

Cut Simply and Directly



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D202142-10

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## Foreword

Thank you very much for purchasing a product of MIMAKI.

FineCut, a plug-in software for CoreIDRAW<sup>®</sup>, 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.4-18)

#### Extracting outline easily ( P.4-10)

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 registry guide when cutting printed objects.

#### The latest information of FineCut online (@ P.7-36)

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	Requirement
Computer	IBM PC or compatible mounting Pentium processor or compatible CPU
OS	Microsoft <sup>®</sup> Windows <sup>®</sup> 2000 (service pack 4 and later), Windows <sup>®</sup> XP (service pack 2 and later), Windows Vista <sup>TM</sup> , Windows <sup>®</sup> 7 The following is the OS when connected to the plotter by USB: • Windows XP (service pack 2 and later) 32-bit only
Monitor	1024 x 768 pixels, or higher elution is required
Software	CorelDRAW <sup>®</sup> 11, 12, X3, X4
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
Connection	Serial connection (crossing cable) or USB connection
Others	Compliant with the operation environment of CorelDRAW <sup>®</sup> used

## **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.
1 I I I I I I I I I I I I I I I I I I I	Describes useful information.
(GF	<ul> <li>Indicates a page of related contents for reference.</li> </ul>

### FineCut menu

FineCut menu is displayed as follows on CorelDRAW. In this manual, it is called "FineCut Command Bars".



### X

## 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	1-3
Online Information	1-7
Connecting to the Plotter	1-8

# **Setting of Plotter**

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

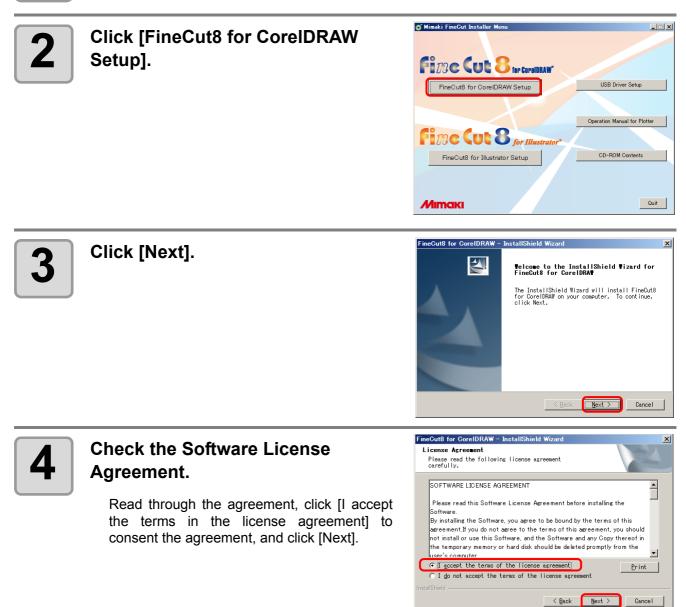
Plotter		Item	Setting
CG-EX Series	OF	RIGIN SELECT	LOW RIGHT
CG-FX Series,	OF	RIGIN SELECT	LOW RIGHT
CG-FXII Series,	MARK DETECT		1Pt
CG-75ML, CG-60SR,	egis	DIST REVI	AFTER
CG-SRII Series	ter	offset A	0.0mm
	Mar	offset B	0.0mm
	к S	COPIES A (↑)	1 (sheet)
	Register Mark Setting	COPIES B ( ←)	1 (sheet)
	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	COPIES Y (←)	1 (sheet)
	k Setting	COPIES X ( <sup>↑</sup> )	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	ORIGIN		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&gt;-CUT START</th><th>OFF</th></n<>	IULTI-PASS>-CUT START	OFF

## Installation of FineCut

(Important!)	displayed during in	n case the CoreIDRAW has never been activated after the installation, an error message is lisplayed during installing and its installation shall be interrupted. Activate the displayed version of CoreIDRAW once, exit CoreIDRAW, then install FineCut.				
		FineCut Workspace				
		Activate the CoreIDRAW X3 and 11 once, and then close it before performing installation.				
		ОК				

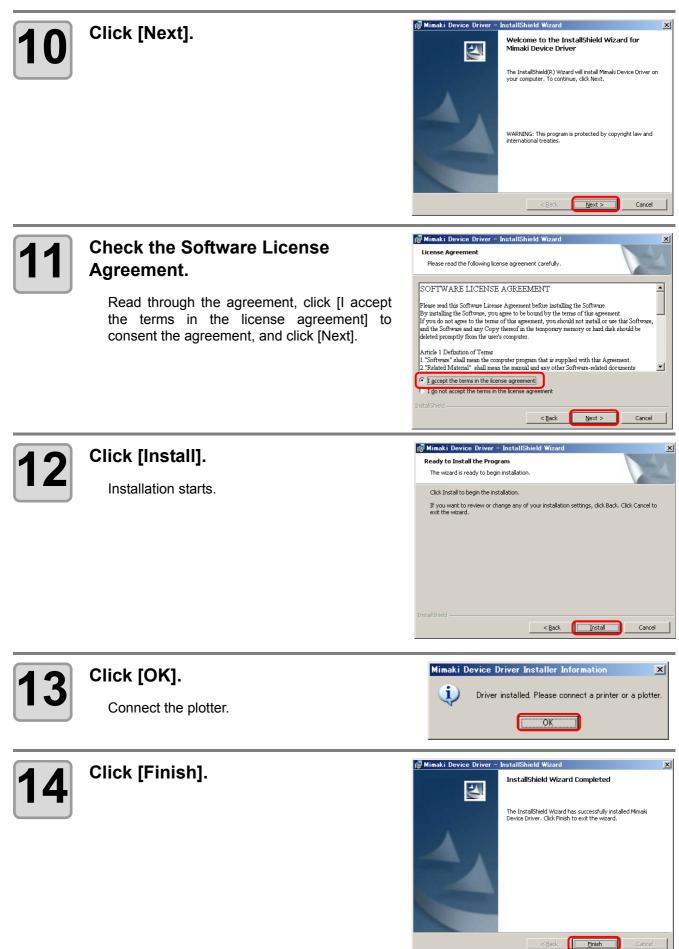


Start the computer, and set the CD-ROM of FineCut into the CD drive.



5	Check the CoreIDRAW to be installed on, and click [Next]. Uncheck the CoreIDRAW not to be installed on.	FineCut8 for CoreIDRAW - InstallShield Wizard         Select CoreIDRAW         Select the CoreIDRAW setup will install.         Select the CoreIDRAW you want to install, and deselect the CoreIDRAW you do not want to install.         InstallShield         InstallShield         (Eack Next)         Cancel
6	Click [Install]. Installation starts.	FineCut8 for CorelDRAW - InstallShield Wizard       X         Ready to Install the Program       The wizard is ready to begin installation.         Click Install to begin the installation.       If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.         InstallShield          ( Back Install       Cancel
7	Click [Finish].	FineCut8 for CoreIDRAW - InstallShield Wizard  InstallShield Wizard Complete  InstallShield Wizard has successfully installed FineCut8 for CoreIDRAW. Click Finish to exit the wizard.  Kencel
8	Click [Yes] to register the FineCut icons.	FineCut Workspace
9	If USB driver does not exist, a screen shown on the right appears. Click [Yes]. If USB driver exists, go to the Step 14.	FineCut Workspace

Preparation

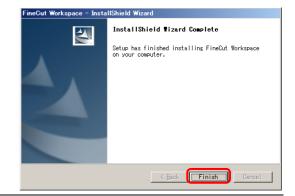


1-5



### Click [Finish].

Installation is complete.



Next, go to "Online Information". (@P.1-7)

If a new information about FineCut is found, the following screen appears when using FineCut first. Click necessary items and check the information. (@P.7-36 for details)

🎘 FineCut Onli	ine Information	
Check	Release D 2010-01-01 2010-05-20	Topics FineCut 8.1 released (TEST) The CoreIDRAW X5 correspondence version schedules a rel
Description Details: URL:	:	Close

Next, go to "Connecting to the Plotter". ( @P.1-8)

1

## **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.

1	When using FineCut first after the installation, the screen shown on the right appears. Click [Setting].	Setup FineCut setting is started. This must be set correctly to send output data to the plotter.
2	Select the plotter used. Select the plotter used on [Model]. Set the other items as needed. (@P.7-4)	Setting       Cancel         Plotter / User Setup       Plotter Communication Plot Dialog Alert Display Other         Model:       CF2 Series         Command:       MGL-IIc         Step Size:       0.025mm         Approximate Type:       Spline         Output Condition Setup       Output Condition Setup         MINICICKI       Cincel         Ver 8.0EN       Setup
3	Click [Communication] tab and select the port of the plotter. After selecting the port, click [Connection test] to check the plotter is correctly connected. (@ P.7-11 for details)	Plotter / User Setup Plotter Communication Plot Dialog Alert Display Other Plotter communication port: Serial USB Not found USB Baud Rate: 9600bps Baud Rate: 9600bps Data Length: 8bits Parity: None Handshake: Hardwire Connection test Connection test Setup Cancel
4	Click [Setup] to save the setting.	Plotter / User Setup Plotter Communication Plot Dialog Alert Display Other Plotter communication port: • Serial • USB • USB • Not found • USB • Baud Rate: 9600bps • Data Length: Bbits • Parity: None • Handshake: Hardwire • Connection test Connection test • Setup • Cancel

Preparation is complete.

## CHAPTER 2 Basic Cutting



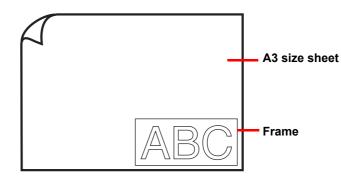
This section describes basic procedures of cutting.

Basic Cutting	
Basic cutting	
÷	

## **Basic Cutting**

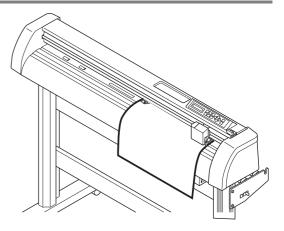
### **Basic cutting**

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.

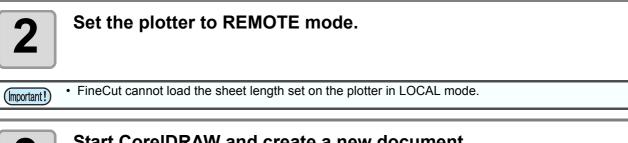




Load a A3 size sheet into the plotter so that it is wider than it is tall.



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

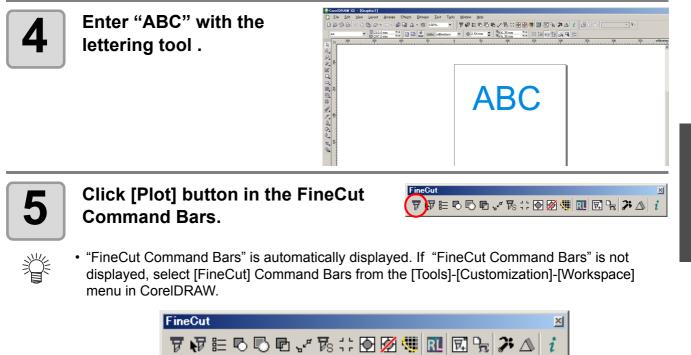


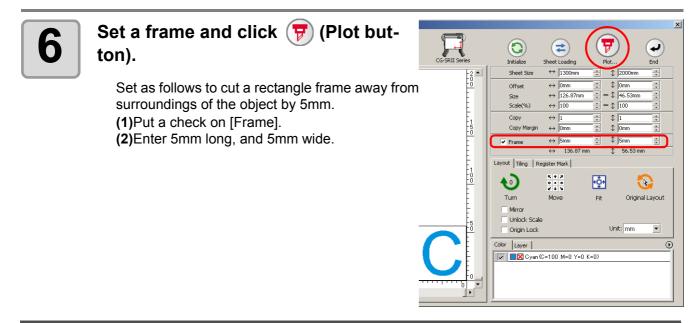
#### Start CorelDRAW and create a new document.

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



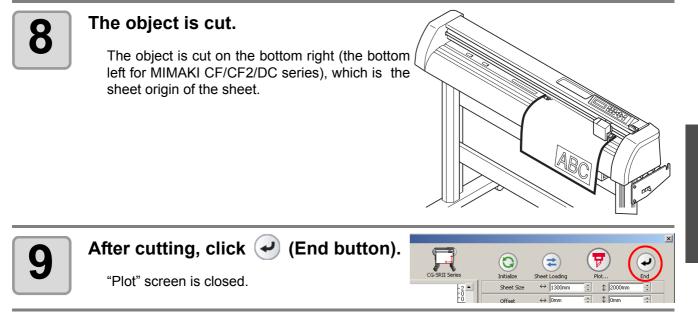
 If the following screens appear, see "CHAPTER 1 Preparation". "Online Information" "Plotter / User Setup"





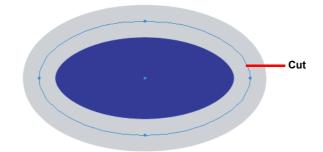
7	Set plot condition, and click [Plot].	Plot out Plot Condition Plotter Condition Select Condition	CUTI-Panel Setup	Edt	Preview Save As File
		Options Soft All Each Color Filed Withdrawal After Soft	Sheet Feed		

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



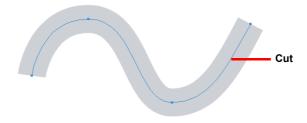
### Fill and Stroke of an Object

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 [Wireframe] from the [View] menu of CorelDRAW.



Path is...

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

The outline of a graphic object also consists of a path. The outline of a straight line or a rectangle created by CoreIDRAW 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")

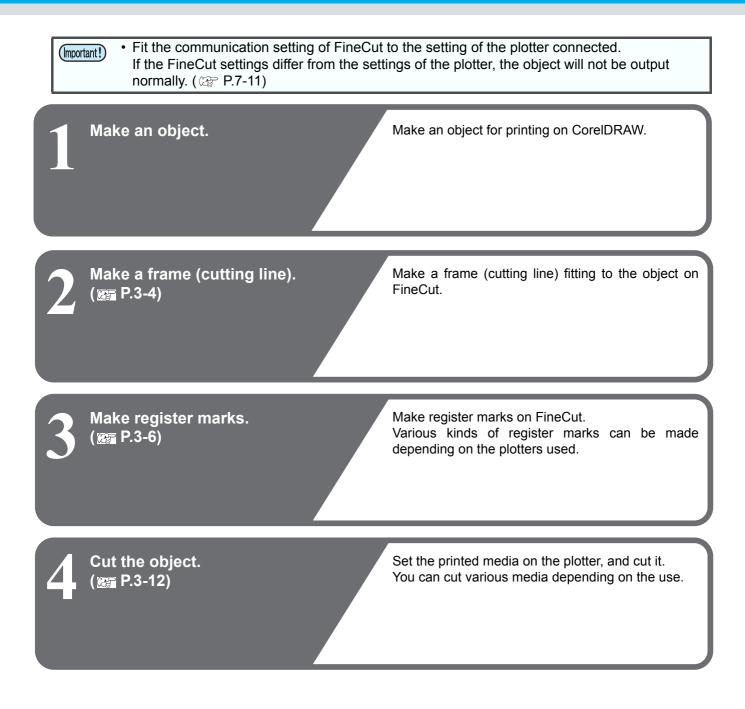
## CHAPTER 3 Creating Register Marks



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
Making a Frame (Cutting Line)	. 3-4
Making Register Marks	3-6
Cutting an Object	3-12

## **Work Flow**

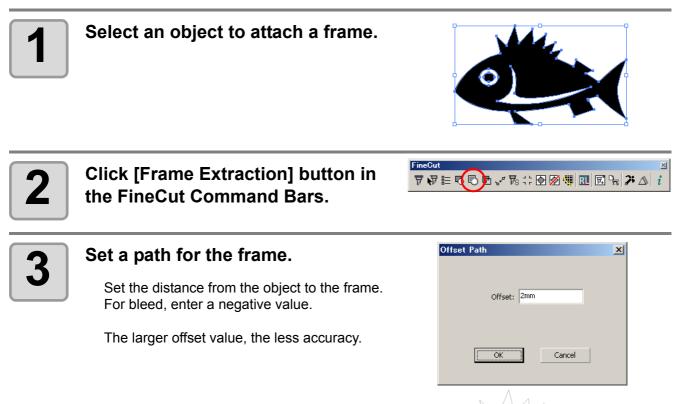


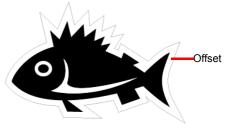
For cutting, the following functions can be used depending on the plotters used.

Model	Model Function	
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 an outline and a base sheet cutline at a time (except CG-FX/CG-FXII)	P.3-23
CF2/DC/CF3 series	CF3 series Cutting register marks	
	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.







#### Click [OK].

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



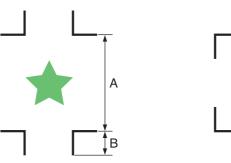
- Every time executing [Frame Extraction], a new layer is created as "FC Frame Layer 1", "FC Frame Layer 2".
- Use them when setting print or cutting condition for each layer. (@ P.5-14)
- The data in this layer is set as non-printed, since it is used as cutting data. To print this data, enable "Printable" on CoreIDRAW "Layer properties".

## **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

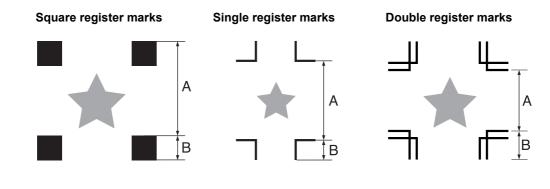


А	200 max.	500 max.	1000 max.	2000 max.	2001 min.
В	4 min.	8 min.	15 min.	25 min.	35 to 40
					(100.000)

(mm)

₿В

#### CF2 / DC / CF3 series



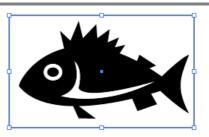
А	200 max.	500 max.	1000 max.	1500 max.	1501 min.
В	5	10	15	20	30
					(mm)

(mm)

## CG/CJV30/TPC series



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





Click [Register Mark Creation] button in the FineCut Command Bars.





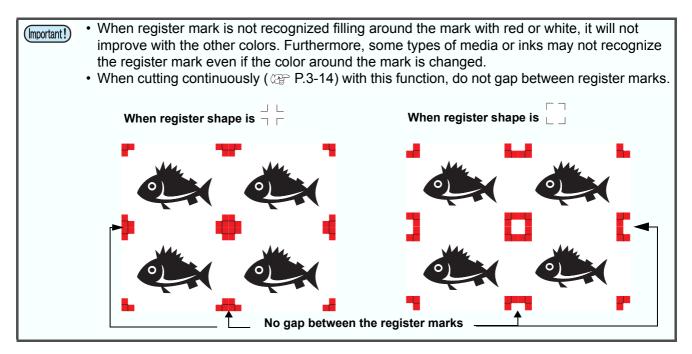
## Set the shape or others for the register mark.

Click [OK] after setting.



ltem	Description
Mark Shape	Select the shape of the register mark.
Mark Size	Set the size of the register mark.
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	<ul> <li>Fills around the register mark with red spot color.</li> <li>When register mark is not recognized on the media of other than white, the mark can be recognized with this function.</li> <li>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.</li> </ul>

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.

Ctrl+J

Ctrl+F2

Ditions...

Lin<u>k</u> Manager Undo Docker Internet Bookmark Manager

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None

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Add To Palette 💌 Options 👻

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€ E Layer: 203214203C203204 L1

🗄 🐻 Group of 4 Objects

♀: Color Management...
 ☆ Save Settings As Default
 ✓ Object Manager
 ✓ object Data Manager
 View Manager

• A color of the register mark can be changed as follows.

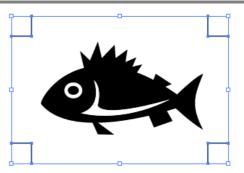
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- (1) Select [Tools]- [Object Manager] in the CoreIDRAW.
- (2) Click on the [FineCut\_TomboRound] in the [Object Manager] shown at the right of CorelDRAW.

(3) Doubleclick the "Fill Color" at buttom right of CorelDRAW and change the color in the [Uniform Fill] Window. Repeat on to other three registermarks.

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



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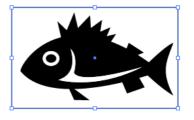
Creating one register mark, a new register mark data is created in the new layer as [FC Register Mark Layer 1], [FC Register Mark Layer 2]...
 Please note that FineCut recognizes only one set of register mark. When two or more register mark sets are created, set unnecessary register mark undisplayed.

3

## CF2/DC/CF3 series



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





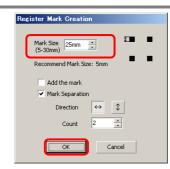
Click [Register Mark Creation] button in the FineCut Command Bars.





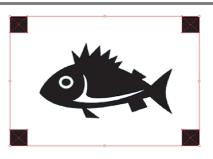
#### Set the size of register mark.

Click [OK] after setting.



Item	Description
Mark Size	Set the size of the register mark.
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. 3 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

#### 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 Command Bars.

FineCut		×
77 🗄 🕫 🗟 🖬 🗸	🕏 👯 🖸 🗭 👹 🔃 🖻 🔓 🏞 🛆	i

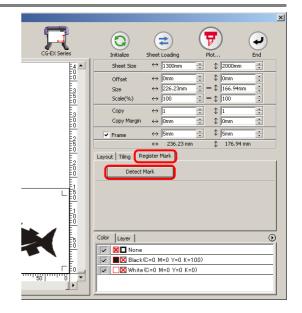


When an unnecessary object to cut exists on CoreIDRAW, select objects to be cut and register marks, and click [Plot Selected Path].



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

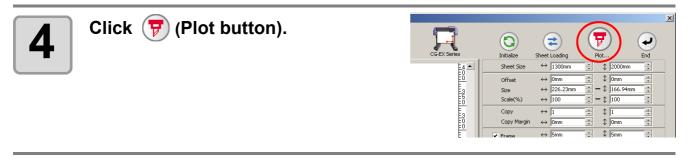
Register mark is detected.





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





5	Click [Plot] to start cutting.	Plot out Plot Condition Plotter Condition Select Condition Custom	CUTI-Panel Setup     Y     Edt       Tool     CTI     Y       Speed     20 cm/s       Press     20 cm/s       Offset     70 m	Plat Cancel Preview. Save As Fi
		Options Sort All Each Layer Head Withfrawal Aft Set	Sheet Feed Addo Car er Plot	

### 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!)	<ul> <li>Use only one set of register mark on CoreIDRAW. If printing the same data multiple times, use the copy function of your print software (RIP).</li> <li>Align the images to X/Y (vertical/horioantal) direction.</li> </ul>
	<ul> <li>When CJV30 series or TPC is used, you can print &amp; cut by one operation working with RasterLink. ( P.4-12)</li> </ul>





1

#### Click [Plot] button in the FineCut Command Bars.

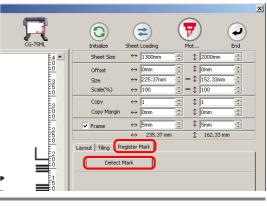


When an unnecessary object to cut exists on CorelDRAW, select objects to be cut and register marks, and click [Plot Selected Path].

# 3 <sup>CI</sup> [D

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

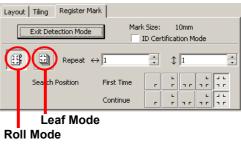
Register marks are detected.





#### Set register marks to detect continuously.

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

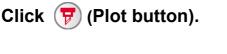


It	tem	Description		
ID Certific	ation Mode	(굕 P.3-20)		
Roll Mode/Leaf Mode		Select the sheet to cut.		
Repeat		In case the number is indefinite, input "9999" (the maximum numbers).		
	Roll Mode	Set the data numbers to vertical and horizontal direction.		
	Leaf Mode	Set the sheet numbers to replace.		
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 detecting time.





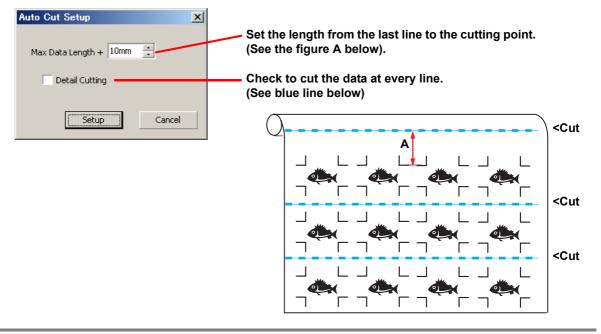


6	Click [Plot] to start cutting.	Plot out Plot Condition Plotter Condition Select Condition Custom	CUT1-Panel Tool Speed Press	ISetup	Edt	Ca Prev Save
		Options Sort Call Each Layer Head Withdrawa An Set		Sheet Feed Auto Cut Set		3446
	In case of Auto Cut (When CG EV/EVII/75MI		Λ/ <b>Τ</b> Ο <i>(</i>	Corioc i		lacto



#### 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.



# 7

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

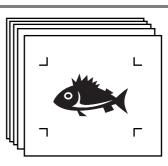
After cutting the first sheet, a message appears on the plotter. Set the next sheet.

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.



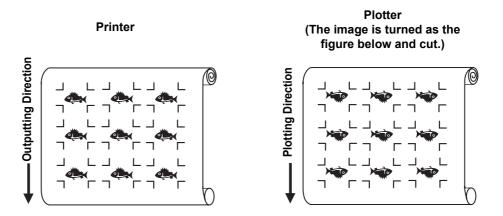


• When using CG-FX/CG-FXII, register marks are automatically detected. When using the other models, detect the register marks manually every time the sheet is replaced. For the details, refer to the operation manual of the plotter.

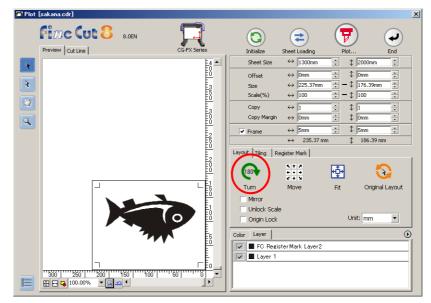


### When the sheet printed by the printer with take-up function (MIMAKI JV series etc.) is rolled on a paper core

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.

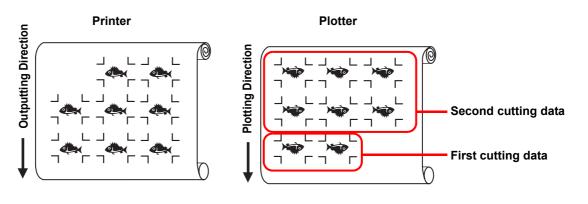


(2) Work from the step 3.

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

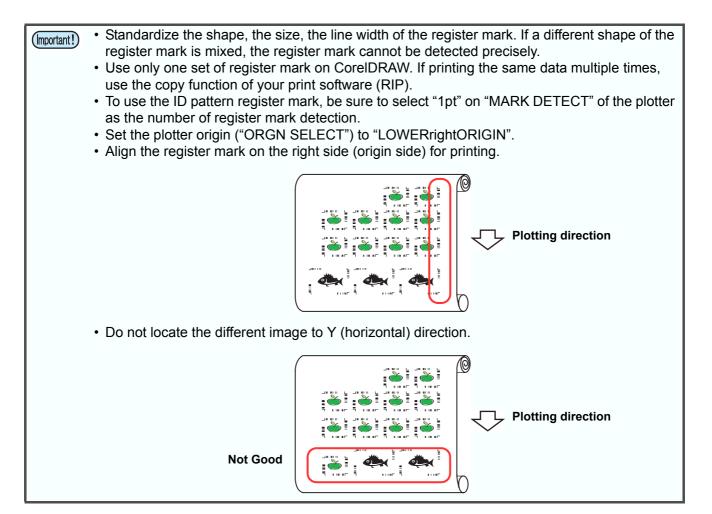


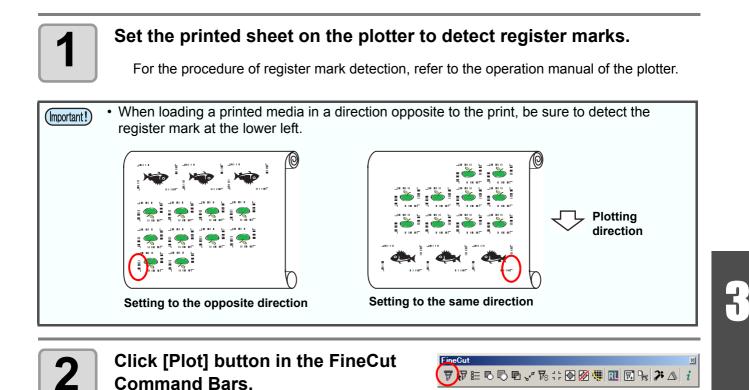
Cut the data in twice to cut all the data.



### 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.



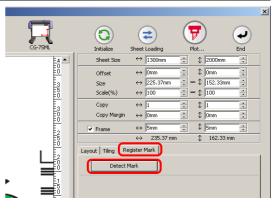


When an unnecessary object to cut exists on CoreIDRAW, select objects to be cut and register marks, and click [Plot Selected Path].



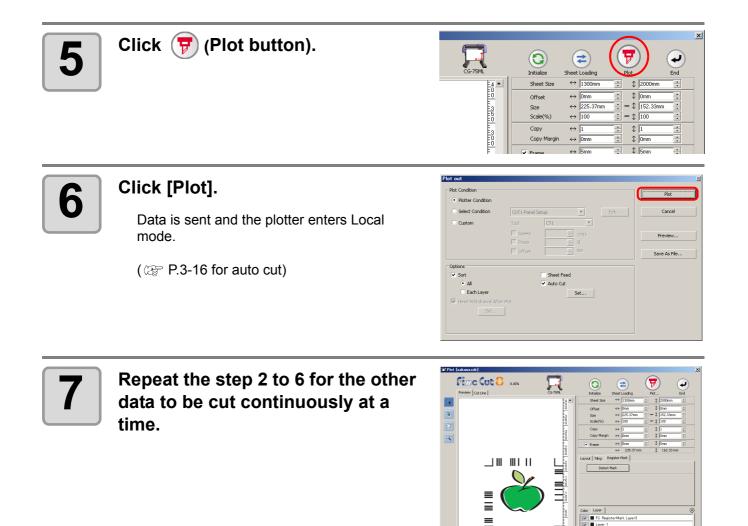
## Click [Register Mark] tab and click [Detect Mark].

Register marks are detected.



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





• Sending order of data is not necessary to be the same as the order of printing.

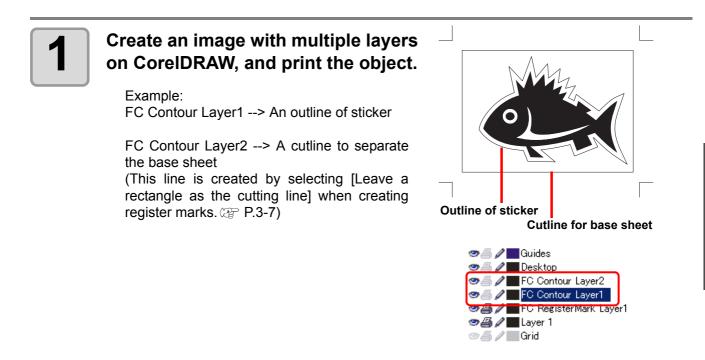
500 250 E E E 100.00%



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# 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.



#### 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.



2

### Click [Plot] button in the FineCut Command Bars.

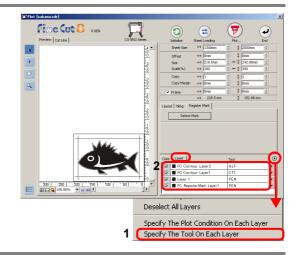




### Click [Layer] tab and set the cutting condition for each layer.

#### Example:

- (1) Select [Specify The Tool on Each Layer].
- (2) For FC Coutour Layer1 --> Select [CT1].
  - For FC Contour Layer2 --> Select [HLF].
  - (CPP P.5-14 for details)

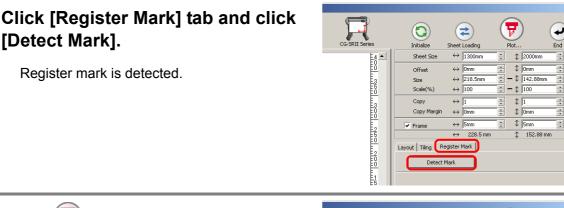




6

### Adjust the protrusion of the cutter blade and cutting pressure for 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 🕝 (Plot button).





Click [Plot] to start cutting.

O Select Condition		7		Cancel
O Custom				
	Speed	÷ cm/s		Preview
	Press			Preview
	C Offset	- mm		Save As File
Sort		Sheet Feed		
Each Color		Set		
🖌 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.



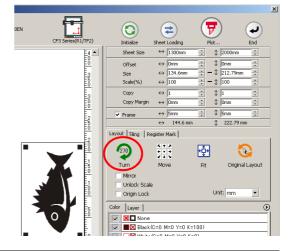
### Click [Plot] button in the FineCut Command Bars.



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



Click () (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.

	٢	=	7	€
CF3 Series(R1/TF2)	Initialize	Sheet Loading	Plot	End
E4 📥	Sheet Size	↔ 1300mm	🕂 🗘 2000m	n 🕂
	Offset	↔ Omm	÷ 0mm	÷
-3 -5 -0	Size	↔ 134.6mm	÷ - \$ 212.79	mm 🗧
E5	Scale(%)	↔ 100	÷ - \$ 100	*
	Сору	$\leftrightarrow$ 1	÷ 1	÷
-3 -0	Copy Margin	↔ Omm	÷ 0mm	
2	Frame	↔ Smm	÷ 1 5mm	÷
5		$\leftrightarrow$ 144.6 mm	\$ 222.7	9 mm
E 1	Layout Tiling Re	gister Mark		
	Detect N	1ark		



#### 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	<ul> <li>Multi Mode: Select when cutting plural images printed on one media.</li> <li>Single Mode: Select when cutting sheet with one set of register mark.</li> </ul>
Repeat	<ul> <li>If cutting continuously: Input the number of the sheet for cutting continuously.</li> <li>If not cutting continuously: Check both directions are set to "1".</li> </ul>
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).

			_	
CF3 Series(R1/TF2)	(Q) Initialize	C Sheet Loading	Plot.	
E4 A	Sheet Size	↔ 1300mm	÷ 1 2000mm	-
	Offset	↔ Omm	÷ 0mm	-
Ē3	Size	↔ 134.6mm	🕂 — 🇘 212.79mm	÷
3 5 0	Scale(%)	$\leftrightarrow$ 100	÷ - \$ 100	-
	Сору	$\leftrightarrow$ 1	÷ 1	-
13 10 10	Copy Margin	↔ Omm	🕂 🗘 Omm	÷
Ē		⇔ 5mm	• 1 5mm	-



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#### Click [Plot] to start cutting.

Select Condition	1-Panel Setu;		-	Cancel
Custom				 
	Speed	-	- cm/s	
	Press			Preview
	□ Offset	-		Save As File
Options Sort		Use the Ou	tside	
<ul> <li>Al</li> </ul>				
C Each Color				
🗌 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.

lot Condition				Plot
Plotter Condition				
Select Condition	1-Panel Setup	~	Edit	Cancel
Custom		*		
	Speed 5	× cm/s		Preview
	Press	÷ g		
	Offset	* mm		Save As File
ptions				
✓ Sort	_	Use the Outside		
<ul> <li>All</li> </ul>				
C Each Color				
Head Withdrawal Afte	er Plat			
Set				
Optimize Cutting Star	t Decition			

### **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.3-10) (Important!) If [Mark Separation] is not selected, the data cannot be cut separately.

1	Select the data separated by [Mark \$	Separation] on CorelDRAW.	
2	Click [Plot] button in the FineCut Command Bars.	FineCut         X           マママロ         マロマロ         マロマロ         マロロ         X	3
3	Click [Register Mark] tab and click [Detect Mark]. Register mark is detected.	Layout Tiling Register Mark	Creating
4	<ul> <li>Set the register marks.</li> <li>Cut Area No.: Check it is "1".</li> <li>Search Position: Select the search position of the register mark (1 / 2 / 4 points).</li> </ul>	Layout Tiling Register Mark Exit Detection Mode Mark Size: 25mm Size Adjust CutArea No. Reverse Cut Mode Search Position Surface Register Mark Cut Backside Data Cut	ting Register Ma



Click (Plot button).





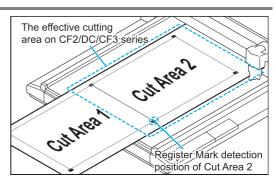
Click [Plot] to start cutting.

Plotter Condition				Plot
C Select Condition	1-Panel Setup	Ŧ	Edit	Cancel
Custom		-		
	Speed	× cm/s		Preview
	Press	g The second sec		
	🗌 Offset			Save As File
Options				
Sort	Γu	e the Outside		
• AI				
C Each Color				
🗌 Head Withdrawal Afte	er Plot			
Set				



## 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.



裆

### 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).

Layout Tiling Register Mark	
Exit Detection Mode	Mark Size: 25mm Size Adjust
CutArea No.	
Reverse Cut Mode	Search Position
O Surface Register Mark Cut	
Backside Data Cut	







#### Click [Plot] to start cutting.

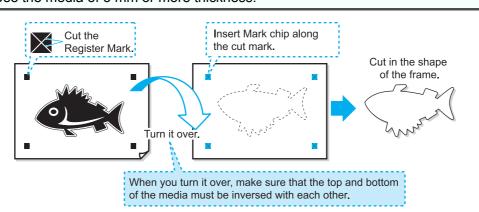
Repeat the Step 7 to 11 for each of the divided register mark.

Plot Condition					Plot
<ul> <li>Plotter Condition</li> </ul>					
Select Condition	1-Panel Setup		Ψ.	Edit	Cancel
C Custom			v		
	Speed		≑ cm/s		Preview
	Press		÷ 9		
	C Offset		÷ mm		Save As File
Options ✓ Sort ✓ All		Use the O	utside		
C Each Color					
🗌 Head Withdrawal Afte	er Plot				
Set					
Optimize Cutting Star	* Porition				

### 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 Command Bars.

	FineCut	×
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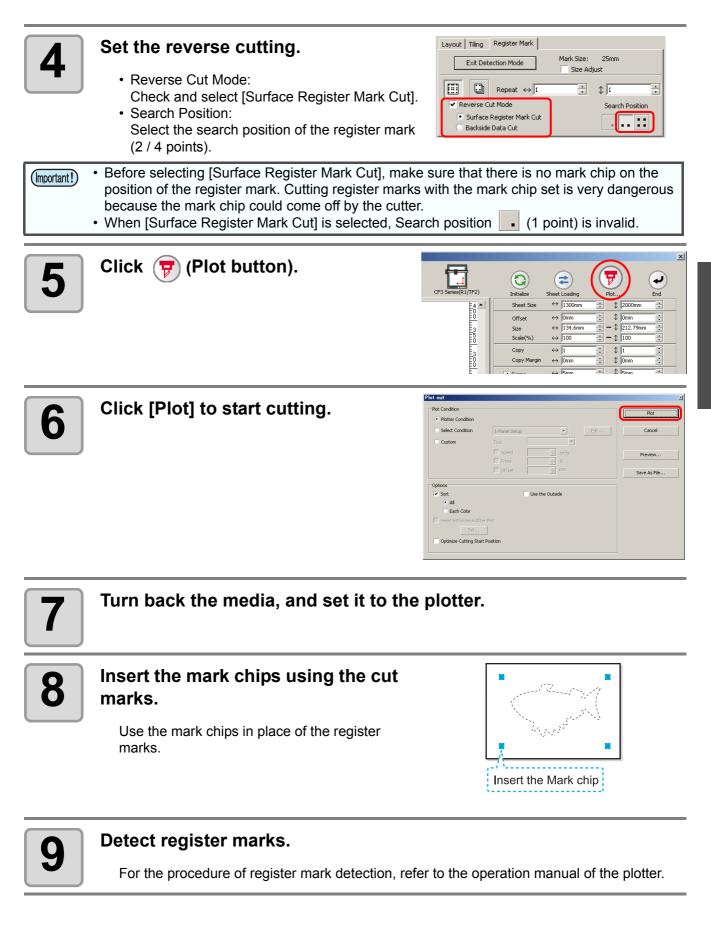
- 道·
  - When an unnecessary object to cut exists on CoreIDRAW, select objects to be cut and register marks, and click [Plot Selected Path].



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

Register mark is detected.

Layout	Tiling	Register M	ark		
	Det	ect Mark			
_			_		





#### 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		
Exit Detection Mode	Mark Size:	25mm just
$\blacksquare \qquad \qquad$	÷	\$ 1 .
Reverse Cut Mode		Search Position
Surface Register Mark Cut     Backside Data Cut		

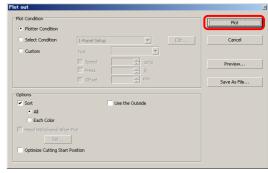








### Click [Plot] to start cutting.



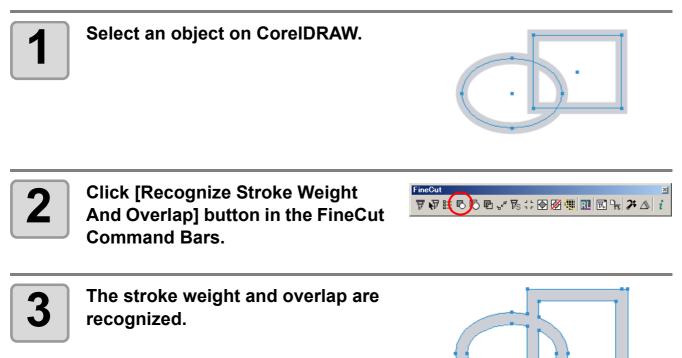
### CHAPTER 4 Advanced operations-from FineCut Command Bars



Recognizing Stroke Weight and Overlap	4-2
Trapping	4-3
Joining Paths	4-4
Making a Precut Line around an Object	4-5
Creating Shadow / Edge	4-7
Importing / Outputting Plot File	4-8
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Outputting to RasterLink (CJV30/TPC series)	4-12
Setting Output Condition	4-16
Separating and Cutting Lines (CF/DC/CF2	
/CF3 (except M-Head) series)	4-18

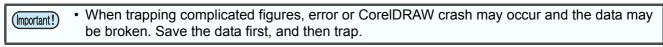
# **Recognizing Stroke Weight and Overlap**

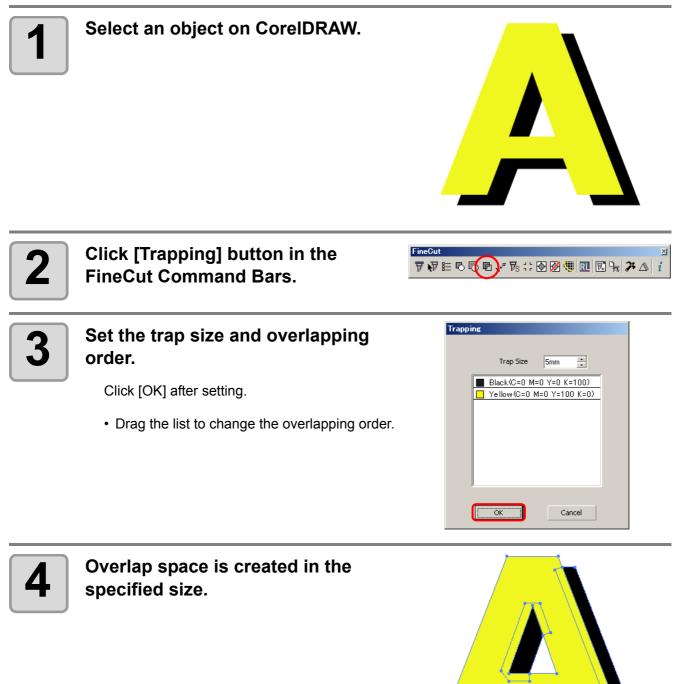
To cut objects in the same shape as displayed on the monitor, recognize the stroke weight and overlap of objects.



# Trapping

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



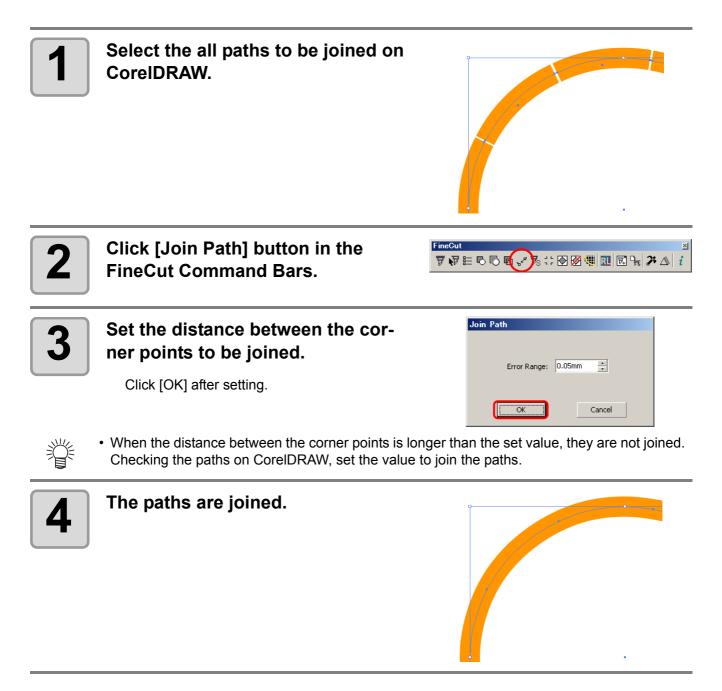


## **Joining Paths**

Corner points of an open path (the start and the end point is not connected) can be joined.

When reading DXF data into CoreIDRAW, 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.



## **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.



#### Select an object on CorelDRAW.





# Click [Create Weed Line] button in the FineCut Command Bars.

FineCut

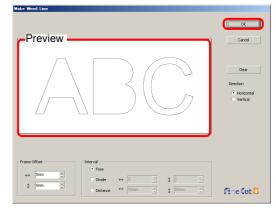
 F
 Image: Solution of the second second

i



#### Set the Weed Line.

After setting, click [OK] .

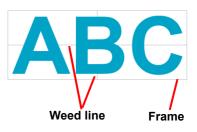


Item		Description		
Preview		Check the position and the number of weed lines.		
Frame Offset		Set the distance between the object and the frame.		
Free		Make the line on the needed position with the needed numbers. Select the direction of the line in [Direction], and click on the pre- view to make the 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

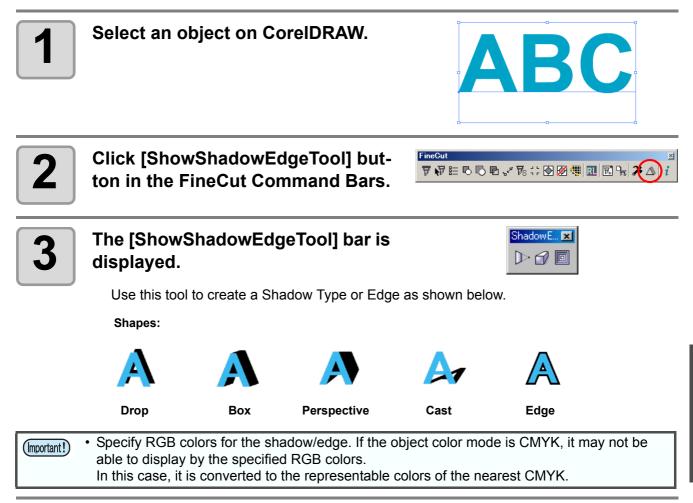




• To delete the created weed line, select [Remove Weed Line] from the FineCut Command Bars.

# **Creating Shadow / Edge**

Create a shadow / edge of an object.



# **Importing / Outputting Plot File**

### Importing a plot file

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



Click [Import Plot File...] button in the FineCut Command Bars.

FineCut	×
▼₩≣┖┖┖┵₨⊹₽⊠∰ℝ	▣ ⊨ ≯ △ i



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





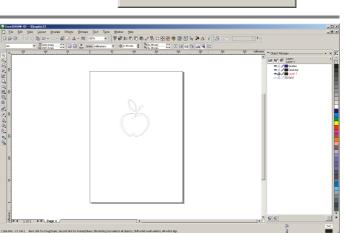
The importable plot commands are MGL-IC, MGL-IIC, and HP-GL.



#### Step size Select the step size for the file to import. Select the step size. Click [OK] after selecting. 0.025 **▼** mm ÖK The imported file is



displayed.



• The image may be rotated and displayed depending on the application that the plot file is cre-(Important!) ated.

### Outputting a plot file

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

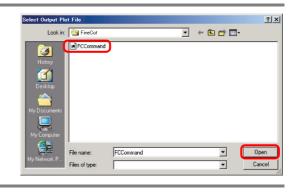


### Click [Output Plot File] button in the FineCut Command Bars.

FineCut	×
♥♥₶₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽	$\Delta i$



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 CorelDRAW 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 CorelDRAW.





Click [Outline Tools] button in the FineCut Command Bars.



• If an message "The error occurred" appears, and contour definition cannot be processed, convert the file to BMP/JPG/GIF/TIF and try again.

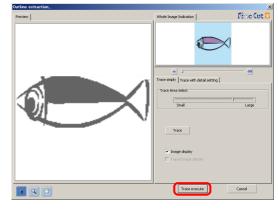


#### Click [Trace execute] button.

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

To check the traced image on the preview, click [Trace] button.

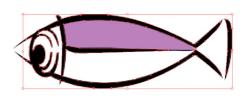
( CP P.7-28 for other items)



- The data in this layer is set to non-printing, since it is used as cutting data. To print this data, enable "Printable" on CoreIDRAW "Layer properties".

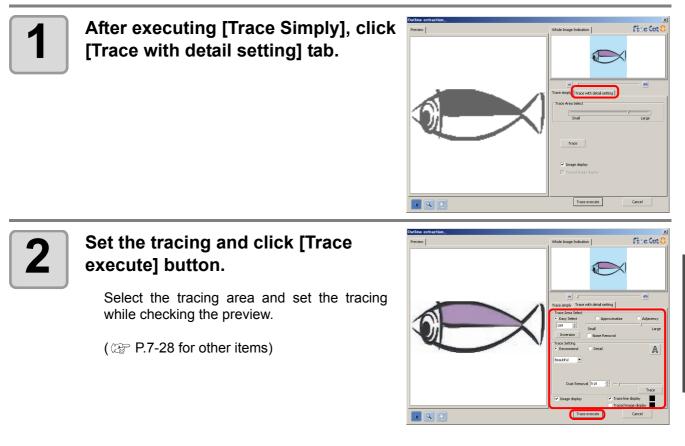


An outline is created on the [FC Trace Layer] of CorelDRAW.



### 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.



- - The data in this layer is set to non-printing, since it is used as cutting data. To print this data, enable "Printable" on CoreIDRAW "Layer properties".



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



# 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.

[Model].

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.

FineCut



### Click [Plotter / User Setup] button in the FineCut Command Bars.

Select CJV30 Series or TPC on

Plotter / User Setup	
Plotter Communicati	ion   Plot Dialog   Alert Display   Other
Communicad	on The blog Net bobby Cone T
Model	
Model:	CJV30 Series
Model: Command:	
Command:	MGL-IIC
Command:	
Command:	MGL-IIC   0.025mm
Command: Step Size:	MGL-IIC  0.025mm IIIe
Command: Step Size:	MGL-IIC   0.025mm

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

# Click [Output to RasterLink] button in the FineCut Command Bars.

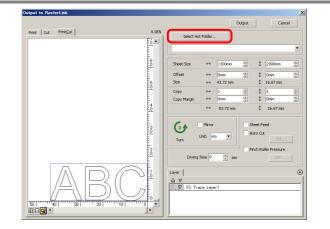
Setup

Cancel



#### Click [Select Hot Folder...].

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



 The followings may occur on the preview above, however, they are correctly printed. Display colors may differ from actual colors displayed on CoreIDRAW. On Windows Vista, background of overlapped part of layers turns white.
 Create a hot folder on RasterLink.



## Select and set the layers to print or cut.

Layer	$\odot$
⊖     ⊽       ⊖     □       Layer 4       ⊖     □       □     Layer 3       ⊖     □       □     Layer 2       ⊖     □       □     Layer 1	Print All Layers Not Print All Layers Cut All Layers Not Cut All Layers Specify the Cut Condition on Each Layer Specify The Tool On Each Layer
	Edit Cut Condition
Printer Cutting icon icon	Setting by layer

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. (ﷺ P.3-7 ) □
  - Create only one set of register mark on CorelDRAW. 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.

(അ P.7-31)

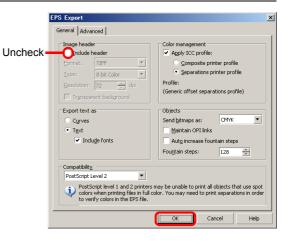


7

### Click [Output], then set EPS.

Click [OK] to send the data to RasterLink.

EPS setting varies from the CorelDRAW version used. The display shown on the right is for CorelDRAW X3.



(Important!) • Be sure to uncheck [Include header] on [Image header].



#### 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.

screen.

(Important!)	<ul> <li>This function is valid only for the MGL-IIc commands.</li> <li>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.</li> </ul>
Î	<ul> <li>Once output conditions are set for each media with the following steps, the conditions can be changed by media on Plot Out screen.</li> </ul>

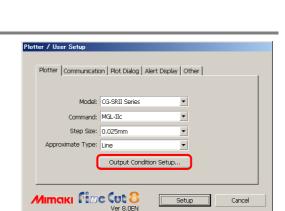


2

## Click [Plotter / User Setup] button in the FineCut Command Bars.

Click [Output Condition Setup...].

Alternatively, click [Edit] button in the Plot Out

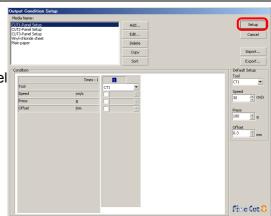


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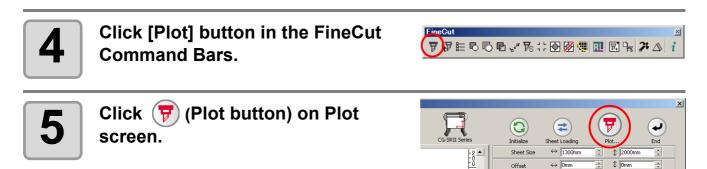
### Set conditions on Output Condition Setup screen.

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)



↔ 126.87mm ÷ − \$ 46.53mm

÷



6	Set the plot condition and click [Plot].
	(@P.7-25 for details)

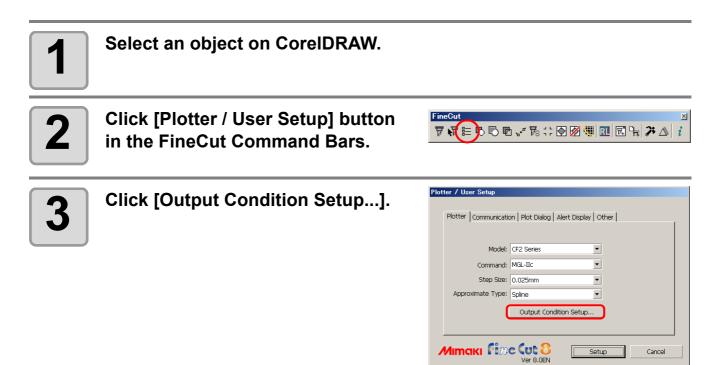
C Select Condition	CUT1-Panel	Setup	Ŧ	Edit	Cancel
Custom	Tool	CT1			
	Speed		r cm/s		Preview
	Press		ç g		
	🗌 Offset		÷ mm		Save As File
✓ Sort		Sheet Fee	d		
<ul> <li>All</li> </ul>		🗹 Auto Cut			
C Each Color			Set		
<ul> <li>Head Withdrawal After</li> </ul>	er Plot				
Set					



 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.

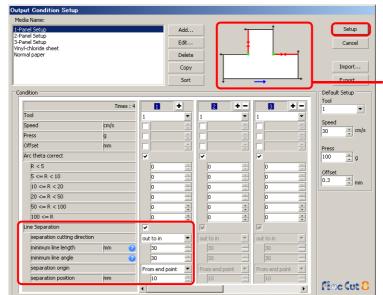
### Cutting with the line separated





#### 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.4-22)
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.

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 Command Bars.

Click 🕝 (Plot button).





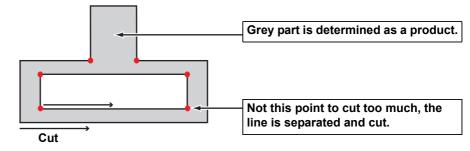
# 7

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

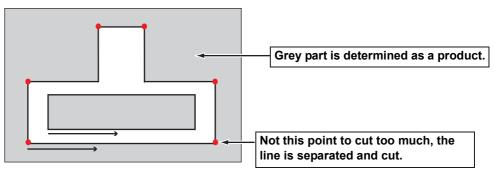
The plotter determines as below depending on the setting, and cuts with the line separated.

<ul> <li>Plotter Condition</li> <li>Select Condition</li> </ul>	1-Panel Setu		<b>v</b>	Edit	Cancel
Custom	Tool	1	-		
	Speed     Press		← cm/s		Preview
	C offset		* mm		Save As File
ptions Sort	(	Use the C	utside		
<ul> <li>All</li> <li>Each Color</li> </ul>					
<ul> <li>Head Withdrawal After Set</li> </ul>	er Plot				

#### 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 the shape of the blade used.

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

Blade used	Product	Shape	Adjusted eccentricity value	
	Code		and Test cut pattern	with the line separated (@PP.4-18)
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	t
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. <ul> <li>If gapped:</li> </ul>	
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 the line separated ( @P.4-18)
Carbide, 2°	SPB-0064	cutting direction	End point Start point Start point Adjust the value to meet the horizontal lines of the Test pattern A at the end point. • If lines overlap: Enter the overlapped value divided by 2 by positive value. • If gapped at the end point: Enter the gapped value divided by 2 by negative value. By adjusting as above, the horizontal lines protrude from the vertical line at the start point.	In to out (No uncut part because the blade top comes to the end point.)

### 4-24

## 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 Command Bars.

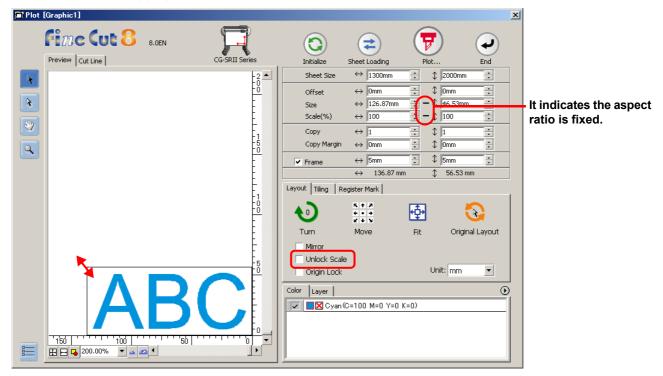
♥₮▤▫▯▫▾▧⊹◙▨◍◧▣▫◗◢▵▮

Scaling an Object	. 5-2
Cutting an Object Multiple Times (Copy)	. 5-4
Dividing and Cutting an Object (Tiling)	. 5-6
Cutting an Object on Each Color	. 5-8
Cutting an Object on Each Layer	5-10
Setting the Output Order/Tool on Each Color/Layer	5-12
Setting Output Condition on Each Color/Layer	5-14
Making Effective Use of Sheet	5-17
Setting Connection to the Plotter	5-19
Setting Head Position after Plotting	5-20
Checking the Cutting Process by Preview	5-22

## **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.

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	🖻 Plot [Graphic1]				x
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	/ V	S Initialize	Carlor Ca		
0       ✓ Frame       ✓ John       ✓ John       ✓ John       ✓         0       ✓ 79.47 mm       ① 25.67 mm       ✓       ✓       ✓         1       ✓ Youth Tilling       Register Mark       ✓       ✓       ✓       ✓         1       ✓ Youth Tilling       Register Mark       ✓		Sheet Size Sheet Size Size Size Size Scale(%) Copy Margin Copy Copy Margin Copy Copy Margin Copy	↔       1300mm	2000mm	



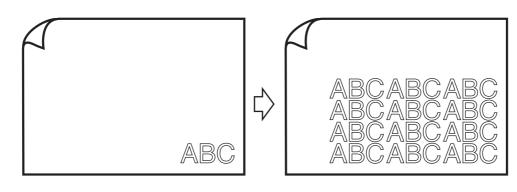
- To scale an object with the aspect ratio retained, check [Unlock Scale], and then drag the object as holding down the Shift key of the keyboard.
- To scale an object with the changed aspect ratio retained, change the width and length separately, and then uncheck [Unlock Scale].

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

[	Sheet Size	$\leftrightarrow$	1300mm 🗧	\$	2000mm 🕂	
	Offset	$\leftrightarrow$	Omm ;	\$	Omm ÷	
1	Size	$\leftrightarrow$	42.72mm	\$	45.92mm 🕂	١
V	Scale(%)	$\leftrightarrow$	100		293.08	V
						1
	Сору	$\leftrightarrow$	1	\$	1	1
	Copy Copy Margin		1 Omm	\$ \$	1 Omm	
		$\leftrightarrow$	1 Omm Smm	 		

## **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.

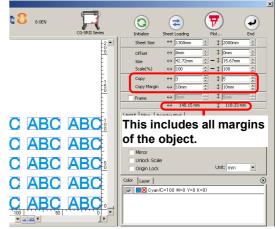




### Set [Copy] and [Copy Margin].

- Example:
- Copy:
  - Enter 3 for horizontal and 4 for vertical.
- Copy Margin:

Set the margin between objects (horizontally and vertically) to 10 mm.



ABC

ABC

ABC

ABC

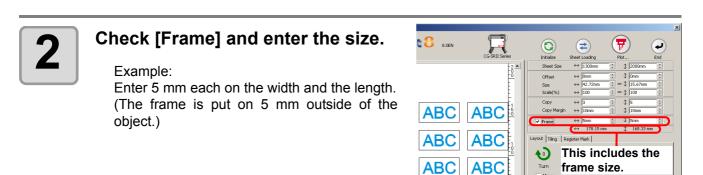
- \_ \_ 4

Origin Lod

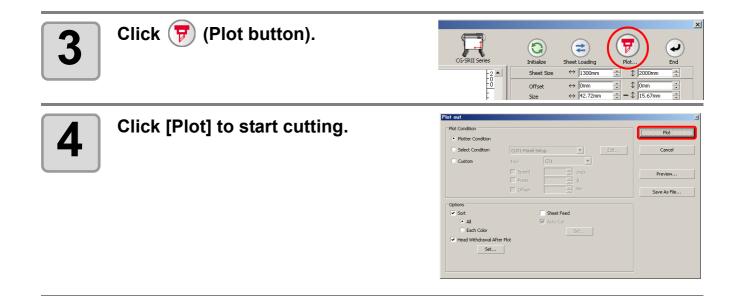
Color Layer

Unit: m

 $\odot$ 

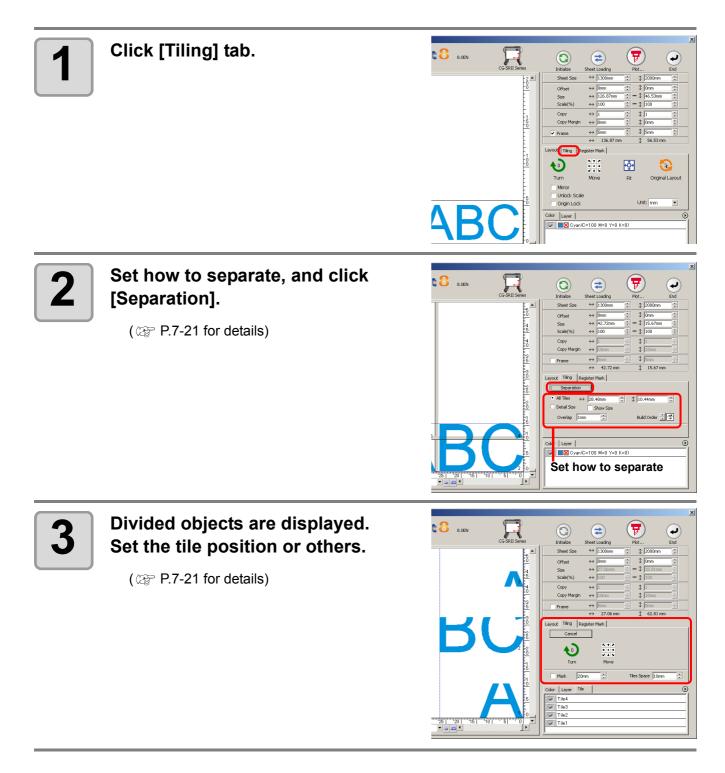


(Important!)	<ul> <li>When Frame is set, the frame is created for each object. You cannot enclose all the copied objects with a single frame.</li> <li>When [CF3 (M-Head)] is selected on Plotter / User Setup screen, note the followings. Set [Copy Margin] to 10 mm or more. Frame cannot be created.</li> </ul>



## **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".



4	Select tiles to cut from the tile list.	Color Layer Tile
5	Click 큣 (Plot button).	$(G_{G}-SRIISeries) IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$
6	Click [Plot] to start cutting.	Plot out     Plot          • Plot Condition         Plot          • Plot Condition         Plot           Select Condition         Curtification           Custom         Curtification           Custom         Curtification           Custom         Curtification           Custom         Custom           Custom             Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom           Custom

## **Cutting an Object on Each Color**

If an object consists of multiple colors on CoreIDRAW, 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



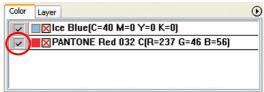
#### Click [Plot] button in the FineCut Command Bars.





#### Uncheck the color set of "DEF" on the example above.

The object "DEF" disappears from the cutting area.

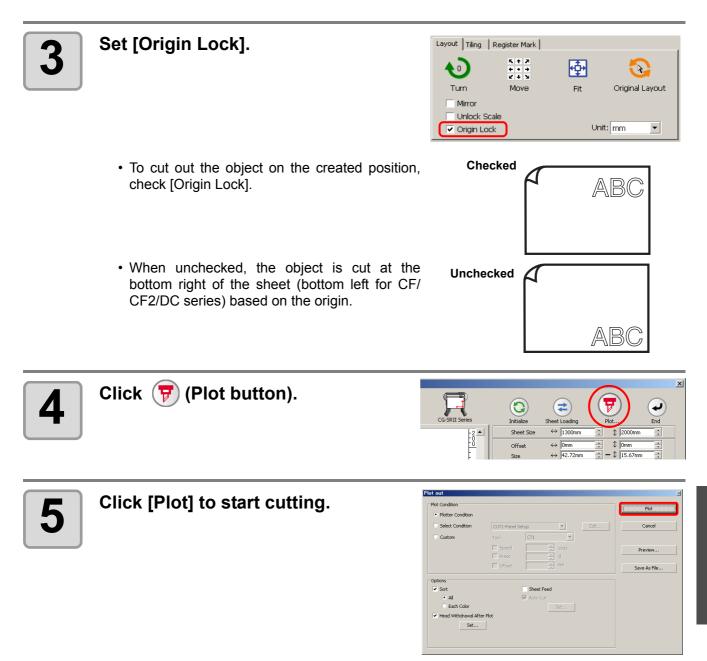


- £ (
- Color List

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.

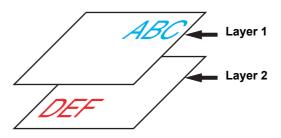
To specify the output condition, click the  $\odot$  button on the upper right of the list.

Color	Layer
	⊠lce Blue(C=40 M=0 Y=0 K=0)
	PANTONE Red 032 C(R=237 G=46 B=56)
	Click to display the stroke color information.
LC	lick to display the fill color information.



## **Cutting an Object on Each Layer**

If an object consists of multiple layers on CoreIDRAW, 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 Command Bars.

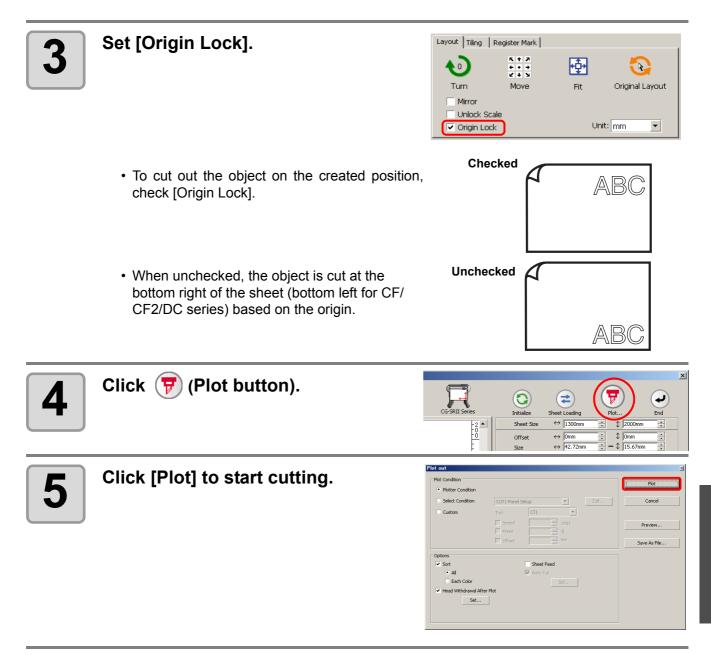




# Click [Layer] tab and uncheck the layer of "DEF" on the example above.

The object "DEF" on the layer disappears from the cutting area.

Color Layer	Ð
Layer 2	
Layer 1	
<u> </u>	



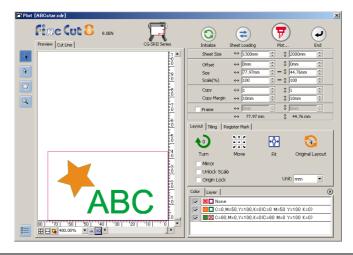
## Setting the Output Order/Tool on Each Color/Layer

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.



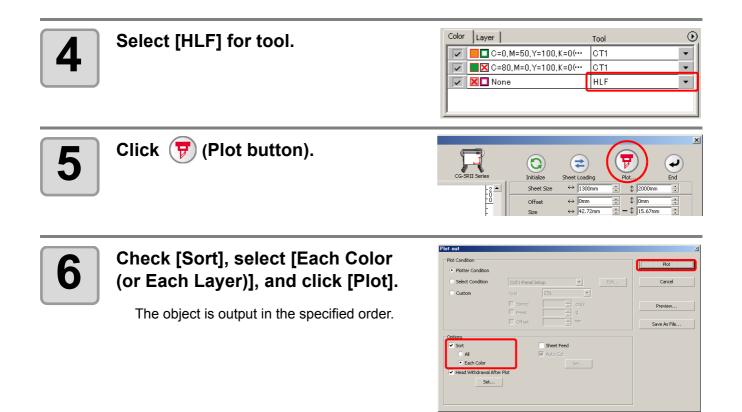




Drag the red in the color list to the bottom.

Color Layer	$\odot$
C=0,M=50,Y=100,K=0(C=0 M=50 Y=100 K=0)	
C=80,M=0,Y=100,K=0(C=80 M=0 Y=100 K=0)	
None any	
	_





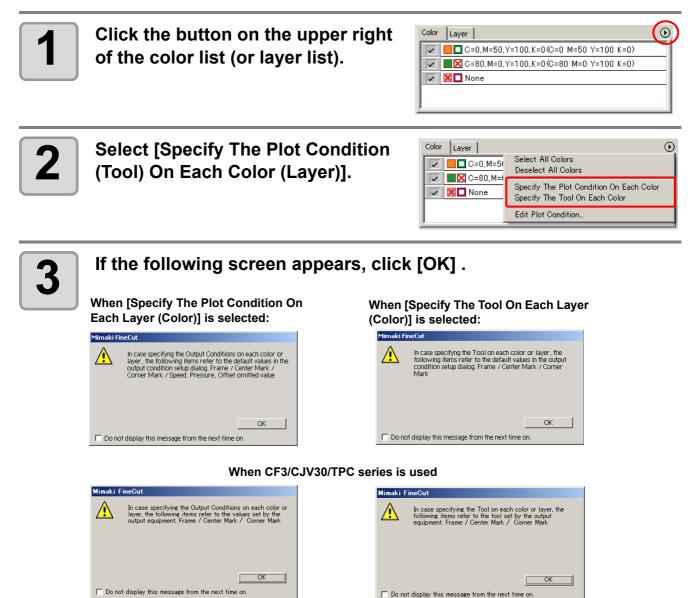


### **Setting Output Condition on Each Color/Layer**

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.

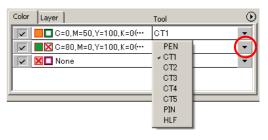


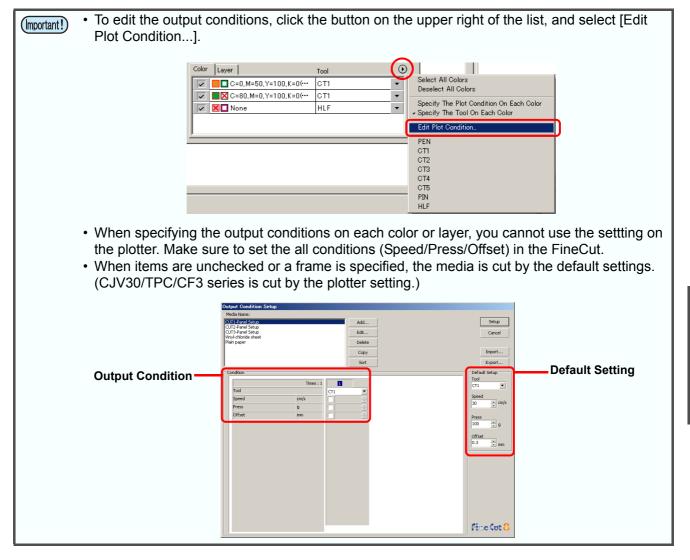


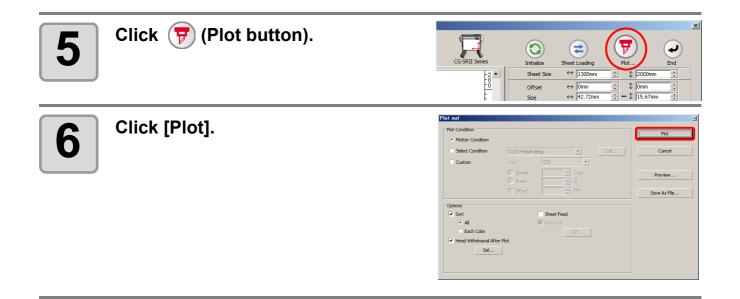
#### Set the output condition.

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:

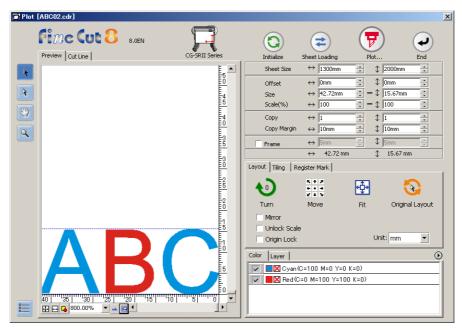






## **Making Effective Use of Sheet**

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.





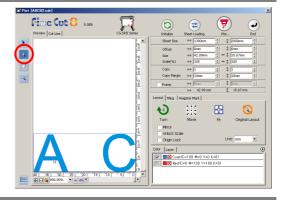
Click [Plot] button in the FineCut Command Bars.





Select an object to move using the (Direct Select Tool).

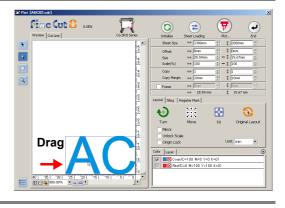
Select "A" for the example shown on the right.





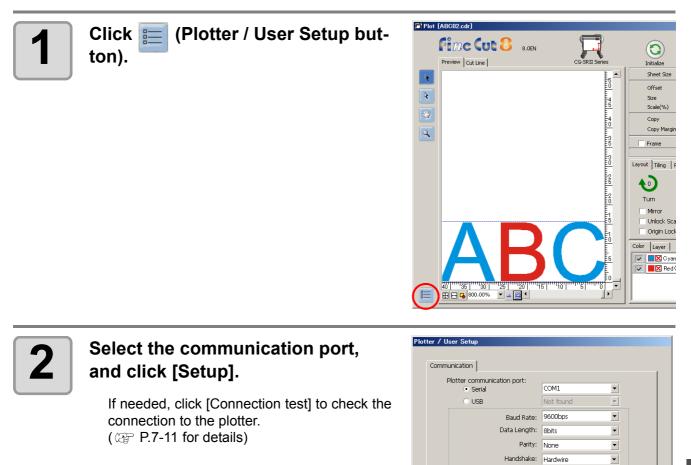
## Drag the selected object to the desired position.

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.



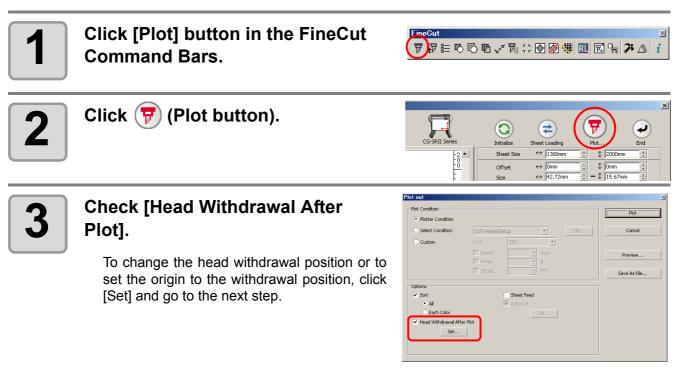
Connection test... MIMCIKI Fine Cut 8 Ver B.DEN

Setup

Cancel

## **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 Position	×				
↔ Current Origin ▼ + 0mm ★					
↑ Max Cut Length					
Sheet Feed Origin Renewal					
(Only MGL-IIc of CG/CJV30/TPC series)					
Setup Cancel					

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.

• 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.



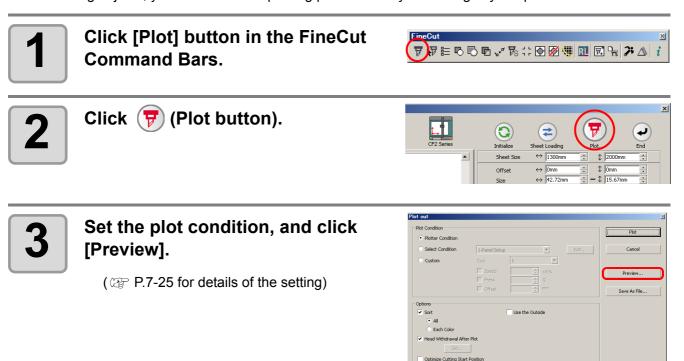
### Click [Plot].

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

Plotter Condition				
Select Condition	CUT1-Panel :	Setup	Ψ.	Cancel
Custom		CT1	Ψ.	
	Speed		÷ cm/s	Preview
	Press		÷ 0	
	Offset		÷ mm	Save As File
All		🗹 Auto Cut		
Each Color		IM Auto Cut		
			Set	
Head Withdrawal Afb	er Plot			
Set				

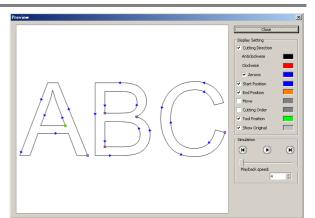
## **Checking the Cutting Process by Preview**

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





## Check the cutting line on the preview.



- ۲
- 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.

Item	Description
Cutting Direction	<ul><li>Shows black line for cutting in anticlockwise, and red line for cutting in clockwise.</li><li>Checking [Arrows], cutting direction shows with arrows.</li><li>For an open path, both directions display in black.</li></ul>
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 CorelDRAW object that was read by FineCut and processed on Plot screen in the state before cutting.

# 5

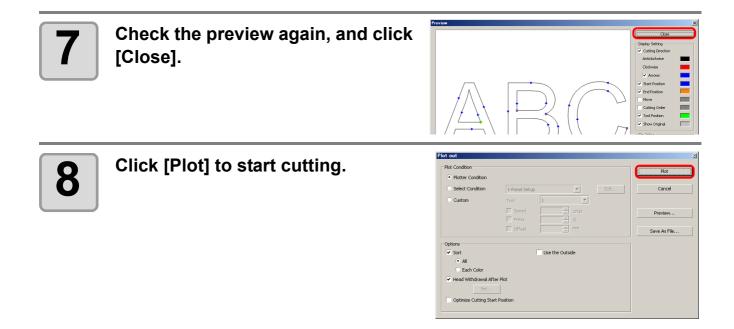
### Click in [Simulation] and check the moves of cutting.

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 [Cut Start Position Setting] ( 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 (M-Head), you can check the following settings on the preview.
  - Cutting start position: Adjust on [Cut Start Position Setting] ( 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:



## **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 (( P.4-10) can be modified or changed.



## Open an image created by Outline Extraction on CoreIDRAW.

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





## Click [ShowEditLineTool] button in the FineCut Command Bars.

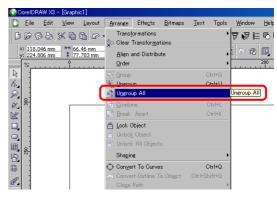




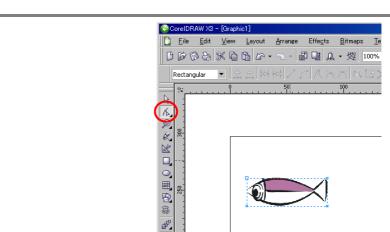
#### Ungroup the object.

Select [Shape Tool].

Click [Arrange] -[Ungroup].

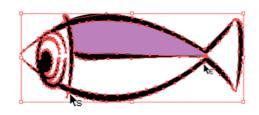






P.

# Select a node or segment of the object and adjust it.





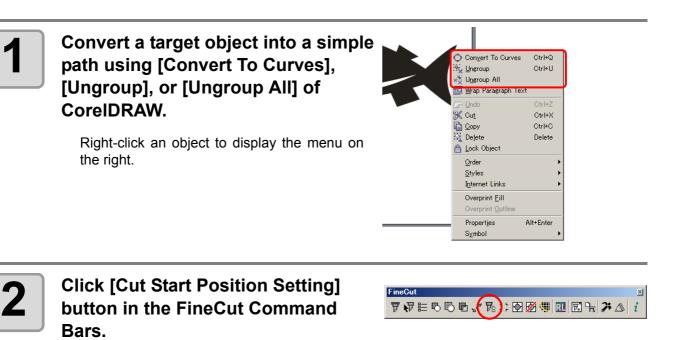
5

• The tools that can be edited for the selected node or segment are shown as active in the [EditLineTool] bar.

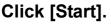
# **Setting Cutting Start Position**

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.





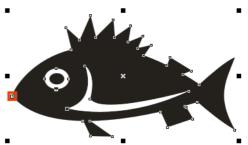






#### Specify the cutting start position.

(1)Available nodes are displayed with square.
(2)Click a target node while holding down the Shift key. The set node turns red.

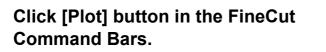




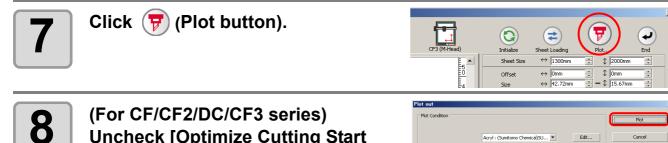
• The set cutting start position is saved as a data of CorelDRAW.











### Uncheck [Optimize Cutting Start Position] and click [Plot] .

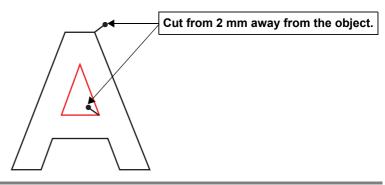
If [Optimize Cutting Start Position] is checked, the cutting start position set before becomes invalid.

t out				
Plot Condition				Plot
	Acryl : (Sumitomo Chemic	al)SU 💌	Edit	Cancel
				Preview
				Save As File
Options				
		Outside		
✓ Sort	Use th			
	✓ Ajust s	art / end		
✓ Sort				
Sort • All	<ul> <li>✓ Ajust s</li> <li>✓ Joint S</li> </ul>		÷ pcs	
<ul> <li>✓ Sort</li> <li>● All</li> <li>○ Each Color</li> </ul>	<ul> <li>✓ Ajust s</li> <li>✓ Joint S</li> </ul>	etting	* pcs	



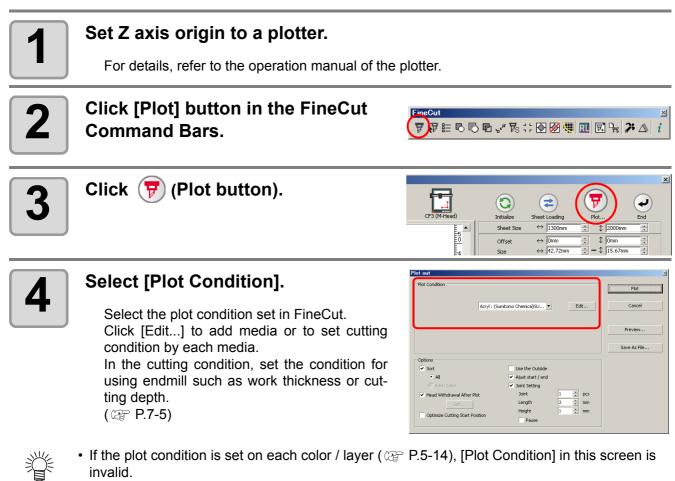
#### • (For CF3 Series (M-Head) only)

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.



• If the plot condition is set on each color / layer ( 2 P.5-14), [Plot Condition] in this screen is invalid.



#### 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.

Edit	Cancel Preview
	Preview
	Save As File
	1
÷ pcs	
÷ mm	
÷ mm	
	÷ mm

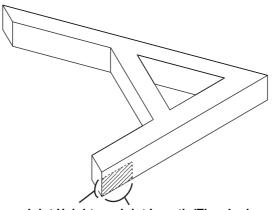
Item	Description
(۵	P.7-25 for the setting other than below)
Optimize Cutting Start Position	<ul> <li>Optimizes the start position of cutting to finish finely.</li> <li>If unchecked, cutting starts from the position that the data started to draw or the position specified by [Cut Start Position Setting].</li> <li>After setting, be sure to check the start position of cutting on the preview.</li> <li>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 CorelDRAW.</li> </ul>
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		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.

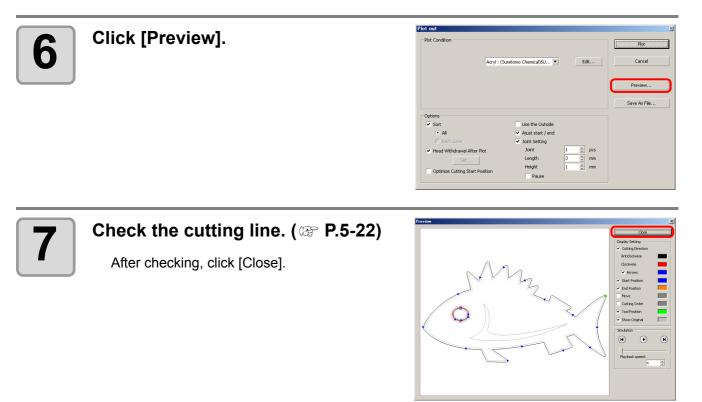


#### **Joint Setting**

- 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)



• The cutting line is offset by half of [End Mill Diameter] set on Output Condition Setup screen or set from [Edit] of Step 4 ( @ P.7-5). Checking the cutline on the preview, adjust the end mill diameter on the Ouput Condition screen.

掌

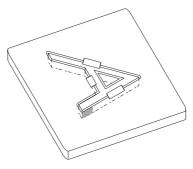


Plot Condition					Plot
	Acryl : (Sumitomo	Chemical)SU 💌	Edit.		Cancel
					Preview
					Save As File
Options Sort		Use the Outside			
• Al		Ajust start / end			
C Each Color		Joint Setting			
<ul> <li>Head Withdrawal After P</li> </ul>		Joint	1 🗘 p	G	
Set		Length		m	
Optimize Cutting Start Po		Height	1 🗧 m	m	

## Ï

• 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.

FineCut Menu	
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Menu	7-2
[Plotter / User Setup] Screen	
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Trace with detail setting	.7-29
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# **FineCut Menu**

### How to display FineCut menu

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

#### From [Tools]-[Customization] menu of CorelDRAW

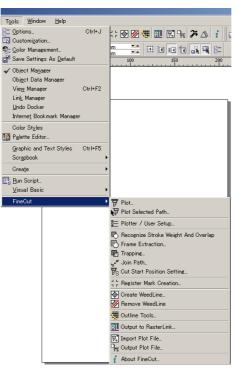
Click [Tools]-[Customization]-[Workspace]-[Customization]-[Command Bars]-[FineCut] to display the screen below.

Click the button on the screen to start each menu.



#### From [Tools]-[FineCut]

Click [Tools]-[FineCut] and click each menu.



### Menu

Button	Menu	Description
দ্ব	Plot	Sets the layout or options of an object to plot. ( @ P.7-15)
₽,	Plot Selected Path	Plots only the selected object.
	Plotter / User Setup	Sets the plotter used, communication condition to the plotter or others. ( $\textcircled{\mbox{\sc phi}}$ P.7-4)

Б	Recognize Stroke Weight and Overlap	Recognizes the stroke weight and overlap of the selected object. ( $\textcircled{P}$ P.4-2)
5	Frame Extraction	Creates a frame for the selected object. ( 2 P.3-4)
P	Trapping	Traps the selected object. ( ( P.4-3)
~***	Join Path	Joins corner points of open paths (The path that the start and the end point is not connected). ( ( P.4-4)
₽s	Cut Start Position Setting	Set the start position of cutting. ( 2 P.6-4)
J L ٦ Г	Register Mark Cre- ation	Creates register marks. (@ P.3-6)
$\mathbf{}$	Create Weed Line	Creates a precut line (weed line) around the object to tear off the sticker with ease. ( ${}^{P.4-5)}$
1	Remove Weed Line	Removes the created weed line.
	Outline Tools	Creates the outline to cut a bitmap image. (
RL	Output to RasterLink	Sends the set file to RasterLink when using CJV30/ TPC series. ( ${}$ P.4-12)
₩.	Import Plot File	Imports a saved plot file. ( 7 P.4-8)
	Output Plot File	Outputs a created plot file to the plotter. ( (2) P.4-8)
2;	ShowEditLineTool	Shows the tools to edit the outline. ( 2 P.6-2)
$\triangle$	Show ShadowEdge Tool	Shows the tools to create a Shadow / Edge on the object. (@P.4-7)
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 Command Bars.

(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.

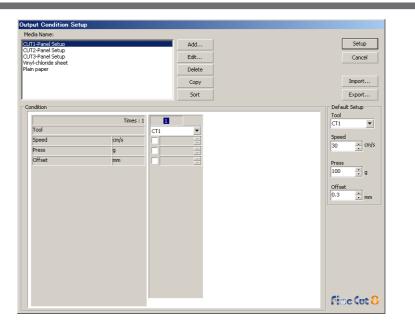
Plot	ter / User Setup	
	Plotter Communicatio	on Plot Dialog Alert Display Other
	Model:	CF2 Series
	Command:	MGL-IIC 💌
	Step Size:	0.025mm
	Approximate Type:	Spline
		Output Condition Setup
1	Иітсікі Гіла	C CUT 8 Setup Cancel

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

### **Output Condition Setup**

#### Common to all models





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

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. ( I next page)
[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.5-14), 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.

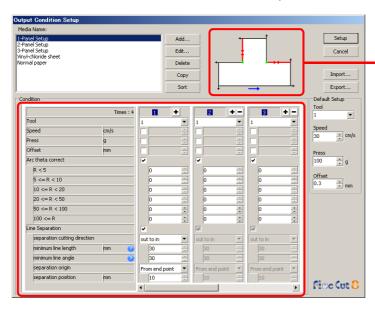
Output Condition Setup			
Media Name:			
CUT1-Panel Setup CUT2-Panel Setup	Add	Setu	
CUT3-Panel Setup Vinyl-chloride sheet	Edit	Cano	1
Plain paper	Delete		
	Сору	Import	
<u> </u>	Sort	Export	
Condition		Default Setup	
Times : 1		Tool	
Tool		CT1	•
Speed cm/s	▼	Speed	
Press g	-	30 *	cm/s
Offset mm			
orrset mm		Press 100 *	g
		Offset 0.3	mm
		fine (u	t 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.)

	ltem	Description	Default
Times		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	<ul><li>Select the tool to be used. Select the tool number or the tool name set on the plotter.</li><li>If the unset tool is selected, an error displays on the plotter. Select the correct tool.</li></ul>	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 ( @P P.4-18)	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.

Output Condition Setup Media Name: Aervi : (Sumitomo Chemical)SUM AP Panel 3: [Endmill : SPB-0066, Form Board 190m; [Endmill : SPB Form Board 30mm [Endmill : SPB	IPEX E 5t [Endmill : 5   -0069] -0070]	PB-0074] P8-0072]	Add Edit Delete Copy Sort	Setup Cancel Import Export	-Shows the items of output condition below
Condition Tool a. Work Thickness Cutting Direction Speed b. Rpm c. Cutting Depth d. 2-Speed e. End Mill Diameter	Times 1 mm cm/s ×1000 rpm mm mm/s mm	MILLING 3 Upcut V 3 V 40 V 3 V 10 V 3			
				fine (ut 8	

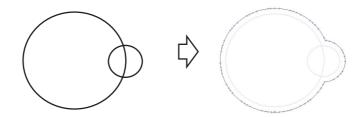
	Item	Description	Default
	Times	Display or set the number of cutting. To cut hard or thick media, set cutting times/speed/pres- sure multiple times for a single cut line. Click	1
	ΤοοΙ	Displays [MILLING].	
а	Work Thickness	Set the thickness of work (media) (50mm maximum). You can set only on the first 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 finish.  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.  End mill direction Up-Cut Down-Cut	Upcut
	Speed	Set the speed of the end mill to move in the direction of travel.	3

	ltem	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.	

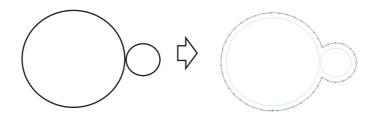
#### Offset

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 CoreIDRAW and the setting of FineCut.

- If paths are crossed, periphery is offset.
- The path in the crossed path is not cut. (Except CoreIDRAW X3)



• 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.



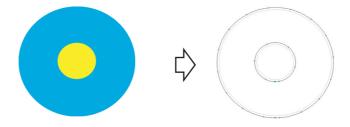
• If one part goes over the other part when offsetting inward, the part over the other part is not cut.



• 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	I. at a set of the	Alert Display Other
F	Plotter communication port: Serial	COM1 💌
	O USB	Not found
	Baud Rate:	9600bps 💌
	Data Length:	8bits 💌
	Parity:	None
	Handshake:	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.

Plotte	er Communication Plot Dialog Alert Display Other
	Default Sheet Size: ↔ 1300mm 🔹 🗘 2000mm 🔹
	Display Type
	C Fit In Sheet Size
	● Fit In Sheet Width
	C Fit In Objects Size

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.	1300mm x 2000mm
Display Type	Select the display type of Plot screen or [Output to Raster- Link] screen.	Fit In Sheet Width

### Alert Display

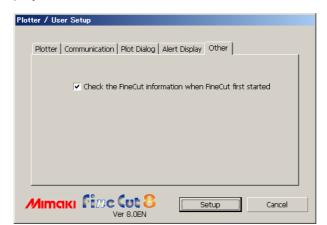
Select the state to display warnings from the following options.

Plotter	Communication   Plot Dialog   Alert Display   Other
	✓ Open Path ✓ Stroke Weight Specified
	✓ Other Path That Cannot Be Plot
	<ul> <li>Register Mark Recognition</li> <li>Output Condition Setup on each color/layer</li> </ul>
Mimo	KI Fine Cut 8 Setup Cancel

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 Mesh Fill tool of CorelDRAW. 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

### Other

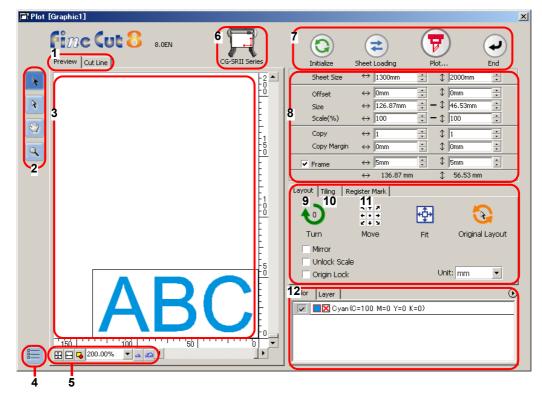
Select whether or not to display "Online information" when CorelDRAW is started.



Item	Description	Default
Check the FineCut information when FineCut first started	FineCut information is obtained when using FineCut first on CoreIDRAW, and if there is a new / unchecked informa- tion, the online information is displayed.	

# [Plot] Screen

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



#### 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. ( $\Im$ P.5-17)
*	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.

### 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, mark appears to the left of Plot button. Click mark to display the contents of the error.

#### **4** Communication setting

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

#### 5 Zoom Size

Change the zoom size displayed on the layout area.

Button	ltem	Description
- <del>1</del>	Fit In Sheet Size	Displays the entire sheet.
<b>⊷</b>	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 %)
<u> </u>	zoom out / zoom in	Zooms in and out the preview.

#### 6 Plotter Name

Displays the plotter name being selected and its cutting direction.

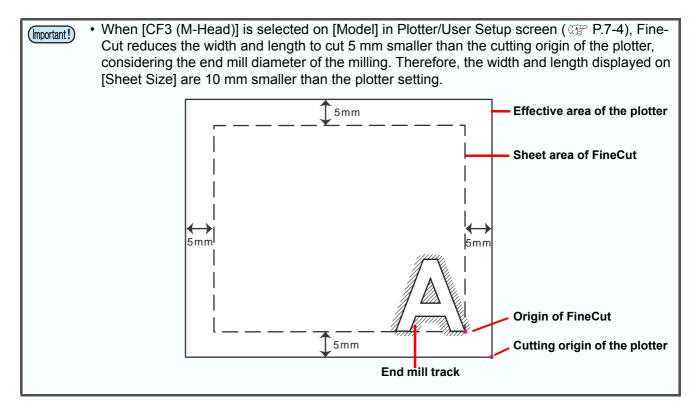
### 7 Execution Button

Button	ltem	Description
٢	Initialize	Initializes the layout of the changed object.
	Sheet Loading	Loads the sheet size set on the plotter.
2		When 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.
	Plot	Displays Plot Out screen. (@ P.7-25)
		When mark 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

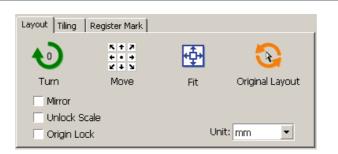
	1	
Sheet Size	↔ 1300mm + 2000mm +	
Offset	↔ Omm ÷ Comm ÷	
Size	↔ 126.87mm ÷ - ↓ 46.53mm ÷	
Scale(%)	$\leftrightarrow 100  \div  - \updownarrow 100  \div  \bullet$	
Сору	$\leftrightarrow \boxed{1}  \div  1  \div  \bullet$	
Copy Margin	↔ Omm · ↓ Omm ·	
Frame	↔ 5mm <u>*</u> \$ 5mm <u>*</u>	
	↔ 136.87 mm	Total Length

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).	



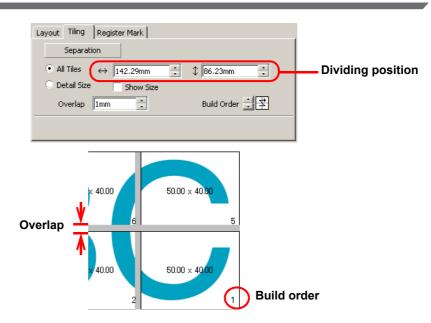
ltem	Description	Default
Offset	Sets the origin position. The origin is set at the bottom right corner (CG/CJV30/ TPC/CF3 series) or the bottom left corner (CF/CF2/DC series) of the layout area. The default origin is at 0 mm (both vertically and horizontally) of the layout area.	0
	CG/CJV30/TPC/CF3 series 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 ( ጬ 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.	0
Frame	Makes and cuts a frame around the target object. In addi- tion, set the distance between the object and the frame. It enables to peel an unnecessary part of the sticker easily.	
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	ltem	Description	Default
	Turn	Rotates the object clockwise in unit of 90 degrees. Degrees (0, 90, 180, 270) are displayed in the arrow mark.	0
K + 7 + • + ¥ + ¥	Move	Click the desired direction of arrow to move the object.	
<b>₽</b>	Fit	Fits the object to the sheet size.	
	Original Layout	Resets to the original layout that is changed by Resets to the original layout that is changed by Reset (Direct Select Tool).	
	Mirror	Reverses the right and left of the object image and cuts it.	unchecked
Unlock Scale (@PP.5-2)		Changes the aspect ratio of the object when changing the size.	unchecked
Origin Lock ( ाङ्घ P.5-8)		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
	Unit	Set the display unit in this screen.	unchecked

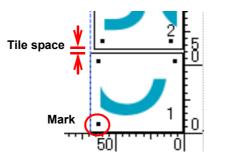
### 10 Tiling (@ P.5-6)



Item	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.	14

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 + 7 + 9 ¥	Move	Click the desired direction of arrow to move the divided objects within the sheet.	
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 M	1ode	Mark Size:	10	Jmm
		Register Ma	rk Inf	0
Plotter:	$\leftrightarrow$	143.5mm	\$	182.65mm
Data:	$\leftrightarrow$	143.46mm	\$	182.97mm
Correct Size:	$\leftrightarrow$	-0.02%	$\updownarrow$	+0.18%

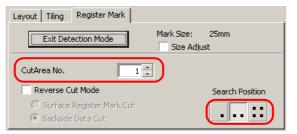
#### CG-FX / FXII / 75ML / 60SR / SRII, CJV30 / TPC series

Layout Tiling Register Mark						
Exit Detection Mode	Mark 9	Size: ) Certifica	10mm tion M	ode		
$\begin{array}{c c} \hline \hline$		÷ 1	1			Continuous cutting
Search Position Fir	rst Time	г г	- r	L 7 F	ы с п г	
Ca	ontinue	г г	<b>٦</b> ٢	L T F	ы L П Г	

#### CF2 / DC / CF3 series

Layout Tiling Register Mark		
Exit Detection Mode	Mark Size: 25mm Size Adjust	
$\square \qquad \qquad$	÷ 1 ÷	Continuous cutting
Reverse Cut Mode	Search Position	
<ul> <li>Surface Register Mark Cut</li> <li>Backside Data Cut</li> </ul>		

#### When the mark is separated



Item 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 sheet (multi-mode) or the leaf sheet (single mode), and set the number of continuous cutting.	Roll Mode (Multi Mode)
Search Position	C IV30 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

Item	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
	Augusti. In oneoked, the bize may be misulighted.	
Reverse Cut Mode (CF2/DC/CF3 series)	Cuts from the back, not from the printed face. ( $\textcircled{P.3-32}$ )	unchecked
When the mark is separatedSelect 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.

Color		0,M=51 80,M=1	Select All Colors Deselect All Colors	Ð
		ne	Specify The Plot Condition Specify The Tool On Each	
			Edit Plot Condition	
	l color object	stroke to cut		Select output condition

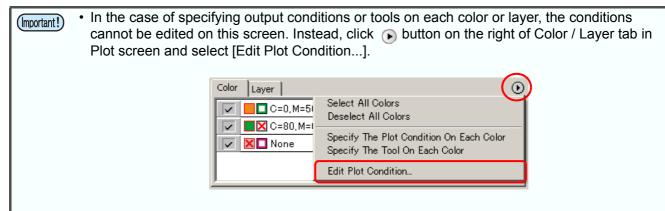
# [Plot Out] Screen

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

Plot Condition	Plot out	CUTI-Panel Setup	Plot Cancel	Buttons
	C Custom	Tool CTI Cn/s Speed Gr/s Press G Offset mm	Preview Save As File	
Options _	Sort  Sort  All  Each Color  Head Withdrawal After  Set	Set		

#### **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. ( 🖙 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
<ul> <li>All</li> </ul>	Auto Cut
C Each Color	Set
🔽 Head Withdrawal After Plot	
Set	

#### CF/CF2/DC/CF3 series

Options
Sort Use the Outside
• All
C Each Color
Head Withdrawal After Plot
Set
Optimize Cutting Start Position

#### CF3 series (M-Head)

Options	
Sort	Use the Outside
• All	🔽 Ajust start / end
C Each Color	Joint Setting
<ul> <li>Head Withdrawal After Plot</li> </ul>	Joint 1 🛟 pcs
Set,	Length 3 🕂 mm
	Height 1 🕂 mm
Optimize Cutting Start Position	Pause
I ♥ Optimize Cutting Start Position	Pause

	ltem	Description	Default
Sort		<ul> <li>Optimizes cutting order of an object automatically.</li> <li>If unchecked, the object is cut from the bottom of the list of the color / layer / Tile.</li> <li>CG / CJV30 / TPC series</li> <li>Sorts to minimize the extra head movement for efficient cutting.</li> <li>CF/CF2/DC/CF3 series</li> <li>Sorts to minimize the extra head movement, and to cut the inside objects first.</li> </ul>	checked
	All	Optimizes cutting order of all the objects.	checked
	Each Color/ Layer/Tile	Optimizes cutting order by each color / layer / tile.	
Head Withdrawal After Plot		<ul> <li>Moves the head to the set position after cutting object.</li> <li>( P.5-20 "Setting Head Position after Plotting")</li> <li>This function cannot be used when [Auto Cut] is checked.</li> </ul>	checked
Sheet Feed (MGL-IIc for CG series only)		Before cutting data, feeds the sheet and confirms whether the entire data can be cut.	unchecked
		<ul> <li>If plotting fails, an error appears on the plotter. In this case, stop plotting, reset the sheet, then restart plotting.</li> </ul>	

	Item	Description	Default
Auto Cut (CG-FX/FXII/75ML, CJV30/TPC series only)		When cutting a roll sheet continuously, the sheet is separated automatically after cutting. (@P.3-16).	unchecked
Optimize C	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
Adjust start / end		<ul> <li>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.</li> <li>When CF3 (M-Head) is used, be sure to check the start position of cutting on the preview after setting.</li> <li>If the cutting line goes over the next object, space among objects on CorelDRAW.</li> </ul>	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**

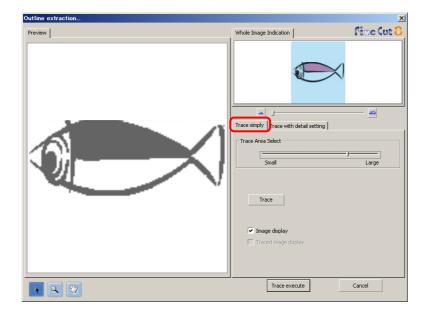
Item	Description
[Plot]	Starts plotting as the set conditions.
[Cancel]	Cancels plotting.
[Preview]	<ul> <li>Previews the plotting with the set condition.</li> <li>Confirm the plotting by preview and adjust the settings.</li> <li>( P.5-22 "Checking the Cutting Process by Preview" )</li> <li>Before starting plotting, be sure to check the cutline on the preview.</li> </ul>
[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.

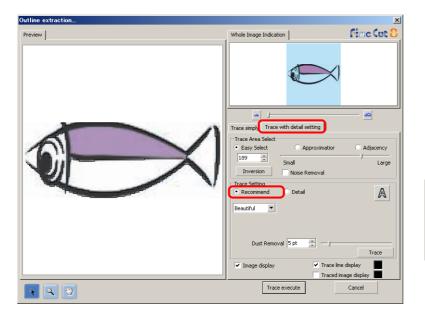
To display this screen, click ([Outline Tools] button) in the FineCut Command Bars.

#### Trace simply



Item	Description
Preview	Displays the image (monochrome) and the traced image.
•	Moves all the object being displayed.
9	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.
*	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.
[Trace]	Click this to check the traced image on the preview.
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. It becomes active when [Trace] button is clicked.

## Trace with detail setting



Trace Setting	• Detail		)	A
Line length	1.21pt	÷	- J	Long
Angle	49	÷		Curve
Dust Removal	5 pt	•		
				Trace

ltem	Description	Default
Preview	Displays the image (monochrome) and the traced image.	
TIEVIEW		
*	Moves all the object being displayed.	
ď	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.	
	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.	
	<ul> <li>For [Approximation] or [Adjacency], decreasing the slider value enables to extract more accurate.</li> </ul>	
[Inversion]	Inverses the select area.	
Noise Removal	Makes a smooth line, reducing uneven outline.	unchecked

Item	Description	Default
Trace Setting (recommended se	etting)	
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]	Click this to check the traced image on the preview.	
Trace Setting (common to the re	ecommended 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 [1] [Output to RasterLink] button in the FineCut menu.

Output to RasterLink Preview	Setting
	Output Cancel
Print Cut Print <u>C</u> ut 8.0EM	1 Select Hot Folder
Display mode	
	Sheet Size ↔ 1300mm + 2000mm +
E	Offset ↔ 0mm 🔹 ‡ 0mm 🛓
E 5 0	Size ↔ 43.72 mm  \$ 16.67 mm
	Copy ↔ 1 * ↓ 1 * Copy Margin ↔ 0mm * ↓ 0mm *
E,	
<u>tõ</u>	↔ 53.72 mm \$ 26.67 mm
	Image: Constraint of the section o
Zoom size display	Pinch Roller Pressure Drying Time 0 sec Set
	Layer ⊕ ⊽ □ 〒 FC Trace Layer1

#### Preview

Displays image of an object. Description Item **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 **Fit In Sheet Size** Displays the entire sheet. **III** Fit In Sheet Width Enlarges the sheet width to full screen. 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. • 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 separated 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. ( P.3-16)	checked

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	<ul> <li>Select/Set the layer to print or plot.</li> <li>Print All Layers Not First All Layers Not First All Layers Not First All Layers Not Cut All Layers Setting by layer</li> <li>Printer Cutting icon Click to put a mark on the printing layer.</li> <li>Cutting icon Click to put a mark on the cutting layer.</li> <li>Setting by layer Click Dutton 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.</li> </ul>	
<ul> <li>When both the print and the cut are marked on the Layer screen shown above, the p 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 the more accurate position.</li> <li>When only cutting is marked on the layer screen, include the register mark in the cutting to cut with the register mark loaded.</li> <li>If not setting [Specify the Cut Condition on Each Layer] or [Specify The Tool On Each it plots with the setting of the plotter.</li> <li>Data is placed with the margin of 0.5mm around.</li> </ul>		
<ul> <li>as the number of registered as the number of registered as the cutting (@ P.3-7) (Activating [Outer Frame)</li> <li>When printing type2 regmark size. (@ P.3-7)</li> <li>Create only one set of registered as the cutting of the condition shown on the condition shown on</li></ul>	• • • • • •	eave a nissed. ister n error.

# [About FineCut] Screen

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

About Mimaki FineCut			×
Мітакі	Fin	c (ut <mark>8</mark>	8.0EN
(C) 2001–201 O MIMAKI ENGINEER Operation Manual			d. In formation
http://www.mimaki.co.jp/english	<u>n/top/</u>		OK

ltem	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.

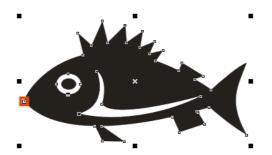
# **Setting Cutting Start Position**

The start position of cutting an object can be specified.

Click 🙀 ([Cut Start Position Setting] button) in the FineCut Command Bars.



• 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 square dot.
Setting cutting start position	Click a target node while holding down the Shift key. The set node turns red.

# **[Online Information] Screen**

Displays the latest information and update information of FineCut.

賞

(Important!) • This screen is not displayed when unconnected to Internet.

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

2010-01-01 FineCut 8.1 released (TEST)     2010-05-20 The CoreIDRAW X5 correspondence version schedules a rel  Description: Details: URL:	Check	Release D		
Details:			FineCut 8.1 released (TEST) The CoreIDRAW X5 correspondence version schedules a rel	
Details:				
	Description	n:		
URL:	Details:			
	UBI :			

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 CorelDRAW next time. (However, if starting [Online Information] from FineCut Command Bars, 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.



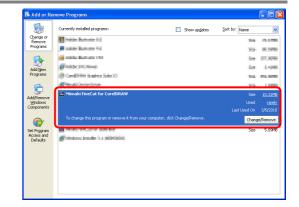
#### Select [Start] - [Control Panel] - [Add or Remove Programs] ([Add or Remove Applications] for Windows 2000).

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



#### **Click** [Mimaki FineCut for CorelDRAW] and click [Change/ Remove] button.

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





4

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

Uninstallation is complete.

Click [Finish].



InstallShield Wizard Complete

stallShield Wizard

2

FineCut uninstallation has been completed successfully.

Finish Cancel

### 7-38

# CHAPTER 8 Troubleshooting



This section describes the troubles and the solutions.

Troubleshooting	8-2
Communication port error occurs while plotting	8-2
Sheet size does not change	8-2
A part of contour protrudes	8-3
Note for cutting an object with a sharp corner	8-3
Note for trapping	8-4
Error Messages	8-5
CoreIDRAW Object List	8-6

# Troubleshooting

### Communication port error occurs while plotting

When using a driver software for the tablet, printer diver, or other peripheral devices using the serial port, the following error may occur as clicking (Plot button).

In this case, change the setting to use the other port.

Mimaki F	ineCut	×
⚠	Cannot find the communication port. Check whether the communication port of "Plotter / User Setup"	is set up correctly.
	OK	
	Mimaki FineCut	I
	Cannot send data to the plotter. Check whether the cable is connected correctly.	
	OK	

### Sheet size does not change

#### When the MGL-IIc commands are used

The sheet size does not change even if shifting the origin on the plotter and click (Sheet Loading button).

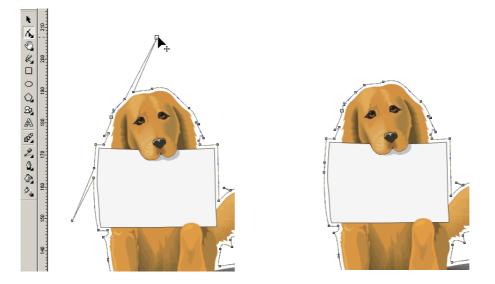
FineCut always displays the sheet size set on the plotter. In this case, the data may be cut overflowed even if the data fits into the cutting area in the layout area.

#### When the MGL-Ic commands are used

FineCut displays the effective cutting area. Therefore, even if shifting the origin on the plotter, the data can be cut normally when the data fits into the cutting area.

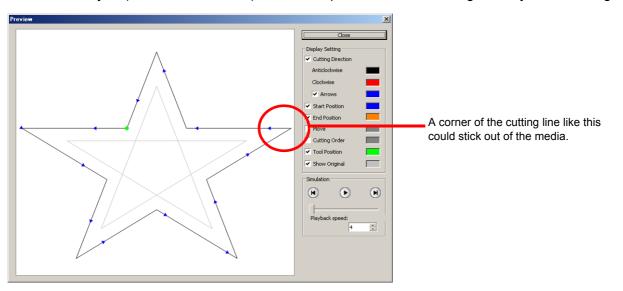
### A part of contour protrudes

A part of contour created with Frame Extraction of FineCut may protrude. In this case, double-click the protruded node, and delete the part with the Shape tool of CorelDRAW. For other node editing functions, refer to the operation manual of CorelDRAW.



#### Note for cutting an object with a sharp corner

Depending on the offset setting, cutting line may stick out of the media (when offset is large), or may cut inside of the object (when offset is small). Check the previews before cutting and adjust the cutting line.



The cutting line of some objects may protrude as the figure above.

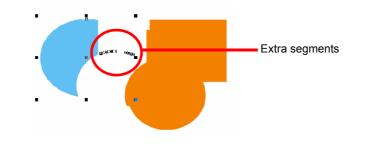
In this case, create an offset on [Frame Extraction], edit cutting data on CoreIDRAW, and then cut it by milling.

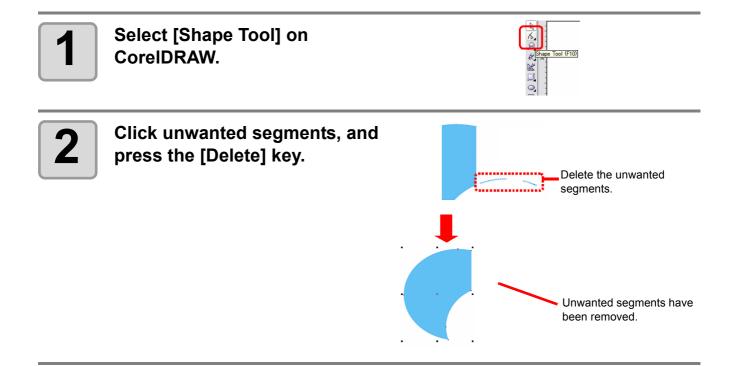
To cut the cutting line, uncheck the [End Mill Diameter] on Output Condition Setup screen.

### Note for trapping

When cutting trapped objects with plotters, some extra segments may be cut, because extra segments are left while trapping.

To delete the unwanted segments, follow the procedures below.





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 Fine- Cut 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.
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.
No USB plotter is recognized. Check whether the USB cable is correctly connected and the plotter is on.	Check the followings. • The USB driver has been installed. • The power of the plotter is ON. • The USB cable is connected correctly.
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 marks using the register mark creation menu of FineCut.	Create register marks on the register mark creation menu of FineCut.
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 FineCut again.
No available paths for FineCut in this document.	Select an available data.
Fails to configure the internet connection. Confirm the setting.	Check the Internet connection and the settings of the PC.
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.	Contact a distributor in your district to call for service.
No valid path.	Check the data.

# **CorelDRAW Object List**

- Be sure to save the data before executing command of the FineCut.
- Overlapped objects sequence may be changed on the [Plot Out] [Preview] screen.
- When executing FineCut command for Wrap Paragraph text, indent setting, or character string combined to an other path, release the Wrap Paragraph text and the character string combined to the other path.
- If [Plot], [Frame Extraction], or [Create Weed Line] fails, try to execute [Recognize Stroke Weight And Overlap]. It may solve the problem.
- When FineCut command fails, try the followings.
  - Reduce of increase the number of selection paths.
  - Draw or erase the outline in the path.
  - Remove complicated effects. (Disassemble character strings into path)
    - 1.Select an object to remove the effects.
    - 2.Select [Arrange] [Break Apart] menu, [Arrange] [Convert To Curves] menu, or [Arrange]-[Command starting with Break<sup>\*1</sup>]
      - (<sup>\*1</sup> A name is different depending on the running effect type)
    - 3.Repeat step 2.

O: Available  $\Delta$  : Partially available X: Unavailable - : No function

### **Function: Plot**

Figure	CorelDRAW Vesion			
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	X
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	Х	X	X	X
Group	0	0	0	0
Combine	Δ	Δ	Δ	Δ
Mesh Fill	X	X	X	x
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	X	X	X	X
Envelope	0	0	0	0
Extrude	Δ	Δ	Δ	Δ
Extrude Bevel	Δ	Δ	Δ	Δ
Transparency	0	0	0	0
Artistic Media	0	0	0	X
Connector	0	0	0	0
Dimension	0	0	0	0
lens	0	0	0	0
Power Clip	0	0	0	0
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	x
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	x
OLE Object	X	X	X	x
Internet Object	X	X	X	x
OLE Barcode	Х	X	X	X
Guideline	X	X	X	X

### Function: Plot Selected Path

Figure	CoreIDRAW Vesion			
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	Х
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	X	X	X	X
Group	0	0	0	0
Combine	Δ	Δ	Δ	Δ
Mesh Fill	X	X	X	X
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	X	X	X	X
Envelope	0	0	0	0
Extrude	Δ	Δ	Δ	Δ
Extrude Bevel	Δ	Δ	Δ	Δ
Transparency	0	0	0	0
Artistic Media	0	0	0	X
Connector	X	X	X	X
Dimension	X	X	X	X
lens	0	0	0	0
Power Clip	0	0	0	0
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	X
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	X
OLE Object	X	X	X	X
Internet Object	Х	X	Х	X
OLE Barcode	Х	Х	Х	X
Guideline	Х	X	X	Х

### Function: Recognize Stroke Weight And Overlap

Figure	CoreIDRAW Vesion			
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	X
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	x	X	x	X
Group	0	0	0	0
Combine	Δ	Δ	Δ	Δ
Mesh Fill	X	X	X	X
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	X	X	X	X
Envelope	0	0	0	0
Extrude	Δ	Δ	Δ	Δ
Extrude Bevel	Δ	Δ	Δ	Δ
Transparency	0	0	0	0
Artistic Media	Δ	Δ	Δ	X
Connector	Δ	Δ	Δ	Δ
Dimension	Δ	Δ	Δ	Δ
lens	0	0	0	0
Power Clip	Δ	Δ	Δ	Δ
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	X
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	X
OLE Object	X	X	X	X
Internet Object	X	X	X	X
OLE Barcode	X	X	X	X
Guideline	X	X	X	X

### Function: Frame Extraction

The kind of figure		CorelDRA	W Vesion	
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	X
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	X	X	X	X
Group	0	0	0	0
Combine	0	0	0	0
Mesh Fill	X	X	X	x
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	X	X	x	x
Envelope	0	0	0	0
Extrude	Δ	Δ	Δ	Δ
Extrude Bevel	Δ	Δ	Δ	Δ
Transparency	0	0	0	0
Artistic Media	Δ	Δ	Δ	X
Connector	Δ	Δ	Δ	Δ
Dimension	Δ	Δ	Δ	Δ
lens	0	0	0	0
Power Clip	Δ	Δ	Δ	Δ
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	x
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	x
OLE Object	X	X	x	x
Internet Object	X	X	X	x
OLE Barcode	X	X	X	x
Guideline	X	X	x	X

## Function: Trapping

Figure	CoreIDRAW Vesion			
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	X
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	X	X	X	X
Group	0	0	0	0
Combine	0	0	0	0
Mesh Fill	X	X	X	X
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	X	X	X	X
Envelope	0	0	0	0
Extrude	Δ	Δ	Δ	Δ
Extrude Bevel	Δ	Δ	Δ	Δ
Transparency	0	0	0	0
Artistic Media	Δ	Δ	Δ	X
Connector	Δ	Δ	Δ	Δ
Dimension	Δ	Δ	Δ	Δ
lens	Δ	Δ	Δ	Δ
Power Clip	Δ	Δ	Δ	Δ
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	X
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	X
OLE Object	X	X	X	X
Internet Object	X	X	X	X
OLE Barcode	X	X	X	X
Guideline	X	X	X	x

## Function: Milling Cut

Figure	CoreIDRAW Vesion			
	X4	X3	12	11
Rectangle	0	0	0	0
Ellipse	0	0	0	0
Curve	0	0	0	0
Polygon	0	0	0	0
Star	0	0	-	-
Complex Star	0	0	-	-
Perfect Shapes	0	0	0	X
Artistic Text	0	0	0	0
Paragraph Text	0	0	0	0
Bitmap	X	X	X	X
Group	0	0	0	0
Combine	0	0	0	0
Mesh Fill	X	X	X	X
Smart Fill	0	0	-	-
Blend	0	0	0	0
Contour	0	0	0	0
Distortion	0	0	0	0
Drop Shadow	Х	Х	Х	X
Envelope	0	0	0	0
Extrude	Δ	Δ	Х	X
Extrude Bevel	Δ	Δ	X	X
Transparency	0	0	0	0
Artistic Media	Δ	Δ	Δ	X
Connector	Δ	Δ	Δ	0
Dimension	Δ	Δ	Δ	Δ
lens	Δ	Δ	Δ	Δ
Power Clip	Δ	Δ	Δ	Δ
Perspective	0	0	0	0
Сгор	0	0	-	-
Symbol	0	0	0	X
Smudge Brush	0	0	0	0
Roughen Brush	0	0	0	0
Roll Over	X	X	X	x
OLE Object	X	X	X	x
Internet Object	X	X	X	x
OLE Barcode	X	X	X	X
Guideline	X	X	X	X

D202142-10-05042010



