: 0.025mm		
n Type: Spline		
Output Cor	ndition Setup	



Set the line separation.

After setting, click [Setup].



Check the Separation cutting direction and the Separation position changing from the Separation origin. (Displays only when [Line Separation] is selected.)

Item	Description
Line Separation	Check this.
Separation Cutting Direction	Select cutting direction of a separated line. Select according to the blade used. (@P P.4-24)
Minimum Line Length (Default: 30 mm (recommended))	Set the minimum length of the line to be separated. Only the longer line than this setting is separated, and the shorter one is not separated. (If separating a short line, it may not be able to cut finely.)
Minimum Line Angle (Default: 30 degrees (recommended))	Set the minimum angle of the line to be separated. If the cutting line is inflected more than the set angle, the line is separated not the point to be cut too much. (However, if it is deter- mined as outside of the object, it is not separated.) If inside (grey part) is used Even if the angle to the next cutting is larger than the setting in the cutting direction, it is not separated because it is decided as outside of the object. If the angle to the next cutting is larger than the setting in the cutting direction, and if it could scar the object, the line is separated.
Separation Origin	Set the origin position of the separating line.

Ú

ltem	Description
Separation Position	Set the separating position of lines as a distance from [Separation origin].
	End point Separated on 10 mm from the end point.



Click [Plot] button in the FineCut menu.





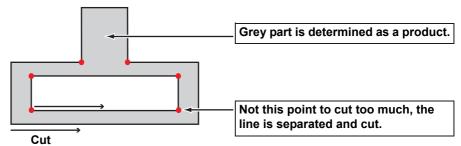
7

Set whether using the outside of the object or not on the Plot Out screen, and click [Plot].

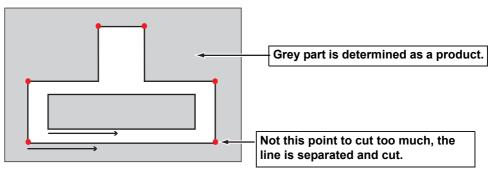
The plotter determines as below depending on the setting, and cuts with the line separated.

 Plotter Condition 		Plot
C Select Condition	1-Panel Setup Edit.	Cancel
C Custom	Tool T	
	☑ Speed 🚽 30 cm/	Preview
	IV Press ∓100 €	Save As File.
	♥ Offset ÷0.3 mm	Jave As File.
ptions		
I⊄ Sort	Use the Outside	
	Use the Outside	
I⊄ Sort	Use the Outside	
Sort (All		
I♥ Sort ● All ○ Each Layer		

If not checked on [Use the Outside] (default)



If checked on [Use the Outside]



The blade shapes and the setting of line separation

When cutting with a line separated, set referring to the example below to meet the shape of the blade used.

For adjustment of eccentricity, see the Operation Manual of the plotter.

Blade used	Product Code	Shape	Adjusted eccentricity value and Test cut pattern	Cutting direction with the line separated
	oout			(@P.4-20)
Carbide, 17°	SPB-0065		(For carbide 17°)	Out to in (No uncut part)
			Start point Start point point	out to in
		cutting direction	Adjust the value not the horizontal/vertical lines of the	1
Carbide, 30°	SPB-0045	Л	Test pattern A to protrude or gap.	
Carbide design cutter, 30 $^{\circ}$	SPB-0051		• If protruded: Enter the protruded value by	
High-speed steel blade 30°	SPB-0043		negative value. If gapped: 	
High-speed steel blade 30° 7mm	SPB-0048		Enter the gapped value by positive value.	
Titanium-coated, 30°	SPB-0047	cutting direction	By adjusting as above, the horizontal lines overlap at the end point.	
Carbide, 45°	SPB-0046	1		
High-speed steel blade 45°	SPB-0044			
Titanium-coated, 45°	SPB-0008	cutting direction		

Blade used	Product Code	Shape	Adjusted eccentricity value and Test cut pattern	Cutting direction with line separated (@P.4-20)
Carbide, 2°	SPB-0064	cutting direction	End point Start Start point Start St	In to out (No uncut part because the blade top comes to the end point.)

4

4-26

CHAPTER 5 Advanced operations-from Plot Screen



This section describes the convenient usage from Plot screen. To display Plot screen, click [Plot] button in the FineCut menu.

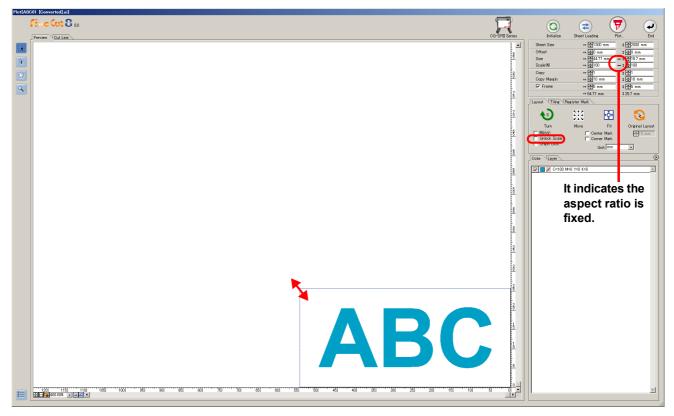


Scaling an Object	. 5-2
Cutting an Object Multiple Times (Copy)	. 5-4
Dividing and Cutting an Object (Tiling)	. 5-6
Positioning Mark	. 5-8
Cutting an Object on Each Color	5-10
Cutting an Object on Each Layer	5-12
Setting the Output Order/Tool on Each Color/Layer	5-14
Setting Output Condition on Each Color /Layer	5-16
Making Effective Use of Sheet	5-19
Setting Connection to the Plotter	5-21
Setting Head Position after Plotting	5-22
Checking the Cutting Process by Preview	5-24

Scaling an Object

Scaling an object with a fixed aspect ratio

Click to uncheck [Unlock Scale] on the Layout tab. Scale an object as dragging a corner of the object.

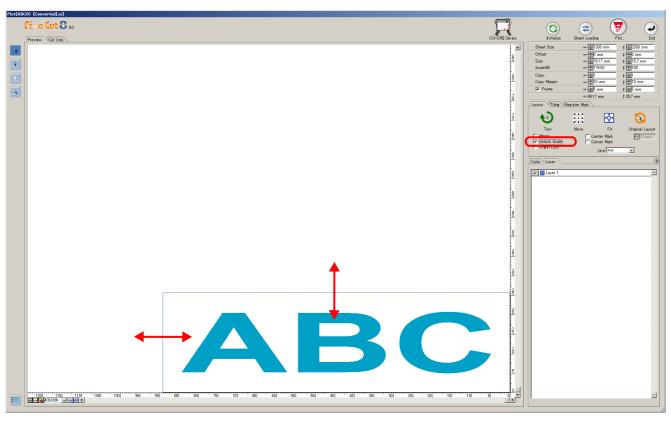


Scaling only width or length of an object

Check [Unlock Scale] on the Layout tab.

掌

Scale an object as dragging the left or right corner or the top or bottom corner of the object.



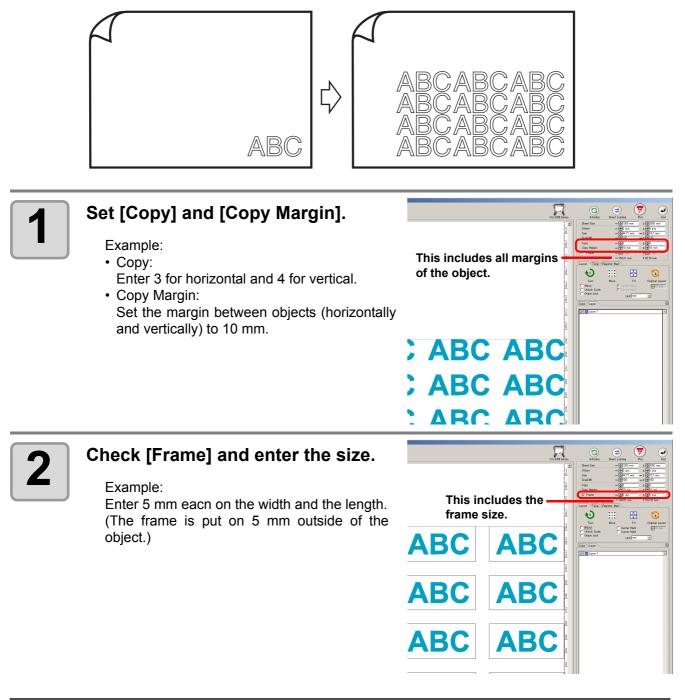
- To scale an object with the aspect ratio retained, check [Unlock Scale], and then drag the
 object as holding down the Shift key of the keyboard.
- To scale an object with the changed aspect ratio retained, change the width and length separately, and then uncheck [Unlock Scale].

To scale an object more precisely, enter the values on the [Size] and the [Scale].

Sheet Siz	20 ↔ 📥 635	imm 🗘 🌩 810 i	mm
Offset	↔ ‡ 0 m	m 🗘 🖨 0 mn	
Size	↔ 🗘 333	.2 mm — ‡ 🚔 115.9	53 mm
Scale(%)) ↔ 争100) — \$ ÷ 100)
Сору	↔ 📮1	\$ 🜩 1	
Сору Сору Ма	↔ <mark>‡</mark> 1 rgin ↔ ‡10 r		m
	⇔ <mark>*</mark> 1 rgin ⇔ *10r ⇔ *5m	mm ‡ ‡ 10 m	

Cutting an Object Multiple Times (Copy)

To cut an object multiple times vertically and horizontally, use Copy. The following example shows how to cut ABC on A3-sized sheet.



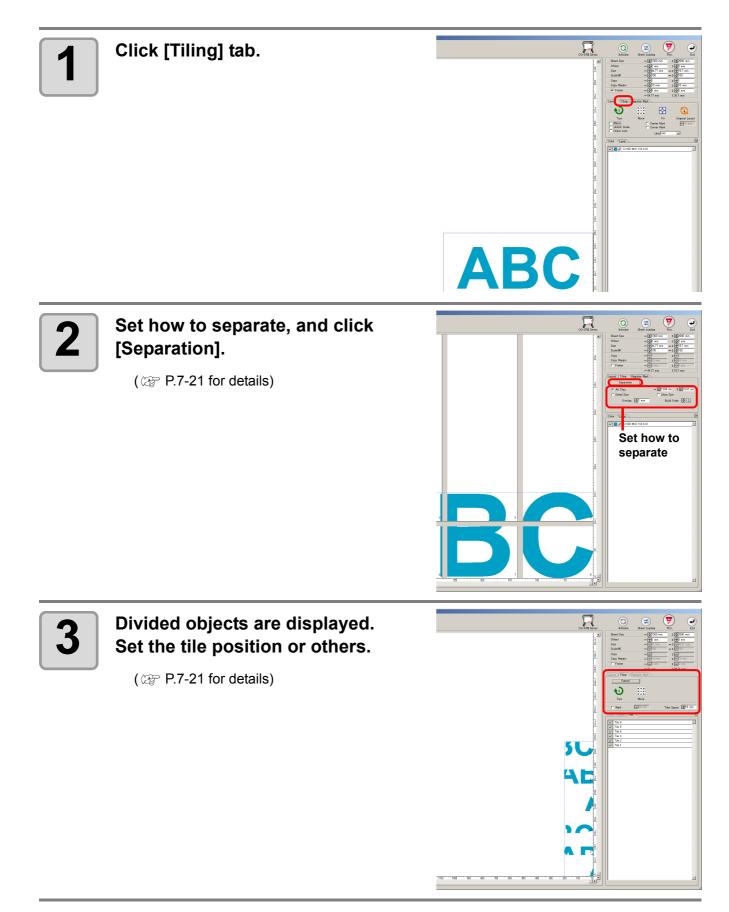
Important!	•	When Frame is set, the frame is created for each object. You cannot enclose all the copied
		objects with a single frame.
		When ICE3 series (M-Head) is selected on Plotter / User Setup screen, note the followings

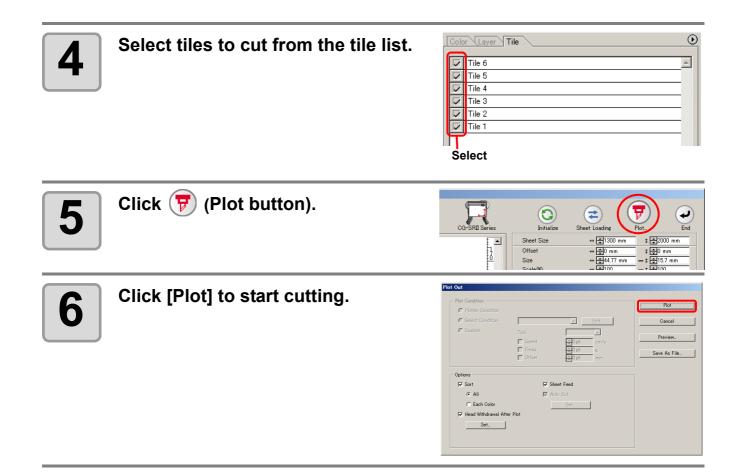
 When [CF3 series (M-Head)] is selected on Plotter / User Setup screen, note the followings. Set [Copy Margin] to 10 mm or more. Frame cannot be created.

3	Click 큣 (Plot button).	CG-SRII Series	Initialize Sheet Loading Sheet Size ↔ 🛃 300 mm Offset ↔ 🛃 00 mm Size ↔ 🔄 45 00	Plot End 1 2000 mm - 2010 mm
4	Click [Plot] to start cutting.	Plat Out Plat Condition Plat Condition Plat Condition Plate Condition Costom Outcom Plat Condition Costom	Tool Speed Prose Offert Sheet Feed Fao Cur.	Cancel Creview. Save As File.
		C Each Color	Set	

Dividing and Cutting an Object (Tiling)

To create an object larger than the sheet width (signboard, etc.), divide and cut the object with Tiling. In this section, each divided object is called "Tile".





Positioning Mark

(Important!)

• When [CF3 series (M-Head)] is selected on Plotter / User Setup screen, this function cannot be used.

To affix cut stickers to the expected position, mark an object frame.

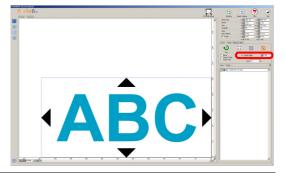
Center mark



Set the center mark.

Check [Center Mark] in [Layout] tab, and enter the mark size.

Then set others, print, and cut the object.

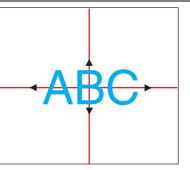




Attach the cut seal.

(1)Determine the center of the sticker and draw ruled lines.

(2)Align the center marks with the ruled lines; Enables the sticker to affix to the expected position.



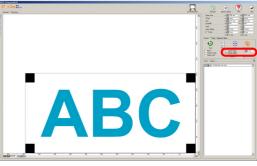
Corner mark

1

Set the corner mark.

Check [Corner Mark] in [Layout] tab, and enter the mark size.

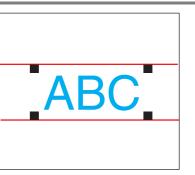
Then set others, print, and cut the object.





Attach the cut seal.

(1)Draw ruled lines.(2)Align the corner marks with the ruled lines; Enables the stickers to affix horizontally.



Cutting an Object on Each Color

If an object consists of multiple colors on Illustrator, you can cut out the specified color object. This describes how to cut out the Cyan (C=100%) colored object "ABC" of the following example.

C=100% DIC=80p



Click [Plot] button in the FineCut menu.





Uncheck the color set (DIC 80p) of "DEF" on the example above.

The object "DEF" disappears from the cutting area.

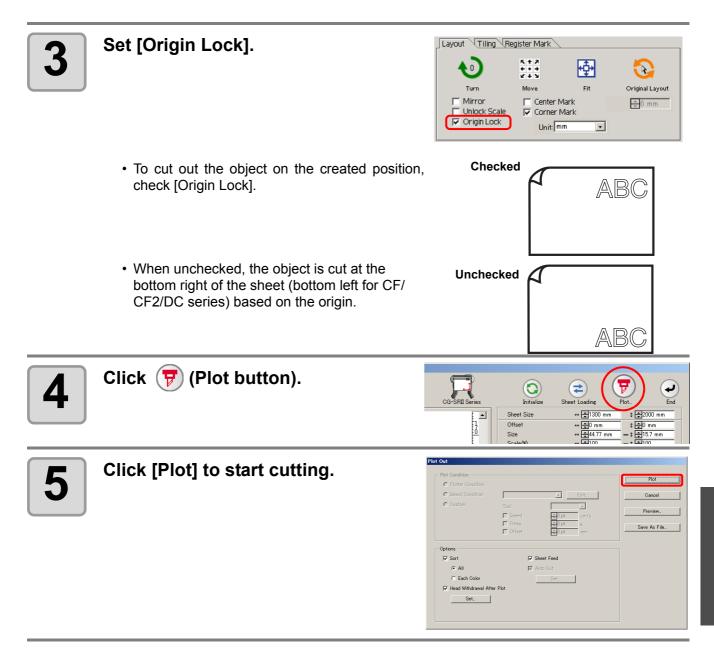
	•
🔽 🗖 🗹 C=100 M=0 Y=0 K=0	A
PANTONE 186 U	
	T
1	



Color List

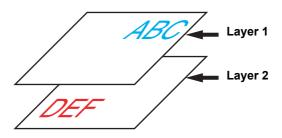
The color list displays all colors (including PANTONE and other special colors) used for the object. It also displays the colors of fill and strokes of the object. To specify the output condition, click the **()** button on the upper right of the list.

Color	Λį	Layer (D
	1	C=100 M=0 Y=0 K=0	I
	2	PANTONE 186 U	
	С	lick to display the stroke color inform	ation.
Click to display the fill color information.			
		T	1



Cutting an Object on Each Layer

If an object consists of multiple layers on Illustrator, you can cut out the object on the specified layer. This describes how to cut out "ABC" on the layer 1 of the following example.

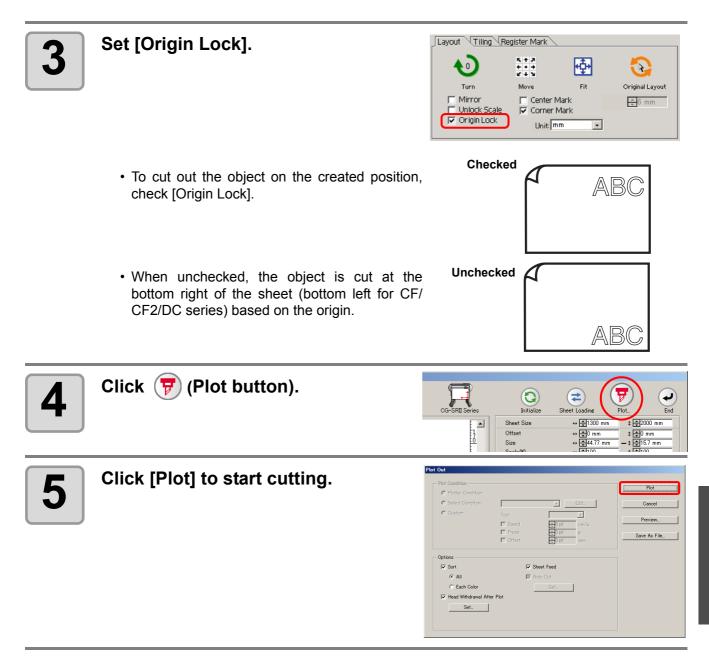




Click [Plot] button in the FineCut menu.







-1

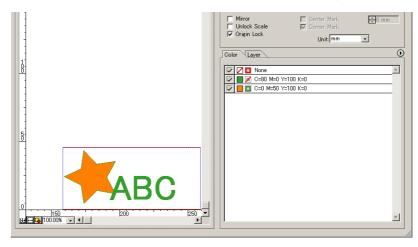
Setting the Output Order/Tool on Each Color/Layer

By specifying output order or the tool by color or layer, objects can be cut more smoothly and finely according to the tool characteristic or cutting shapes.

By specifying the tool by color or layer, the order of the several tools' operation can also be set.

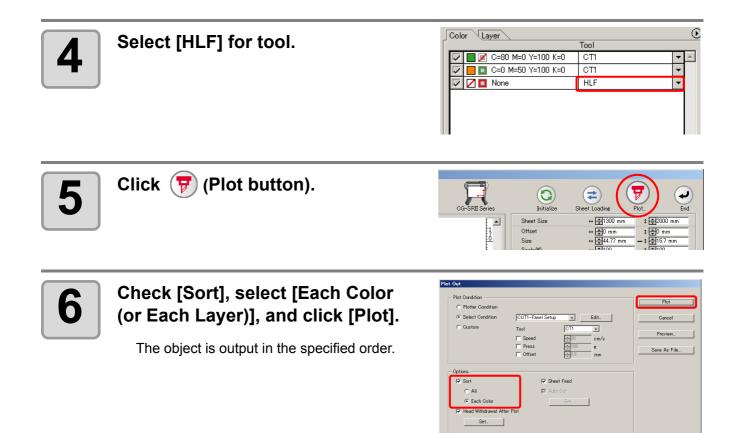
Objects are normally output in order, from the bottom to the top of the color/ layer list.

This describes how to cut the red frame first with the tool [HLF] of the following example.





2	Drag the red in the color list to the bottom.	Color Layer C=80 M=0 Y=100 K=0 C=0 M=50 Y=100 K=0 C=0 M=50 Y=100 K=0 Image: None
3	Click the upper right button of the list and select [Specify The Tool On Each Color (or Layer)].	Color Layer Image: C=0 M=50 Select All Colors Image: Deselect All Colors Deselect All Colors Image: Deselect All Colors Specify The Plot Condition On Each Color Image: Deselect All Colors Specify The Plot Condition On Each Color Image: Deselect All Colors Specify The Tool On Each Color Image: Deselect All Colors Specify The Tool On Each Color Image: Deselect All Colors Edit Plot Condition

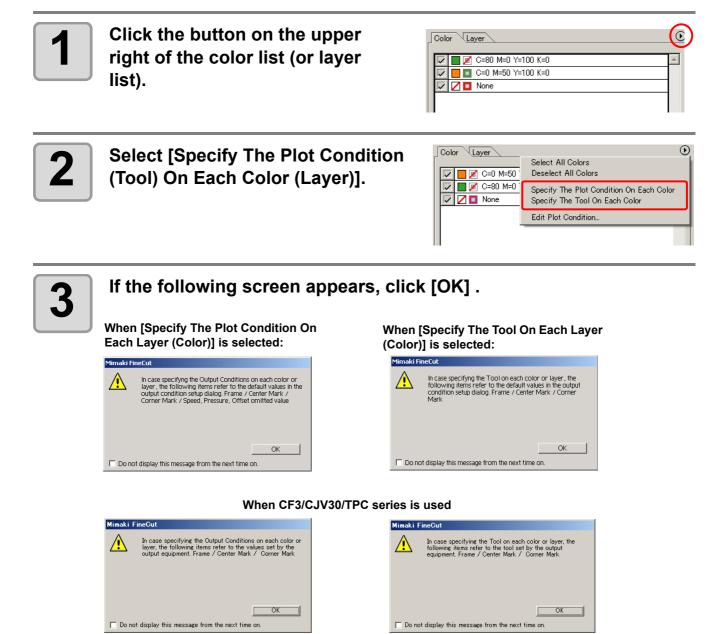


Setting Output Condition on Each Color /Layer

Output condition can be set on each color or layer.

For a fine object or small characters, create an object on each color or layer, and set the appropriate output condition (lowering cutting speed, etc.) for each. The objects can be cut finely.

In CF/CF2/DC/CF3 series, you can cut and make a ruled line at one time by specifying tools on each color or layer.

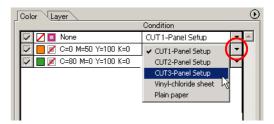


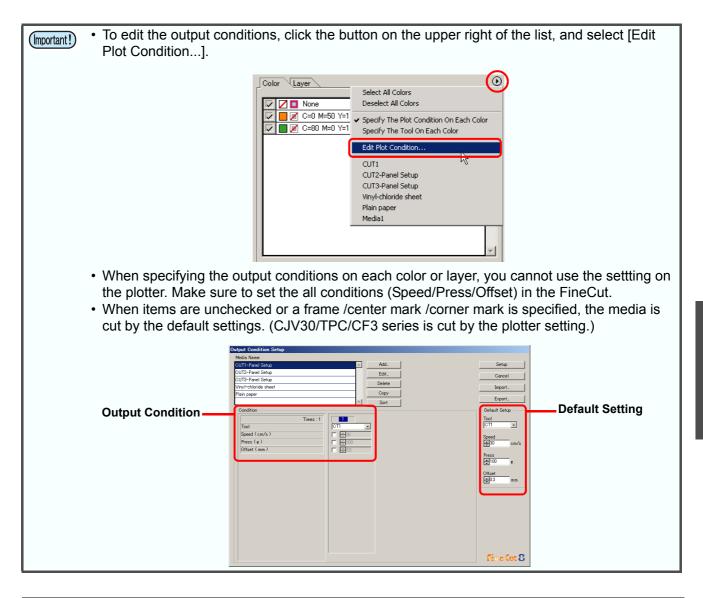


Set the output condition.

Click the button on the right of the condition, and select from the set condition.

When [Specify The Plot Condition On Each Color] is selected:

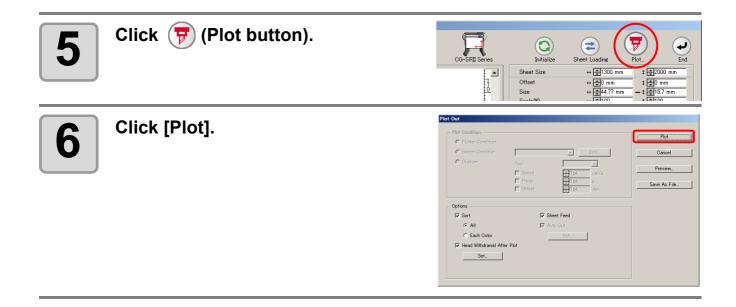




5-17

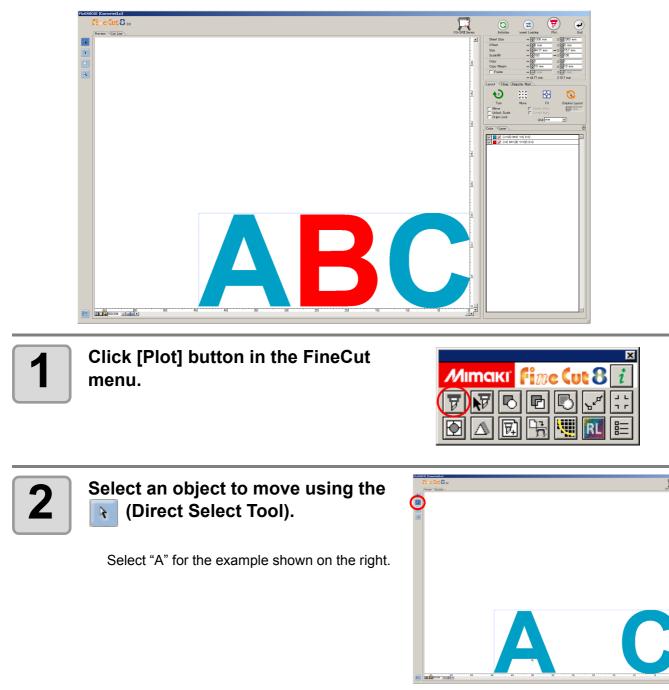
-

Advanced operations-from Plot Screen



Making Effective Use of Sheet

When cutting ABC with different colors each by color as the example below, if A and C are cut, the space of B becomes blank as B has different color. Move the cutting object to the blank part to cut without wasting blank.

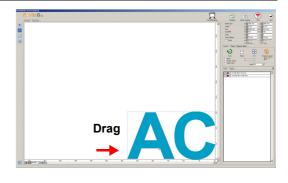


5



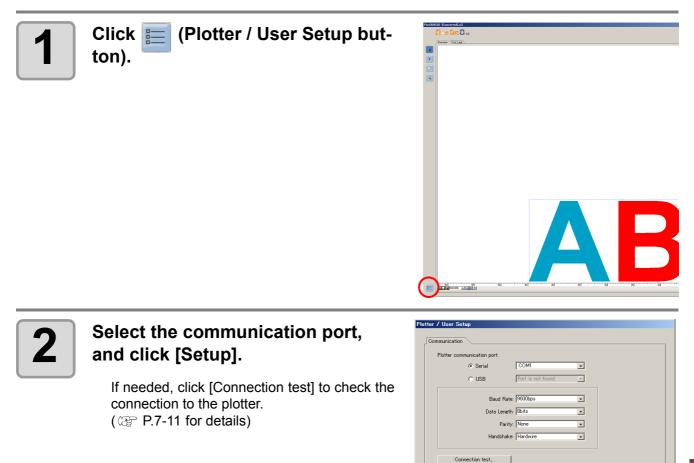
Drag the selected object to the desired position.

To replace the object to the original position, click 💫 (Original Layout button).



Setting Connection to the Plotter

The connection to the plotter can be checked or set on the Plot screen.

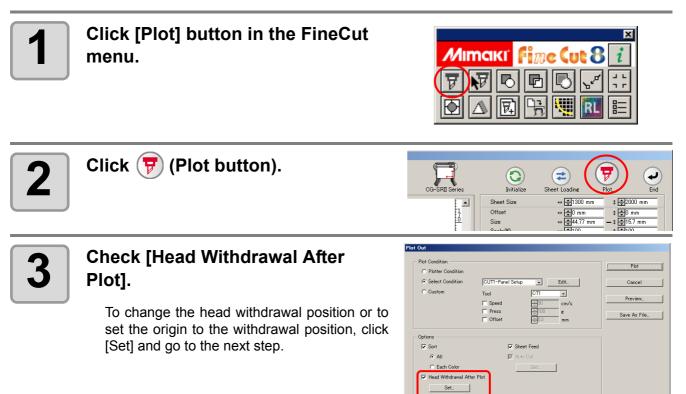


MIMCIKI Fine (ut 8 🐽

Cancel Setup

Setting Head Position after Plotting

You can set the head position after plotting.



4

Change the setting on Head Withdrawal Position screen.

After setting, click [Setup].

Head Withdrawal Po	osition		
↔ Current Origin		• +	‡ 50 mm
		+	‡ 10 mm
│ Sheet Feed Orig (Only MGL-IIc of	in Renewal CG/CJV30/TPC :	series)	
	Cancel		Setup

ltem	Description
\leftrightarrow	Set the head withdrawal position for the horizontal direction from the reference position (Select [Current Origin] or [Max Cut Width]).
\$	Set the head withdrawal position for the length direction from the reference position (Select [Current Origin] or [Max Cut Length]).
Sheet Feed Origin Renewal	Set the head withdrawal position as the origin position. (Effective only for the MGL-IIc commands on CG/ CJV30 series and TPC.) Check this to prevent from cutting on the same position with the previous cut when plotting continuously with the same sheet.

(mportant!) • When using [No. COPIES] or [DIVISION CUT] of the plotter, uncheck the [Sheet Feed Origin Renewal].

If checked, [No. COPIES] or [DIVISION CUT] will not perform normally.



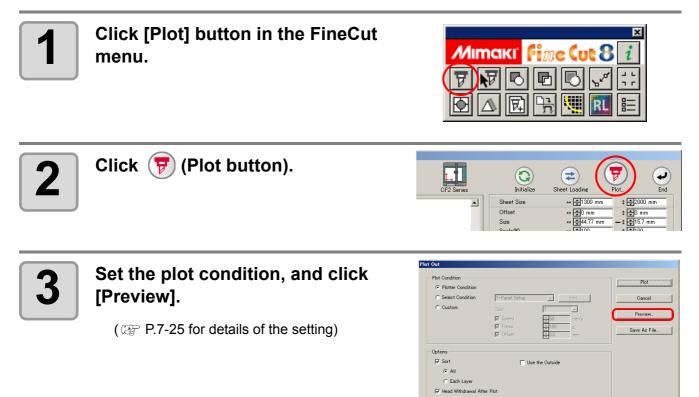
Click [Plot].

Plotting starts. The plotter head moves to the specified position after plotting.

C Plotter Condition			Plot
 Select Condition 	CUT1-Panel Setup	Edit	Cancel
C Custom	Speed	00 cm/s	Preview
	Press Offset	100 e 10.3 mm	Save As File.
 All 	🔽 Auto Gut		
Sort	Sheet Fe		
C Each Color		et	
🔽 Head Withdrawal Aft	er Plot		
Set			

Checking the Cutting Process by Preview

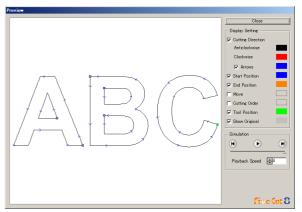
Before cutting objects, you can check the plotting process with your settings by the preview.



Set..



Check the cutting line on the preview.



- To change the color of [Display Setting], click the color on the right of each setting.
- When copy or cutting with mark separation is set, the preview displays the object without copy or cutting with mark separation.

ltem	Description
Cutting Direction	Shows black line for cutting in anticlockwise, and red line for cutting in clockwise.Checking [Arrows], cutting direction shows with arrows.For an open path, both directions display in black.
Start Position	Shows the starting point of cutting in blue.
End Position	Shows the ending point of cutting in orange.
Move	Shows the moving line raising the tool in yellow.
Cutting Order	Shows the numbers of cutting order.
Tool Position	Shows the tool (head) position in green. Displaying simula- tion, you can check the moving of the tool.
Show Original	Shows the Illustrator object that was read by FineCut and processed on Plot screen in the state before cutting.

5

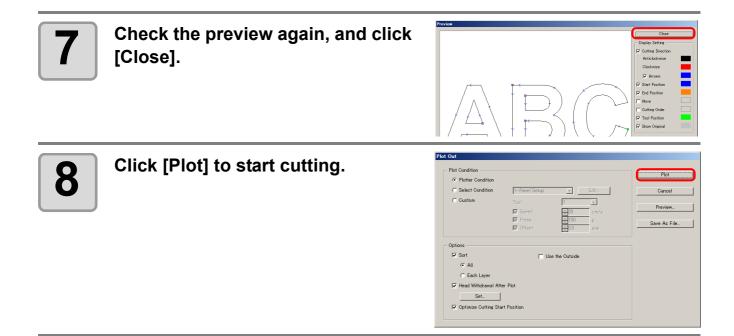
Click in [Simulation] and check the moves of cutting.

To return to the state before cutting, click (). To go to the state after cutting, click (). The slide bar shows the simulation from any position you like. To set the speed of the simulation, set [Playback Speed].



If needed, go back to Step 1 to Step 6 and adjust the plot condition.

- For CF/CF2/DC/CF3 series, you can check the starting position of cutting on the preview. To adjust it, go to [Specify Cutting Start Position] (P.6-4) or [Optimize Cutting Start Position] of Plot Out screen. (P.7-25) You can also check the separation position of line separation on the preview.
- For CF3 series (M-Head), you can check the following settings on the preview. Cutting start position: Adjust on [Specify Cutting Start Position] (@ P.6-4), [Optimize Cutting Start Position] or [Adjust start / end] of Plot Out screen. (@ P.7-25)
 Offset direction: Adjust on [Options] of Plot Out screen. (@ P.7-25)
 Position of cutting line / Cutting direction: Adjust on [End Mill Diameter] of Output Condition Setup screen. (@ P.7-8)



CHAPTER 6

Advanced operations-others



This section describes other convenient usage.

Editting the Line	6-2
Setting Cutting Start Position	6-4
Cutting with CF3 Series (M-Head)	6-6

Editting the Line

The outline created by Outline Extraction ($\textcircled{\sc P.4-12}$) can be modified or changed.



Open an image created by Outline Extraction on Illustrator.

If necessary, enlarge the line to be edited with the zoom tool of Illustrator.



Click [LineEdit] button on Illustrator Tool Palette.

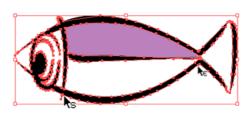
The line edit tool appears. (2 P.7-35)



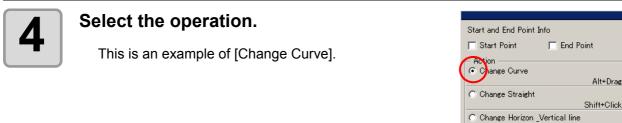
		X
- Shi		Start and End Point Info
k k.		🗖 Start Point 📄 End Point
× R		Action
♦ T		C Change Curve Alt+Drag
\searrow		C Change Straight
1 2.		Shift+Click
<u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		C Change Horizon _Vertical line
(e) NI		Alt+Shift+Click
°°, 111,	\mathcal{N}	Alt+Click
	┓╱	C Move Point and Line
1.3	r	Drag
7. 7.		Click
**		C Movement in direction line A
ena		Drag
		Alt+Drag
		• Use Shortcut Key
		The angle moves in 45 degrees increments, while hold down the Shift key and drag.
		fine (ut 8

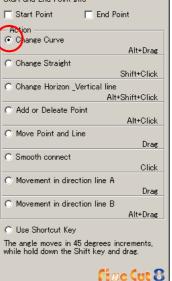


Specify the start point and the end point.



Start Point	Move the cursor close to the anchor point to show "S". Click the anchor point to set the start point.
End Point	After setting the start point, move the cursor close to the anchor point to show "E". Click the anchor point to set the end point.



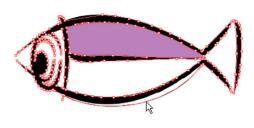


• Check [Use Shortcut Key] to edit with keys shown on the right of each operation. Use Alt key for Windows and Option key for Macintosh respectively.



Drag the line to curve.

The line is fixed when the mouse button is up.



h

Setting Cutting Start Position

The start position of cutting an object can be specified.

By specifying the start position of cutting according to the object, the object can be cut finely.



Convert a target object into a simple path using [Expand] or [Expand Appearance] of Illustrator.

For characters, execute [Create Outlines].



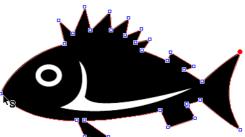
Click [Specify Cutting Start Position] button on Illustrator Tool Palette.



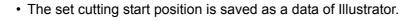


Specify the cutting start position.

The current cutting start position is displayed in red. Click a target anchor point to change the start point. The set anchor point turns red.









Click [Plot] button in the FineCut menu.









6

(For CF/CF2/DC/CF3 series) Uncheck [Optimize Cutting Start Position] and click [Plot].

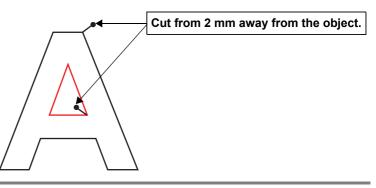
If [Optimize Cutting Start Position] is checked, the cutting start position set before becomes invalid.

Acryl	: (Sumitomo Chem. 💌 🛛 Edit	Plot
		Preview Save As File
Options		
🔽 Sort	🕅 Use the Outside	
 All 	🔽 Adjust start / end	
C Each Color	I Joint Setting	
✓ Head Withdrawal After Plot	Joint 🚑1 pcs	
	Length 🚔 mm	
Set		



• (For CF3 Series (M-Head) only)

If [Adjust start / end] is checked on the screen above, the object is cut from 2 mm away from the object. (If the outside is not used, use this function to cut the start / end position finely.



Cutting with CF3 Series (M-Head)

The way of cutting can be set.



Set Z axis origin to a plotter.

For details, refer to the operation manual of the plotter.



Click [Plot] button in the FineCut menu.











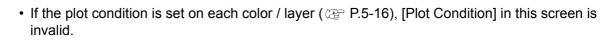
掌

Select [Plot Condition].

Select the plot condition set in FineCut. Click [Edit...] to add media or to set cutting condition by each media.

In the cutting condition, set the condition for using endmill such as work thickness or cutting depth. (@ P.7-5)

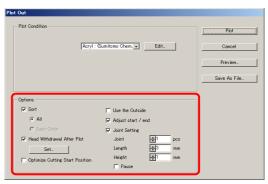
t Out		
- Plot Condition	(Sumitomo Chem Edit	Cancel
		Save As File.
Options		
🔽 Sort	🔲 Use the Outside	
 All 	✓ Adjust start / end	
C Each Color	🔽 Joint Setting	
🔽 Head Withdrawal After Plot	Joint 📫 pcs	
Set.,	Length + 3 mm	
Optimize Cutting Start Position	Height 👘 mm	
proprimes curting start rustion	Pause	





Set [Options].

In addition to the cutting condition of the previous step, set options according to the media and the object shape to cut finely.



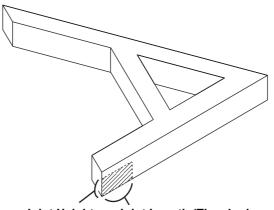
Item	Description
(0	\mathbb{F} P.7-25 for the setting other than below)
Optimize Cutting Start Position	 Optimizes the start position of cutting to finish finely. If unchecked, cutting starts from the position that the data started to draw or the position specified by [Specify Cutting Start Position]. After setting, be sure to check the start position of cutting on the preview. With optimizing, the start position might be placed out of the object. If the cutting line goes over the next object, space among objects on Illustrator.
Use the Outside	Cuts out inside of the object to use the outside. If checked, the part to leave is set and the offset direction is determined. Furthermore, cutting direction is optimized to finish cutting surface finely.
Adjust start / end	An object is cut from 2 mm away from the object. (If the outside is not used, use this function to cut start / end position finely.

lte	m	Description
Joint Setting	3	Leaves a part of the cutting line, and cuts it last. It prevents the work from misaligning and makes the cutting surface fine. Small or heavy media tends to misalign while cutting. To cut it
		finely, withdraw the head, fix the media with tape, and then cut the ending point.
	Joint	Set the number of joint (places to leave). It places the parts to leave for joint on the cutting line evenly. As the places of the parts to leave varies from the joint length, check it on the preview.
	Length	Set the media length to leave.
	Height	Set the media thickness to leave.
	Pause	Leaves the ending point and withdraws the head temporarily.

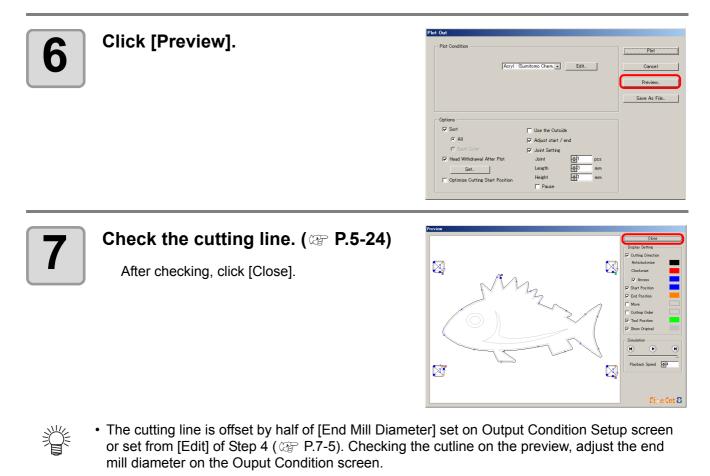


Joint Setting

- After setting [Joint Setting], test the cutting.
- If multiple cutting and [Cutting Depth] is set on Output Condition Setup screen (P.7-5), and when the cutting depth is deeper than [Height] in Plot Out screen, Joint Setting is invalid.
- If the number of cutting is set to multiple on Output Condition Setup screen, the jointed part is cut the times controlled by Joint Setting.
- If plural numbers are set on [Joint], you can cut a large shape, deflected media or the like without misaligning.
- With the deflection of media, some part of the media could be lifted. To cut such a media finely, put an extra height on [Height].



Joint Height Joint Length (The shadow area is the part to leave)



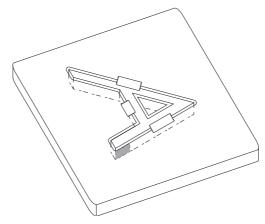


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Edit	Cancel Preview Save As Fil
	Save As Fil
	dave As Pli
‡1 pcs	
‡3 mm	
‡1 mm	
	‡ 3 mm

 When [Pause] is selected on [Joint Setting] of Plot Out screen, cutting stops and the head is withdrawn.

Put tapes on the media to fix, and press [REMOTE] button of the plotter. Then the jointed part is cut.



CHAPTER 7 Description of Functions



This section describes the functions of FineCut.

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FineCut Menu

How to display FineCut menu

Display and select the FineCut menu from the following menus on Illustrator.

From [Window] menu of Illustrator

Click [Show FineCut menu] ([Mimaki FineCut] for Illustrator 10 or later) to display the screen below. Click the button on the screen to start each menu.



From [File] menu of Illustrator

Click [FineCut] and click each menu.

👹 Adobe Illustrator	
<u>Eile</u> <u>E</u> dit <u>O</u> bject <u>Type</u> <u>Select</u> Fi	<u>I</u> ter Effe <u>c</u> t ⊻iew <u>W</u> indow <u>H</u> elp
New Ctrl+N New from <u>T</u> emplate Shift+Ctrl+N Open Ctrl+O Open Recent <u>F</u> iles ▶	3w)
Olose Otrl+W Save A Ctrl+S Save As Shitt+Ctrl+S Save a Copy Alt+Ctrl+S Save as Template Save for Web Save for Weston Alt+Shitt+Ctrl+S Regert F12	
Place Save for Microsoft Office Export	
FineOut Scripts	About FineCut
Document Setup Alt+Ctrl+P	Plot Alt+Ctrl+F Plot Selected Path
Document Color Mode	
File Info	Plotter / User Setup
File Info_ Versions_	Recognize Stroke Weight And Overlap
File Info_ Versions Print Ctrl+P	Recognize Stroke Weight And Overlap Trapping Frame Extraction
File Info Versions	Recognize Stroke Weight And Overlap Trapping
File Info_ Versions Print Ctrl+P	Recognize Stroke Weight And Overlap Trapping Frame Extraction
File Info_ Versions Print Ctrl+P	Recognize Stroke Weight And Overlap Trapping Frame Extraction Join Path
File Info_ Versions Print Ctrl+P	Recognize Stroke Weight And Overlap Trapping Frame Extraction Join Path Register Mark Creation Create Weed Line
File Info_ Versions Print Ctrl+P	Recornize Stroke Weight And Overlap Trapping. Frame Extraction Join Path Register Mark Creation Create Weed Line Remove Weed Line Create Shadow / Edge
File Info_ Versions Print Ctrl+P	Recognize Stroke Weight And Overlap Trappine. Frame Extraction Join Path. Register Mark Oreation Oreate Weed Line Remove Shadow / Edge Remove Shadow / Edge Output Plot File

Menu

Button	Menu	Description
F	Plot	Sets the layout or options of an object to plot. (@ P.7-15)
V	Plot Selected Path	Plots only the selected object.
Б	Recognize Stroke Weight and Overlap	Recognizes the stroke weight and overlap of the selected object. (@ P.4-2)
P	Trapping	Traps the selected object. (@ P.4-3)
D	Frame Extraction	Creates a frame for the selected object. (@ P.3-4)
<i>لو</i> م	Join Path	Joins corner points of open paths (The path that the start and the end point is not connected). ($\bigcirc P.4-4$)
J L ק Г	Register Mark Cre- ation	Creates register marks. ((ﷺ P.3-6)
$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	Create Weed Line	Creates a precut line (weed line) around the object to tear off the sticker with ease. ($ P.4-6)$
	Remove Weed Line (in the File menu only)	Removes the created weed line.
\bigtriangleup	Create Shadow / Edge	Creates a shadow / edge on the object. (@ P.4-8)
	Remove Shadow / Edge (in the File menu only)	Removes the created shadow / edge on the object.
民	Import Plot File	Imports a saved plot file. (🍲 P.4-10)
	Output Plot File	Outputs a created plot file to the plotter. (@ P.4-10)
	Outline Extraction	Creates an outline to cut a bitmap image. ((P.4-12)
RL	Output to RasterLink	Sends the set file to RasterLink when using CJV30/ TPC series. (@ P.4-14)
	Plotter / User Setup	Sets the plotter used, communication condition to the plotter, or others. (2 P.7-4)
i	About FineCut	Displays the Operation Manual and the latest information of Fine-Cut. (2 P.7-34)

[Plotter/User Setup] Screen

Set the model or communication conditions to enable communication between FineCut and the plotter. Click []_____ ([Plotter / User Setup] button) in the FineCut menu.

(Important!)

• If the settings set in this screen differs from the settings on the plotter, objects cannot be output normally. Be sure to set the same values as the plotter settings.

Plotter

Set the plotter connected.

Refer to the operation manual of the plotter for details.

Plotter <u>Communication</u>	on Plot Dialog Alert Display Other
Model:	CF2 Series
Command	MGL-IIc
Step Size:	0.025mm
Approximation Type:	Spline
	Output Condition Setup
Mimaki" (inc Cut 8 80 Cancel

Item	Description
Model	Select the plotter model connected.
Command	Select the command set on the plotter.
Step Size	Select the step size set on the plotter.
Approximation Type	Select the approximation type when cutting bezier curves of the object.
[Output Condition Setup]	Set media or tools. (🕼 next page)

(Important!)	 If [Approximation Type] has been changed, adjust the cut conditions again.
	An excessive pressure by some media could damage the cutter.
	 When [CF3 (M-Head)] is selected on [Model], only [Spline] can be selected on
	[Approximation Type].

Output Condition Setup

Common to all models

edia Name: UTI-Panel Setup	Add.	Setup
UTT-Panel Setup UT2-Panel Setup		
UT3-Panel Setup	Edit	Cancel
inyl-chloride sheet	Delete	Import
ain paper	Сору	
	- Sort	Export
Condition		Default Setup
Times : 1 1 Tool		Tool CT1
Speed (cm/s)		
Press (g)		Speed \$30 cm/s
Offset (mm)		Chr/s
		Press
		±100 ε
		Offset
		‡ 0.3 mm
		fine (ut 8

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- When CF3/CJV30/TPC series is selected, [Default Setup] is not displayed.

Itom	Description
Item	Description
Media Name	Displays the created media names (output condition).
Condition	Display /change the output condition. Select media from [Media Name] to display the output condition. Displayed items vary depending on the selected model. (Provide the selected model.
[Add]	Add the media name.
[Edit]	Change the media name. Select media from [Media Name], and click [Edit].
[Delete]	Delete the media name. Select media from [Media Name], and click [Delete].
[Copy]	Copy the media name. Select media from [Media Name], and click [Copy].
[Sort]	Sort the media name in ascending order.
[Import]	Import the saved media name (output condition) files. To plot with the same condition in a different environment, click [Import] and load the saved file.
[Export]	Save the all media names (output condition) to a file.
Default Setup	When output condition is set by color/layer (P.5-16), set output conditions (Tool / Speed / Press / Offset) for frame or mark that cannot be set by color/ layer.

When CG/CJV30/TPC series is selected



- When setting output condition for each color/layer, default setting (for CG series) or the plotter setting (for CJV30 series /TPC) is valid for unchecked items on the screen below.
- For the details of each item, refer to the operation manual of the plotter.

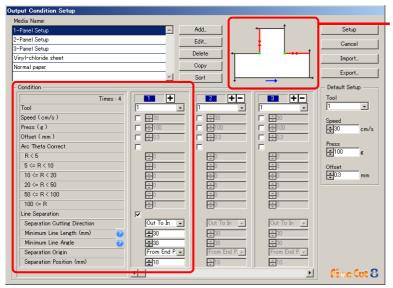
Output Condition Setup		
Media Name:		
CUT1-Panel Setup	Add	Setup
CUT2-Panel Setup	Edit	Cancel
CUT3-Panel Setup	Delete	
Vinyl-chloride sheet	Copy	Import
Plain paper	Sort	Export
Condition Times :1 Tool Speed (cm/s) Press (g) Offset (mm)	×	Default Setup Tool CTT V Speed Tool Cm/s Press Press Offset Tool Cm 8

Item	Description	Default
Times	Displays the number of cutting. (CG/CJV30/TPC series always displays "1".)	
ΤοοΙ	Select the tool to be used. (CJV30 / TPC series does not have CT4 / CT5 / PIN.)	CT1
Speed	Set cutting speed per second.	30
Press	Set cutting pressure.	100
Offset	Set the length from the center of the cutter holder to the blade edge. (It differs depending on the blade type set on the plotter.)	0.3

When CF/CF2/DC/CF3 (except M-Head) is selected



- When setting output condition for each color/layer, default setting (for CF/CF2/DC series) or the plotter setting (for CF3 series (except M-Head)) is valid for unchecked items on the screen below.
- For the details of each item, refer to the operation manual of the plotter.



Check [Separation Cutting Direction] and [Separation Position] changing from the [Separation Origin].

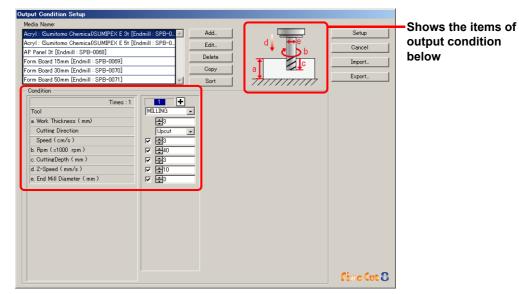
(Displays only when [Line Separation] is selected.)

	Item Description		Default
		Display or set the number of cutting. To cut hard or thick media, set cutting times/speed/pres- sure multiple times for a single cut line. Click	1
	ΤοοΙ	Select the tool to be used. Select the tool number or the tool name set on the plotter.If the unset tool is selected, an error displays on the plotter. Select the correct tool.	1
	Speed	Set cutting speed per second.	30
	Press	Set the pressure to cut.	100
	Offset	Set the length from the center of cutter holder to the blade edge.	0.3
Arc Theta Correct		Adjust the misalignment of origin /end point of the cutting arc.	unchecked
Line Sepa-	Line Separation	Check this when cutting with lines separated.	unchecked
ration (ጬ P.4-20)	Separation Cutting Direction	Select cutting direction of the separated line.	Out To In
	Minimum Line Length	Set the minimum length of the line to be separated. Click [?] to display descriptions of this item.	30
	Minimum Line Angle	Set the minimum angle of the line to be separated. Click [?] to display descriptions of this item.	30
	Separation Origin	Set the origin position of the line to be separated.	From End Point
	Separation Position	Specify the separating position with the distance from [Separation Origin].	10
		Move to previous / next page. It displays when the number of cutting is more than 4 times.	

When CF3 series (M-Head) is selected



- For unchecked items, default setting is valid.
- For the details of each item, refer to the operation manual of the plotter.



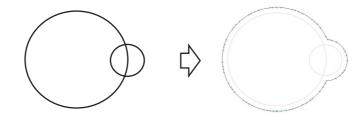
	Item	Description	Default
	Times	 Display or set the number of cutting. To cut hard or thick media, set cutting times/speed/pressure multiple times for a single cut line. Click to increase the number of cutting. Set the output condition for each cutting. Click to decrease the number of cutting. 	1
	ΤοοΙ	Displays [MILLING].	
а	Work Thickness	Set the thickness of work (media) (50mm maximum). You can set only on the first column of the cutting condition set- ting field.	3
	Cutting Direction	Select cutting direction. Changing cutting direction, the finish of the cut face may improve. Cut for test with the target media first, and check the finishing. • Up-Cut Cuts the left side of the end mill direction as a work. • Down-Cut Cuts the right side of the end mill direction as a work. • Down-Cut Up-Cut Up-Cut Down-Cut	Upcut
	Speed	Set the speed of the end mill to move in the direction of travel.	3

	Item	Description	Default
b	Rpm	Set the spin times of end mill. Set the number to time 1000rpm, the base number.	30x1000
С	Cutting Depth	Set the origin position of Z axis (Length from the surface of the work to the edge of the end mill).	3
d	Z-Speed	Set the speed of the end mill to go into the work.	10
e	End Mill Diameter	Set the end mill diameter. Offset value is set half of the set value on this screen. If offset is not necessary, uncheck the box of the first column of the cutting condition setting field.	3
		Move to previous / next page. It displays when the number of cutting is more than 4 times.	

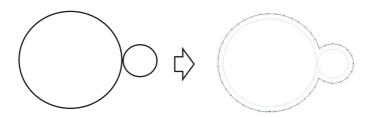
Offset

When CF3 (M-Head) is selected and [End Mill Diameter] is set , the object is offset and cut as follows depending on the object on Illustrator and the setting of FineCut.

- If paths are crossed, periphery is offset.
- The path in the crossed path is not cut.



• If offset objects are touched each other, the objects are united.



• If copy function is used, set [Copy Margin] wide (more than 10mm), not to go one object over the next object.



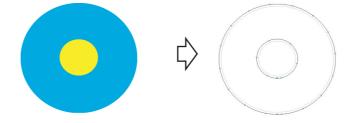
• If one part goes over the other part when offsetting inward, the part over the other part is not cut.



• An open path is not offset.



• If output condition is set on each color /layer, each color /layer is offset.



Communication

Set communication conditions for the plotter connected.

Plotter communication port:		
Serial	COM2	-
O USB	Port is not found	*
Baud	Rate: 9600bps	<u>·</u>
Data Le	ength: 8bits	•
P	Parity: None	•
Hands	hake: Hardwire	
Connection test		

Item	Description	Default
Plotter communication port	Select a port connected to the plotter. When using CG-FX / CG-FXII / CG-75ML / CG-60SR / CG-SRII / CJV30 / TPC / CF3 series, you can select USB connection. Connect the computer to the plotter and turn the power ON. Then select [USB] on this screen, and select the name of connected device.	
Baud Rate	(When [Serial] is selected on [Port]) Select the transfer rate.	9600
Data Length	(When [Serial] is selected on [Port]) Select the number of data bits.	8
Parity	(When [Serial] is selected on [Port]) Select the parity check method.	None
Handshake	(When [Serial] is selected on [Port]) Select the handshake method.	Hardwire
[Connection test]	Test the connection to the plotter.	

Plot Dialog

Set the display of Plot screen and Output to RasterLink screen.

Plotter \Communication \Plot Dialog \Alert Display \Othe	r
Default Sheet Size ↔ 👘 1.3 m ‡ 📥 2	m
Display Type	
C Fit In Sheet Size	
Fit In Sheet Width	
C Fit In Objects Size	
✓ Loading Sheet When Dialog Displays ✓ Plot Only Viewable Paths	
Mimaki [®] fine (ut 8 💩	

Item	Description	Default
Default Sheet Size	When the sheet is not loaded properly, or [Loading Sheet When Dialog Displays] is unchecked, the preview screen is displayed with the size set here.	1.3mx2m
Display Type	Select the display type of Plot screen or [Output to Raster- Link] screen.	Fit In Sheet Width
Loading Sheet When Dialog Dis- plays	The sheet size is automatically loaded and previewed on [Plot] screen.	checked
Plot Only Viewable Paths	Plots only the displayed paths. Undisplayed paths are not plotted.	checked

Alert Display

Stroke W				
	eight Specified			
✓ Other Pat	h That Cannot Be	Plot		
🔽 Register	Mark Recognition			
Votput C	ondition Setup on	each color/layer		

Item	Description	Default
Open Path	The path is not closed. (The start and the end points are not set to the same point.)	checked
Stroke Weight Specified	There is a path that the stroke weight is specified.	checked
Other Path That Cannot Be Plot	The object may be drawn with the Gradient Mesh tool of Illustrator, or the object is a raster image.	checked
Register Mark Recognition	Two-points are corrected at the time of register mark recognition. (CG-EX only)	checked
Output Condition Setup on each color/layer	The output conditions are set on each color or layer.	checked

Select the state to display warnings from the following options.

Other

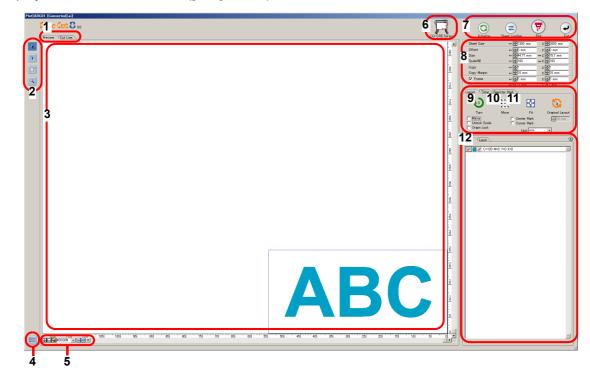
Select whether or not to display "Online information" when Illustrator is started.

Plotter / User Setup
Plotter Communication Plot Dialog Alert Display Other
G Check the FineCut information when Illustrator started.

Item	Description	Default
Check the FineCut information when Illustrator started.	FineCut information is obtained when starting Illustrator, and if there is a new / unchecked information, the online information is displayed.	checked

[Plot] Screen

Set for plotting. To display this screen, click 7 ([Plot] button) in the FineCut menu.



1 Screen Display Mode

Click the tab to switch the display mode.

Item	Description
Preview	Displays an object with colors.
Cut Line	Displays an object with paths (outline). It is effective to confirm a white object or a cutting-line.

2 Tool Box

Move or enlarge/reduce the object.

Button	ltem	Description
*	Select Tool	Move a whole object displayed. Or move the division line of tiling.
4	Direct Select Tool	Select and move the part of an object. Moving the object to a blank position of the sheet, you can use the sheet without waste. (@ P.5-19)
	Move Preview Area Tool	Change the object display area.
٩	Zoom Tool	Enlarge or reduce the layout area. Click on the cutting area (white area) to enlarge the view. To reduce the view, click on the layout area as pressing down the [Alt] key (Windows) or [Option] key (Macintosh).

3 Layout Area

The white area is the effective cutting area loaded from the sheet.

It displays the sheet width along the horizontal axis and the sheet length along the vertical axis. When the object is larger than the cutting area, the mark appears to the left of Plot button. Click mark to display the contents of the error.

4 Communication setting

Displays the communication setting. (2 P.7-11)

5 Zoom Size

Change the zoom size displayed on the layout area.

Button	ltem	Description
- 1	Fit In Sheet Size	Displays the entire sheet.
⊷ +	Fit In Sheet Width	Enlarges the sheet width to full screen.
-	Fit In Objects Size	Enlarges the entire object to full screen.
100.00% 💌	%	Change the display size by selecting or entering number. (0.2 to 6400 %)
	zoom out / zoom in	Zooms in and out the preview.

6 Plotter Name

Displays the plotter name being selected and its cutting direction.

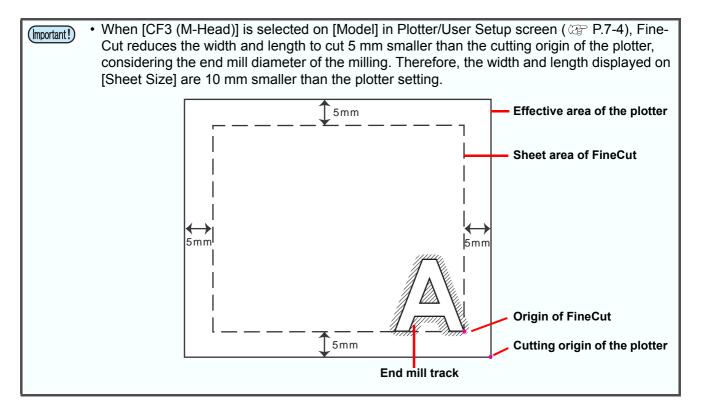
7 Execution Button

Button	Item	Description
٢	Initialize	Initializes the layout of the changed object.
*	Sheet Loading	Loads the sheet size set on the plotter. When \bigwedge mark appears on the left of this button, the sheet size of the plotter cannot be loaded. Set the plotter to the REMOTE mode and click this button.
7	Plot	Displays Plot Out screen. (@ P.7-25) When Amark appears on the left of this button, the object is larger than the cutting area. Move the object or change the size of the object to fit into the cutting area.
F	End	Closes the Plot screen.

8 Size input area

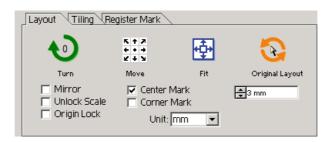
Sheet Size	↔ 뢎 635 mm	\$ = 810 mm	
Offset	⇔ 争0 mm	\$ ‡ 0 mm	
Size	↔ 뢎 333.2 mm	- \$ 115.53 mm	
Scale(%)	⇔ 륒100	- \$ 100	
Сору	↔ 争1	\$ 1	
Copy Margin	⇔ ‡ 10 mm	‡ ‡ 10 mm	
🔽 Frame	⇔ 뢎5 mm	\$ 븆 5 mm	
	↔ 343.2 mm	\$ 125.53 mm	— Total Lengt

Item	Description	Default
Sheet Size	Click (Sheet Loading button) to display the loaded sheet size (width and length). Alternatively, enter the sheet size (width and length of the cutting area).	



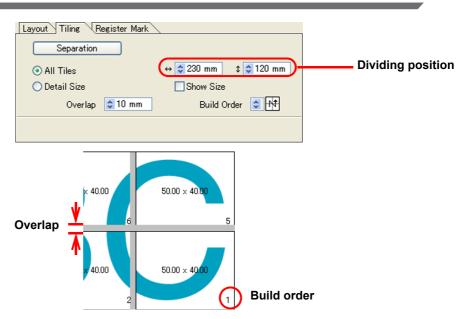
ltem	Description	Default
Offset	Sets the origin position. The origin is set at the bottom right corner (CG/CJV30/ TPC/CF3 series) or the bottom left corner (CF/CF2/DC series) of the layout area. The default origin is at 0 mm (both vertically and horizontally) of the layout area.	0
	CG/CJV30/TPC/CF3 series CF/CF2/DC series	
Size	Sets the vertical and horizontal lengths of an object. When the "-" mark is shown between [vertical] and [horizontal] length column, the aspect ratio is retained after changing either length. To change the vertical and horizontal lengths separately, check the [Unlock Scale] on the [Layout] screen below.	
Scale (ੴ P.5-2)	Sets the magnification of the vertical and horizontal lengths. When the " - " mark is shown between [vertical] and [hori- zontal] column, the aspect ratio is retained after changing either value. To change the vertical and horizontal magnification sepa- rately, check the [Unlock Scale].	
Сору (🖙 Р.5-4)	Enter the number of copies along the vertical and horizon- tal directions.	1
Copy Margin (@ P.5-4)	Set the margin between objects along the vertical and hor- izontal directions.	10mm
Frame	 Makes and cuts a frame around the target object. In addition, set the distance between the object and the frame. It enables to peel an unnecessary part of the sticker easily. With the center mark and the corner mark (P.5-8), you can easily align and affix a cut sticker. 	
Total Length	Displays the width and the height of an object. When multiple numbers are entered on [Copy], it displays with the length of all copies. If margin or frame is set, those lengths are also included.	

9 Layout



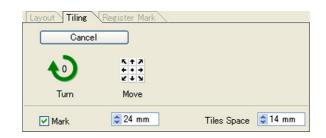
Button	Item	Description	Default
N	Turn	Rotates the object clockwise in unit of 90 degrees. Degrees (0, 90, 180, 270) are displayed in the arrow mark.	0
R + 7 + + + K + 1	Move	Click the desired direction of arrow to move the object.	
	Fit	Fits the object to the sheet size.	
3	Original Layout	Resets to the original layout that is changed by (Direct Select Tool).	
	Mirror	Reverses the right and left of the object image and cuts it.	unchecked
Unlock	k Scale (🖙 P.5-2)	Changes the aspect ratio of the object when changing the size.	unchecked
Origin	Lock (ጬ P.5-10)	Fixes the object position on the object created place. If unlocked, the object is cut on the bottom right or the bot- tom left of the sheet. When cutting specified color or layer only, you can use sheet without waste.	unchecked
Cente	r Mark (ﷺ P.5-8)	When setting [Frame] on the size input area, put marks in the center of the frame in every direction. You can affix a cut sticker on the desired position with the marks.	unchecked
Corner Mark (🖙 P.5-8)		When setting [Frame] on the size input area, put marks on all corners of the frame. You can affix a cut sticker in a horizontal position with the marks.	unchecked
	Unit	Set the display unit in this screen.	mm

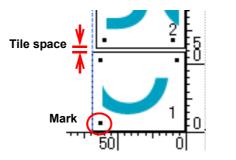
10 Tiling (@ P.5-6)



ltem	Description	Default
[Separation]	After setting the following items, click this button to separate the blocks.	
All Tiles	Divides an object into the same size.	
Dividing position	Set the dividing position.	
Detail Size	Divides on the desired position. Move the division line using (Select Tool).	
Overlap	Sets the overlapping margin of the divided objects.	10
Show Size	Displays each size of divided objects.	unchecked
Build Order	Select an order to paste the cut objects together.	4

Layout of divided tiles Click [Separation] to display the setting screen as below.





Button	ltem	Description	Default
	[Cancel]	Cancels the division.	
	Turn	Rotates the object clockwise in unit of 90 degrees. Degrees (0, 90, 180, 270) are displayed in the arrow mark.	0
K + X + + + ¥ + Y	Move	Click the desired direction of arrow to move the divided objects within the sheet.	
(Exce	Mark (Except CF3 (M-Head))Marks the divided objects. Select or input the mark size on the size column. Paste the divided objects together on the marks.		checked 20mm
Tiles Space Sets the space between divided objects when cutting con- tinuously.		10mm	

11 Register Mark

CG-EX series

Layout Tiling Regist	er Mark	
Exit Detection	Mark Size:	10 mm
	Register	Mark
Plotter	↔ 143.5	\$ 182.65
Data	↔ 143.46	\$ 182.97
Correct	↔ -0.03	\$ +0.18

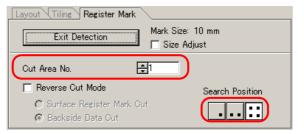
CG-FX / FXII / 75ML / 60SR / SRII, CJV30 / TPC series

Layout Tiling Ree		Mark Size: 10 mm T ID Certification Mode	
	Repeat	‡ 1	Continuous cutting
Search Position	First Time Continue		

CF2 / DC / CF3 series

Layout Tiling Register Mark	tark Size: 10 mm Size Adjust	
Repeat	‡ 1	Continuous cutting
🗖 Reverse Cut Mode	Search Position	
 Surface Register Mark Cut Backside Data Cut 		

When the mark is separated



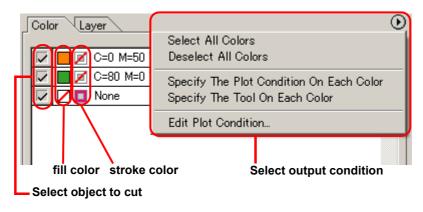
ltem	Description	Default
[Detect Mark]/[Exit Detection] button	Corrects the angle and the size of the detected register mark. Click [Exit Detection] to cancel the detection.	
Setting of continuous cutting	Select the roll mode (multi-mode) or the leaf mode (single mode), and set the number of continuous cutting.	Roll Mode (Multi Mode)
Search Position	C IV/30 series or TPC select the first detecting position on	First Time 🔤 🛓
ID Certification Mode	Check this when cutting with ID certification mode by CG- 75ML.	unchecked

ltem	Description	Default
Size Adjust	 When the size of the actual data and the printed media are different due to the media type or printing environment, the frame can be cut aligning with the printed media. When cutting fixed-shape items like paper packs, uncheck [Size Adjust]. If checked, the size may be misaligned. 	checked
Reverse Cut Mode (CF2/DC/CF3 series)	Cuts from the back, not from the printed face. (@ P.3-32)	unchecked
When the mark is separated	Select the cut area No. and the search position of the mark to cut. ($ P.3-29)$	

12 Color / Layer

Select [Color] or [Layer] tab to display the information of colors or layers. When tiling is executed, the tile list is displayed.

- Only the objects that are checked at the check box on the left are cut.
- Objects are cut in order of the list from the bottom to the top. Drag and move each line to change the cutting order.
- In the color list, click the fill color or stroke color to display each information.
- Click the 🕟 button on the upper right to specify the output condition.



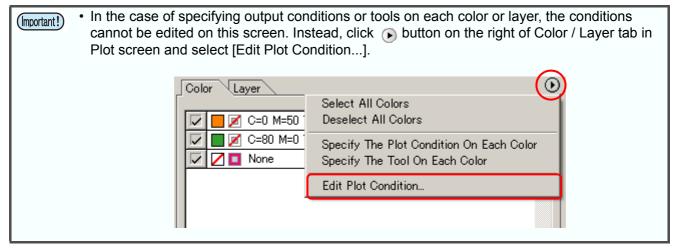
[Plot Out] Screen

Set for output. To display this screen, click (F) (Plot button) in the Plot screen.

Plot Condition	Plot Out Plot Condition Plotter Condition Plotter Condition C Select Condition C Custom	CUTT-Panel Setup Tool Speed Press Offset	▼ Edit_ CT1 ▼ ●100 cm/s ●133 mm	Plot Cancel Preview Save As File	Buttons
Options –	Options Sort G All G Each Color Head Withdrawal After Set	I⊄ Shee I⊄ Auto Plot			

Plot Condition

Select the output condition.



Item	Description
Plotter Condition (except CF3 series (M-Head)) (Default)	Plots with the output condition set on the plotter.
Select Condition	Select the plot condition set on FineCut. Click [Edit] button to add media, or to set cutting conditions by media types. (@ P.7-5)
Custom (except CF3 series (M-Head))	Set plot condition on this screen. (2 P.7-5)

Options

Set options. Settings differ from the selected model. (@ P.7-4 "[Plotter/User Setup] Screen")

CG/CJV30/TPC series

Options	
🔽 Sort	🗖 Sheet Feed
 All 	🔽 Auto Cut
C Each Layer	Set
🔽 Head Withdrawal After Plot	
Set	

CF/CF2/DC/CF3 series

Options	
🔽 Sort	🔲 Use the Outside
 All 	
C Each Layer	
🔽 Head Withdrawal After Plot	
Set	
☑ Optimize Cutting Start Position	

CF3 series (M-Head)

Options	
🔽 Sort	🔲 Use the Outside
 All 	🔽 Adjust start / end
🔿 Each Color	🔽 Joint Setting
🔽 Head Withdrawal After Plot	Joint 📑 1 pcs
Set	Length 🚽 3 mm
Optimize Cutting Start Position	Height <table-cell-rows>1 mm</table-cell-rows>
	Pause

	ltem	Description	Default
Sort		 Optimizes cutting order of an object automatically. If unchecked, the object is cut from the bottom of the list of the color / layer / Tile. CG / CJV30 / TPC series Sorts to minimize the extra head movement for efficient cutting. CF/CF2/DC/CF3 series Sorts to minimize the extra head movement, and to cut the inside objects first. 	checked
	All	Optimizes cutting order of all the objects.	checked
	Each Color/ Layer/Tile	Optimizes cutting order by each color / layer / tile.	
Head Wi	ithdrawal After Plot	 Moves the head to the set position after cutting object. (APP P.5-22 "Setting Head Position after Plotting") This function cannot be used when [Auto Cut] is checked. 	checked
Sheet Feed (MGL-IIc for CG series only)		Before cutting data, feeds the sheet and confirms whether the entire data can be cut.	checked
		 If plotting fails, an error appears on the plotter. In this case, stop plotting, reset the sheet, then restart plotting. 	

Item		Description	Default
•	Auto Cut -FX/FXII/75ML, /TPC series only)	When cutting a roll sheet continuously, the sheet is sepa- rated automatically after cutting. (@P P.3-16)	unchecked
Optimize Cutting Start Position		Optimizes the start position of cutting to finish finely. If unchecked, cutting starts from the position that the data started to draw, or the start position set on the setting tool (@P P.6-4).	checked
Us	e the Outside	Cuts out inside of the object to use the outside. If checked, offset direction is optimized.	unchecked
Adj	ust start / end	 An object is cut from 2 mm away from the object. (If the outside is not used, use this function to cut start / end position finely. When CF3 (M-Head) is used, be sure to check the start position of cutting on the preview after setting. If the cutting line goes over the next object, space among objects on Illustrator. 	checked
Joint Setting		Leaves a part of the cutting line, and cuts it last. It prevents the work from misaligning and makes the cutting surface fine.	checked
	Joint	Set the number of joint (places to leave).	1
	Length	Set the length to leave.	3
	Height	Set the height to leave.	1
	Pause	Select to withdraw the head and to fix the media with tape.	unchecked

Buttons

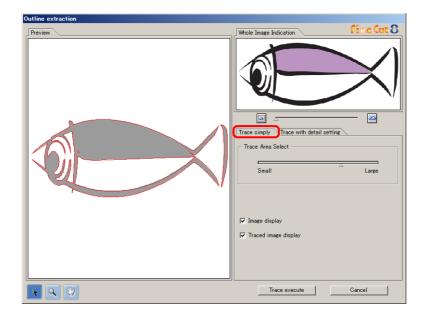
Item	Description
[Plot]	Starts plotting as the set conditions.
[Cancel]	Cancels plotting.
[Preview]	 Previews the plotting with the set condition. Confirm the plotting by preview and adjust the settings. (P.5-24 "Checking the Cutting Process by Preview") Before starting plotting, be sure to check the cutline on the preview.
[Save As file]	Saves the plot data in a plot file. Select the folder and click [Save].

[Outline Extraction] Screen

Create outline to cut bitmap images.

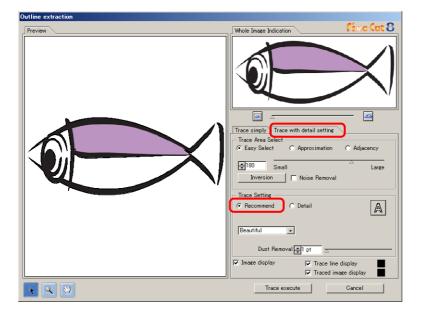
To display this screen, click ([Outline Extraction] button) in the FineCut menu.

Trace simply



Item	Description
Preview	Displays the image (monochrome) and the traced image.
•	Moves all the object being displayed.
٩	Zooms in and out the preview. Click on the preview to enlarge the view. To reduce the view, click on the layout area as pressing down the [Alt] key (Windows) or [Option] key (Macintosh).
	Changes the displaying area of the object.
	Zooms in and out the preview.
Trace Area Select	Drag the slider to select the tracing area. Move to [Small] to trace narrower area. Move to [Large] to trace wider area.
Image display	Select whether the image to be traced is displayed on the preview or not. If checked, a trace area set on Trace Area Select is displayed in grey. You can confirm the outlines to be extracted or compare the image and the traced image.
Traced image display	Select whether the traced image is displayed on the preview or not.

Trace with detail setting



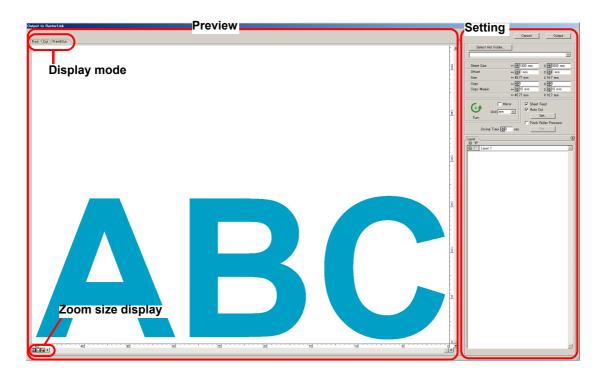
C Recommend	A
Line length 争1.7 pt Short	Long
Angle 争50 Straight	Curve
Dust Removal 🖣 1 pt 🖂	

Item	Description	Default
Preview	Displays the image (monochrome) and the traced image.	
*	Moves all the object being displayed.	
٩	Zooms in and out the preview. Click on the preview to enlarge the view. To reduce the view, click on the layout area as pressing down the [Alt] key (Windows) or [Option] key (Macintosh).	
2	Changes the displaying area of the object.	
	Zooms in and out the preview.	
Trace Area Select		
Easy Select	Select the trace area based on luminance of image. (Range: 2-255)	checked
Approximation	Select an approximate color of the color specified on the preview screen from the whole image.	
Adjacency	Select the same color area as connected to the location specified on the preview screen.	
Entry column/Slider	Set the range of the selected trace area.	
	 For [Approximation] or [Adjacency], decreasing the slider value enables to extract more accurate. 	
[Inversion]	Inverses the select area.	
Noise Removal	Makes a smooth line, reducing uneven outline.	unchecked

Item	Description	Default
Trace Setting (recommended setting)		
Beautiful	Creates detail outlines.	checked
Fast	Extracting time is fast but the details of the outline is rough.	
Trace Setting (detail setting)		
Line length	Specify a length for one line. The shorter the line becomes, the more elaborate in detail.	1.7pt
Angle	Specify an angle for the top shape of line. The angle increases by angle becoming small, and the curvilinear increases by angle becoming large.	50
Trace Setting (common to the recommended setting and the detail setting)		
A	Extracts only the outline.	unchecked
Dust Removal	Delete the line that is shorter part than the specified length. Remove the extra lines created by scanning.	1pt
Image display	Select whether the image to be traced is displayed on the preview or not. If checked, trace an area set on Trace Area Select is dis- played in grey. You can confirm the outlines to be extracted or compare the image and the traced image.	checked
Trace line display	Displays selected tracing area. Click square on the right to change the display color of the tracing area.	checked
Traced image display	Select whether the traced image is displayed on the pre- view or not. Click square on the right to change the display color of the traced image.	checked

[Output to RasterLink] Screen

When using CJV30 series or TPC, set items to output print data and cutting data to RasterLink. Click [][Output to RasterLink] button in the FineCut menu.



Preview

Displays image of an object.

	ltem	Description	
Display m	Display mode		
	Print	Displays a printed image.	
	Cut	Displays a cut image with black line.	
	Print&Cut	Displays a cut image on the printed image by layers with black line.	
Zoom size display			
H	Fit In Sheet Size	Displays the entire sheet.	
	Fit In Sheet Width	Enlarges the sheet width to full screen.	
4	Fit In Objects Size	Displays the enlarged object to fill the screen.	



• The display type of this screen can be set on "Plotter / User Setup" screen. (@ P.7-12)

Setting

Item	Description	Default
[Cancel]	Cancels the setting.	
[Output]	Set EPS and output a data to RasterLink.	
mark	Appears if an image gets out of the sheet by the object size or the copy setting.	
[Select Hot Folder]	 Select a hot folder of RasterLink. The hot folder name selected before can also be selected from the list. If hot folder does not exist, create it on RasterLink. The folder created from the [Create a new folder] button of the folder reference screen does not work as a hot folder. Create a hot folder from RasterLink. 	
Sheet Size	Enter an effective sheet size (width and length) set on the plotter. Effective size can be checked on RasterLink.	
Offset	Set an offset (horizontal/ vertical direction) from the origin on the lower right of the sheet.	0
Size	Displays the vertical and horizontal lengths of an object.	
Сору	Enter the number of copies of one object along the hori- zontal and vertical directions.	1
Copy Margin	Enter the margin between the copied objects along the horizontal and vertical directions.	10
Turn	Rotates the object anticlockwise in unit of 90 degrees. Degrees (0, 90, 180, 270) are displayed in the arrow mark.	0
Mirror	Reverses the right and left of the object image and cuts it.	unchecked
Unit	Set the display unit in this screen.	mm
Sheet Feed	Feeds the sheet before plotting to check whether the entire data can be plotted.	checked
Auto Cut	When cutting a roll sheet continuously, the sheet is sepa- rated automatically after completing the plotting. [Set] button becomes effective with this item checked. On the screen below, set the margin length from maximum data length (the length from the final line to the cutting position) and cutting a data at every line. (IP P.3-16)	checked
	Max Data Length +	

Item	Description	Default
Pinch Roller Pressure	Sets the pinch roller pressure. [Set] button becomes effective with this item checked. On the screen below, set the pinch roller pressure when printing or cutting (ends or inner position).	unchecked
Drying Time	Set drying time of media after printing.	0
Layer	 Select/Set the layer to print or plot. Image: Select/Set the layer to print or plot. Setting by layer Setting by layer. Setting by layer Click to put a mark on the printing layer. Setting by layer Click to put a mark on the cutting layer. Setting by layer Click Image: Setting by layer Click Image: Setting by layer Setting by layer Click Image: Setting by layer Setting by layer Setting by layer Click Image: Setting by layer Setting by layer	
 When both the print and the cut are marked on the Layer screen shown above, the plotter prints, and then cuts the object. If the printing layer has a register mark created with the register mark creation of FineCut, it reads the register mark position after printing, and cuts on the more accurate position. When only cutting is marked on the layer screen, include the register mark in the cutting layer to cut with the register mark loaded. If not setting [Specify the Cut Condition on Each Layer] or [Specify The Tool On Each Layer], it plots with the setting of the plotter. Data is placed with the margin of 0.5mm around. 		the cuts on ng layer Layer],
 When cutting with the register mark loaded, set [1Pt] on [MARK DETECT] of CJV30 or TPC as the number of register mark detection. When creating the register mark on the register mark creation of FineCut, uncheck [Leave a rectangle as the cutting line]. If checked, the plotter cuts with a part of the rectangle missed. (@ P.3-7) (Activating [Outer Frame Cut] of Cut Condition screen is recommended.) When printing type2 register mark (), space between copies for at least the register mark size. (@ P.3-7) Create only one set of register mark on Illustrator. Creating plural marks causes an error. When different settings are made for each layer, RasterLinkProIV Ver.1.1 or before cuts with the condition shown on the top of the set layer list. RasterLinkProVI 1.2 or later will cut with each layer setting. 		eave a nissed. ister rror.

[About FineCut] Screen

Displays the operation manual of FineCut and the latest information (online information). Click [] ([About FineCut] button) in the FineCut menu.

About FineCut	
Мітакі Гіл	c (ut 8 80
(c) 2000-2010 MIMAKI ENGINEERING CO., LTD. All r	ights reserved. Online information
http://www.mimaki.co.jp/english/top/index.php	OK

Item	Description
Operation Manual	Displays the Operation Manual of FineCut (This manual).
Online Information	Displays the latest information or update information of FineCut. A PC with Internet access is needed.

[Line Edit Tool] Screen

Specify Start Point and End Point, then edit the multiple lines altogether. It is also possible to edit the lines one by one.

Click ([LineEdit] button) in the Illustrator tool palette.

×	
Start and End Point Info	
🔲 Start Point 📄 End Point	
- Action	
C Change Curve	
Alt+Drag	
C Change Straight	
Shift+Click	
C Change Horizon _Vertical line	
Alt+Shift+Click	
C Add or Deleate Point	
Alt+Click	
C Move Point and Line Drag	
C Smooth connect	
Glick	
C Movement in direction line A	
Drag	
O Movement in direction line B	
Alt+Drag	
O Use Shortcut Key	
The angle moves in 45 degrees increments, while hold down the Shift key and drag.	
Fine Cut 8	

Item	Description
Start and End Point Info	 Set the Start Point and End Point. Start Point Move the cursor close to the anchor point to show "S". Click the anchor point to set the start point. End Point After setting the start point, move the cursor close to the anchor point to show "E". Click the anchor point to set the end point.
Change Curve	Curve the line between the Start Point and End Point. Select the Start Point and End Point, then drag the line.

Item	Description
Change Straight	Straighten the line between the Start Point and End Point. Select the Start Point and End Point, then click along the line.
Change Horizon_Vertical line	Click along the line to make it horizontal or vertical. The line can be measured as horizontal or vertical by an angle of the clicked line.
	Click
Add or Delete Point	To add an anchor point, click the position to add on the line. To delete the anchor point, click the anchor point.
Move Point and Line	Move the line while holding the shape between Start Point and End Point.

Item	Description
	Set the control point at identical tilt and smooth the joint of the line.
Smooth connect	
	Move the control point to change the curvilinear shape. At a time,
Movement in direction line A	move the control point in opposite side to smooth the joint of the line.
Movement in direction line B	Move only the selected control point to change the curvilinear shape.

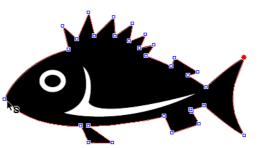
Setting Cutting Start Position

The start position of cutting an object can be specified.

Click 📆 ([Specify Cutting Start Position] button) in the Illustrator tool palette.



• When CF/CF2/DC/CF3 series is used, uncheck [Optimize Cutting Start Position] on Plot Out screen. If checked, the cutting start position set below becomes invalid.



Item	Description
Current cutting start position	Indicates with a red dot.
Setting cutting start position	Click a target anchor point to change the start point. The set anchor point turns red.

[Online Information] Screen

Displays the latest information and update information of FineCut.

This screen is not displayed when unconnected to Internet.
 For Macintosh, it is displayed on Mac OS X 10.4 or later.
 To prevent this screen from displaying each time of starting Illustrator, set on "Plotter/User Setup". (@ P.7-4)

- This screen is also displayed by clicking [Online Information] from *i* of FineCut menu.
- This screen is displayed only in English or Japanese.

Check	Release D	Topics	
	2010-01-01	FineCut 8.1 released (TEST)	
	2010-05-20	The Illustrator CS5 correspondence version schedules a rele	
Descriptio	n:		
Details	:		
URL			
UNL	•		

Item	Description
List	The list of FineCut information is displayed. Click to display the information on the bottom column of Outline. Double-click to display the detailed information on Web browser.
Check	Put a check if the information is checked. Checked items are not displayed when starting Illustrator next time. (However, if starting [Online Information] from FineCut menu, the checked items are also displayed.)
Release Date	It is the released date of the information.
Topics	It is an outline of the information.
Description	Details: The details of the information selected above is displayed. URL: Click to display the detailed information on Web browser.

Uninstallation of FineCut

To uninstall FineCut, follow the procedures below. This section describes with the Windows XP screens.

For Windows



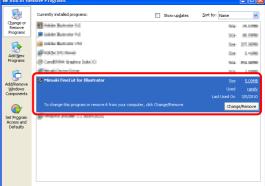
Select [Start] - [Control Panel] - [Add or Remove Programs] ([Add or Remove Applications] for Windows 2000).

For Windows Vista / Windows 7, select [Control Panel] - [Programs] - [Programs and Features].



Click [Mimaki FineCut for Illustrator] and click [Change/Remove] button.

For Windows Vista / Windows 7, click [Uninstall] button.





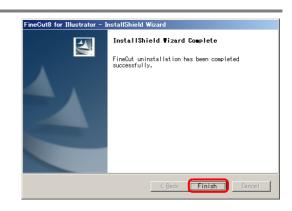
When a message on the right appears, click [Yes].

FineCut8 for Illustrator



Click [Finish].

Uninstallation is complete.



For Macintosh

Delete [Mimaki FineCut] folder in the [Plug-ins] folder of Illustrator in which FineCut is installed.

CHAPTER 8 Troubleshooting



This section describes the troubles and the solutions.

Troubleshooting	8-2
Memory runs out	. 8-2
Improperly plotted on the wrap-around text	. 8-2
Invalid path created in the object when creating an edge.	. 8-2
A shadow or an edge cannot be deleted	. 8-2
The inside path is not cut when cutting the path that is	
applied "Effect" of Illustrator with CF3 series (M-Head)	. 8-2
An error occurs during outputting to RasterLink	. 8-3
Error Messages	8-4

Troubleshooting

Memory runs out

Stroke weight and overlap recognition/ Frame extraction/ Trapping/ Outline extraction requires large amount of memory for complicated objects. Depending on the specifications of the machine, the target object may not be processed for an insufficient memory.

In this case, divide the object into several objects, and execute the process for each divided object, instead of selecting the entire object and executing the process at one time. Some types of object can avoid the insufficient memory error in this way.

For Outline extraction, lower the resolution to avoid insufficient memory error.

Example 1

To recognize the stroke weight and overlap for a complicated object with the title and the object separated, select each component and execute the processing separately, instead of selecting the entire object. If some parts are overlaid, select only overlaid parts and execute the process.

Example 2

To extract a complicated object with an outer frame, select only an outer frame and execute the frame extraction. It enables to process rapidly without wasting memory.

Improperly plotted on the wrap-around text

If executing Frame Extraction/ Create Weed Line/ Create Shadow/Edge on the wrap-around text which created by the IllustratorCS/CS2/CS3/CS4 -[Object]-[Text Wrap]-[Make Text Wrap], the object is plotted improperly.

To plot properly, create an out-line text by the [Type]-[Create Outlines].

Invalid path created in the object when creating an edge

Invalid path may be created in the created edge of some shapes of path. In this case, set the smaller offset value for creating edge, or change the shape of the angle.

A shadow or an edge cannot be deleted

If editing a shadowed or edged path created in [Create Shadow / Edge] of FineCut, the path may not be deleted even if executing [Remove Shadow/Edge].

In this case, ungroup the shadowed / edged path, and then manually delete the shadow/edge.

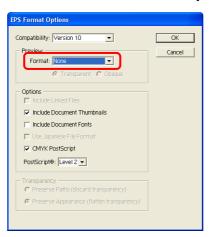
The inside path is not cut when cutting the path that is applied "Effect" of Illustrator with CF3 series (M-Head)

When cutting the path that is applied "Effect" of Illustrator with CF3 series (M-Head), the inside path may not be cut.

Apply "Filter" instead of "Effect" to cut properly.

An error occurs during outputting to RasterLink

Select [None] for the preview format on the screen below. Data may be correctly output.



If following messages appear, solve the problem depending on the messages.

Message	Solution
No response from the plotter. Check whether the plotter is in remote mode and in the correct communication.	Check the plotter is in REMOTE mode. For serial connection, check the communication setting of FineCut meets the setting of the plotter.
Cannot send data to the plotter. Check whether the cable is connected correctly.	Check the cable is connected correctly and not broken. For serial connection, connect a crossing cable.
Cannot find the communication port. Check whether the "Communication" of "Plotter / User Setup" is set up correctly.	Check "Communication" screen of "Plotter / User Setup" and the state of the plotter.
The communication port has already been used by other application or driver. Terminate the application or driver which uses the communication port.	For Mac OS 9.2.2, the port connected to the plotter may have already been used on AppleTalk. Set AppleTalk "Inactive" on Chooser, or select a port unconnected to the plotter on AppleTalk control panel. When the plotter is connected to the printer port, select "Modem port " or "Ethernet".
An Error occurred during connection in USB.	May have been disconnected during communication. Check and retry the connection.
No valid serial port is found. To use USB serial conversion adapter, install the driver supplied with the adapter.	When an USB-serial adapter is used, install the driver referring to the manual supplied with the adapter.
This port may be used by printer driver. Check the setting of Ports tab from Properties of the printer driver.	If the port for FineCut is assigned to the "Port" of the printer driver on Windows, FineCut cannot use the port. Change the port of the printer driver.
Media detection on the output equipment has not been completed. After media detection, execute again.	Occurs when CJV30 or TPC does not detect media. Execute media detection, and then execute again.
Non-Mimaki plotter is connected. FineCut is able to output to Mimaki plotter.	Connect Mimaki plotter.
Register mark is not found. Create register marks using the register mark creation menu of FineCut.	Create register marks on the register mark creation menu of Fine- Cut.
Register mark data is not correct. Re-create the register mark using the register mark creation menu of FineCut.	Create register marks on the register mark creation menu of Fine- Cut again.
No data to be plotted.	Check the data.
Cannot perform processing because of insufficient memory. Increase the memory size available for Illustrator.	 Restart the OS and retry. If you still have trouble, execute the followings. Decrease the data size. Increase the memory of the PC. For Mac OS 9.2.2, increasing the memory usage of Illustrator may solve the problem.

Message	Solution
The data (object the starting point and whose terminal point do not correspond) which cannot carry out tile division was found. Processing is interrupted.	The object that the starting point and the terminal point do not cor- respond cannot execute tiling. Check the data.
Fails to configure the internet connection. Confirm the setting.	Check the Internet connection and the settings of the PC.
Some outline files of fonts not found.	Bitmap font may be included. Change to TrueType font.
This function is not available for the plotter model selected. Check [Model] on [Plotter/User Setup] screen.	This function can be used with the plotter "CJV30" or "TPC".
Cannot write into the folder selected. Click [Select Hot Folder] button and check the folder.	Check the hot folder of RasterLinkPro is correctly selected.
An unexpected error occurred.	
An Error occurred. Error No. xxxx	Contact a distributor in your district to call for service.

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