GRAPHTEC

ROBO Master

OPS656

USER'S MANUAL

MANUAL NO. OPS656m-UM-155

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1 Introduction

The ROBO Master is editing/output software that enables the creation of outline data consisting of simple objects and text, and the output of the created data to the Craft ROBO Cutting plotter. Furthermore, it supports convenient functions that enable the capturing of image data into the software and the automatic creation of registration marks for Print & Cut applications.

*** Automatic creation of registration marks is available only for the CC330-20.**

1.1 Features

The ROBO Master has the following features:

(1) Supports a function for automatically creating registration marks.
(2) Provides a preview display of a printed image, cut image, or combined image.
(3) Can load DXF files in AutoCAD R13 format.
(4) Allows Output/Do not output selection for each line color when outputting to the Craft ROBO.
(5) To facilitate weeding of the cut media, the Weed Border function enables automatic cutting of a border when outputting to the Craft ROBO.
(6) Any object exceeding the Craft ROBO's cutting range can be output in multiple pages using the Tiling function when outputting to the Craft ROBO.

1.2 System Requirements

The following system environment (higher environment than one your OS recommends) is required to use the ROBO Master.

- Operating System: Windows 2000/Windows XP/Windows Vista
  (64bit OS is not supported.)
- CPU: Pentium III 800 MHz or higher
- Memory: 512 MB or more
- Monitor: 1024 x 768 True color
- Mouse
- CD-ROM drive
- Supported cutting plotter: Craft ROBO (CC300-20/CC330-20)
- Supported printers: Windows-compatible printers (inkjet printers recommended)

Note: When installing the software, be sure to log on using an account with Administrator rights.

1.3 Points to Note

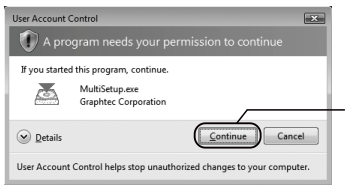
- While importing DXF files only the following DXF objects can be loaded: Lines, polylines, splines, circles, arcs, and ellipses. Block-referenced objects or splines, text, and dimension lines cannot be loaded.
- For details on setting and operating the Craft ROBO, please refer to the Craft ROBO user's manual.

*** In this manual, screens that appear when CC330-20 is connected to Windows Vista are used.**

2 Installing ROBO Master

2.1 Launching the Installer

(1) Set the supplied CD-ROM into the CD-ROM Drive of PC.
The [User account control] screen of software appears.



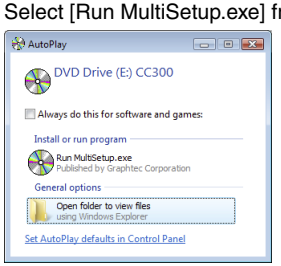
Click [Continue].

When you click [Continue], the [Start] window shown below is displayed.

■ When auto play of software is not set

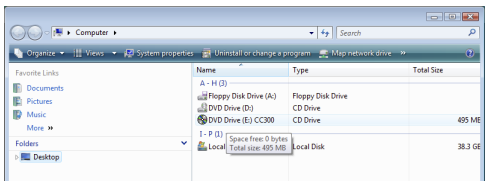
• For Windows Vista:

1. Select [Run MultiSetup.exe] from [Autoplay] Selection menu of Windows.

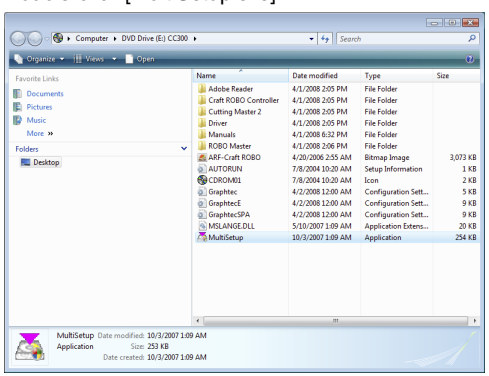


• When [Autoplay] Selection menu does not appear:

1. Select the CD-ROM Drive from Computer, and select [Open] with a right click.



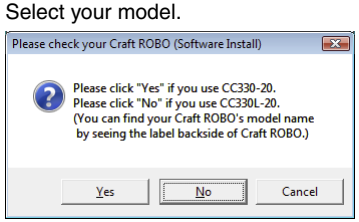
2. Double-click [MultiSetup.exe].



*** For Windows XP/2000, operate in the same manner.**

(2) Click the [Craft ROBO Lite (CC300-20/CC300L-20) Software Install] or [Craft ROBO (CC330-20/CC330L-20) Software Install] button according to your model.

(3) Select your model.



Click [Yes] or [No] to continue.

The installer of "ROBO Master," the software used for Print & Cut, starts up.

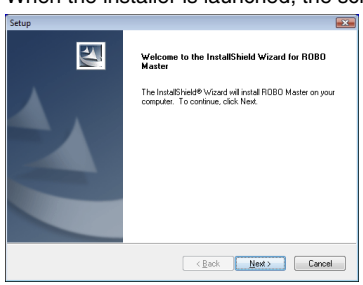
2.2 Installing ROBO Master

Click "Install Craft ROBO Software" in the [Start] window to launch the ROBO Master installer.

Note:
- **Be sure to close any open Windows applications before installing ROBO Master.**
- **If the Craft ROBO Controller has already been installed, select "Control Panel" → "Programs and Features" ("Add or Remove Programs" for Windows XP, or "Add/Remove Programs" for Windows 2000) and then uninstall the program before performing the setup operation.**
- **When the ROBO Master installation operation has been completed, the Craft ROBO Controller and the Craft ROBO driver are installed automatically.**

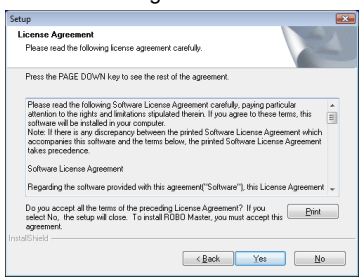
Installation procedure

(1) When the installer is launched, the screen shown below is displayed first.



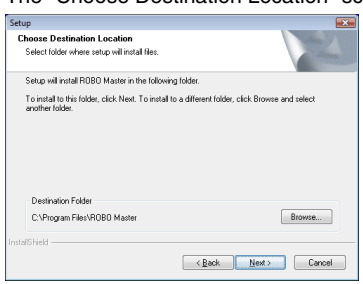
Click [Next] to proceed.

(2) The "License Agreement" screen will be displayed.



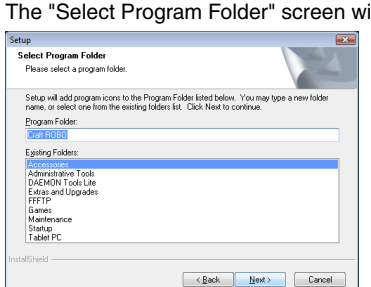
Carefully read the provisions of the agreement, and click [Yes] to continue the installation.

(3) The "Choose Destination Location" screen will be displayed.



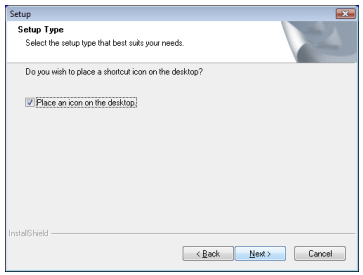
If you want to change the folder, click the [Browse] button and select a folder. Click [Next] to proceed.

(4) The "Select Program Folder" screen will be displayed.



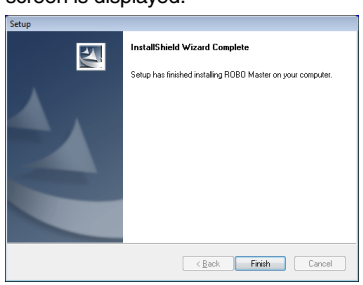
Program Folder is the name of a folder displayed in the Windows [Start] menu. If you do not want to change the folder, simply click [Next] to proceed.

(5) The "Setup Type" screen will be displayed.



Select "Place an icon on the desktop".
Click [Next] to proceed.

(6) When the system has finished copying files, an "Install Shield Wizard Complete" screen is displayed.



Click [Finish] to complete the installation.

(7) When the installation of this program has been completed, the installer will then proceed to install the Craft ROBO Controller and the Craft ROBO driver.

3 Basic Operations

This chapter describes the basic ROBO Master operations, from launching the software application to cutting.

Note: The term "media" as used in the body of this manual refers to paper, film, and other materials to be cut or printed on.

3.1 Launching and Exiting

Launching

Double-click the shortcut icon of the ROBO Master on the Windows desktop to start up the software.

- If you have cleared the "Place an icon on the desktop" check box when installing the software:

Click [Start] → [(All) Programs] → [Craft ROBO] → [ROBO Master] to start up the software.

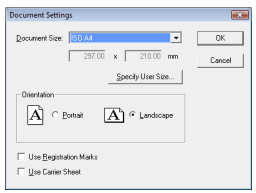
Exiting

To exit, click "Exit" in the [File] menu.

3.2 Initial Steps

First, create a new file for designing the artwork to be printed and/or cut.

(1) Creating a new file
Choose "New" from the [File] menu to display the [Document Settings] window.



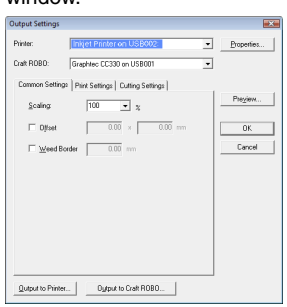
Set the "Document Size" according to the size of the document to be output. Next, choose the "Orientation".

• For the CC330-20:

If you are going to use a printer to print out the artwork and then cut it on the Craft ROBO, select the "Use Registration Marks" check box. If you are only going to perform cutting, leave the check box deselected.
To use the carrier sheet, select the "Use Carrier Sheet" check box.

(2) Click the [OK] button to create the new file.

(3) Setting the output destination
Choose "Output Settings" from the [File] menu to display the [Output Settings] window.



For "Printer", select the printer driver to be used to print.
"Craft ROBO" is displayed when the Craft ROBO driver is installed in your computer. There is normally no need to change this setting. If "Craft ROBO" is not displayed, perform the Craft ROBO setup procedure.

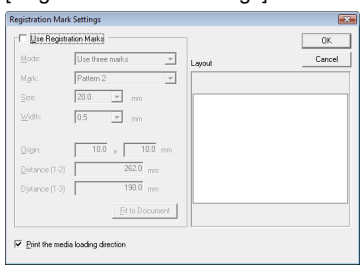
(4) Click the [OK] button to conclude the initial steps.

3.3 Cutting Text Outlines

This section describes the procedure for drawing a text string and then cutting its outline (text border).

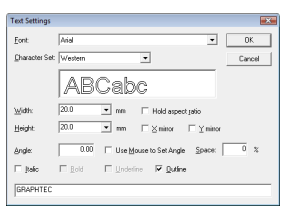
Note: For the CC300-20, be sure to use the carrier sheet.

(1) Registration Mark Settings (This function is available only for the CC330-20.)
Choose "Registration Mark Settings" from the [Edit] menu to display the [Registration Mark Settings] window.

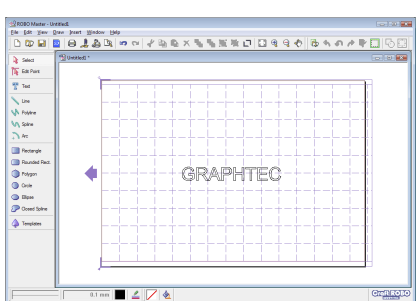


Deselect the "Use Registration Marks" check box, and then click the [OK] button.

(2) Entering a text string
Choose "Text" from the [Draw] menu to display the [Text Settings] window.
In this window, set the "Font", "Charactor Set", "Width", "Height", "Angle", and other parameters, and then enter the text string to be drawn. Select the "Outline" check box. Click the [OK] button.
The text string will be displayed at the cursor position. Left-click at the position at which the text string is to be placed.

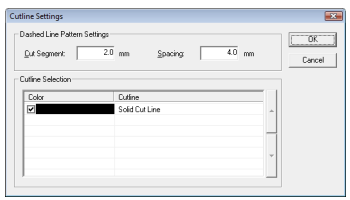


If the "Use Mouse to Set Angle" check box has been selected in the [Text Settings] window, proceed to determining the angle of the text string. As the mouse is moved, the angle of the text string changes. Left-click at the angle to be entered. At this time, if you hold down the [Shift] key while moving the mouse, the text string angle will be changed in 45-degree increments.



(3) Making the cut data settings
Choose "Output Settings" from the [File] menu to display the [Output Settings] window. Choose the [Cutting Settings] tab in this window, and click the [Cutline Settings] button. The [Cutline Settings] window will be displayed. Confirm that the color for the outline of the text string is selected, and that "Solid Cut Line" is selected for "Cutline". Then, click the [OK] button.

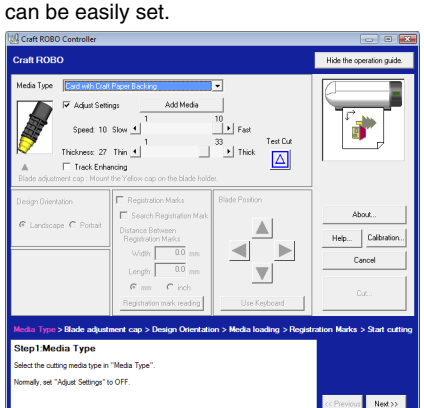
Note: All of the colors used are automatically added to the "Cutting Conditions" list. Deselect the colors that are not used for the cut data.



(4) Previewing the output image
Choose "Preview" from the [File] menu to display the [Preview] window. Choose "Cut" from the [View] menu, and preview the cut line of the image to be output to (to be cut by) the Craft ROBO. To exit Preview, choose "Close" from the [Output] menu.

(5) Outputting to the Craft ROBO

ⓐ Launching the Craft ROBO Controller
Choose "Craft ROBO" from the ROBO Master's [File] menu and then click [OK] in the displayed window to display the "Craft ROBO Controller". The Craft ROBO Controller is the window where cutting conditions for the Craft ROBO can be easily set.



ⓑ Test plotting
To avoid wasting media, we recommend performing test plotting before cutting new or modified design for the first time. Test plotting enables the Craft ROBO to actually draw solid lines using a pen (ball-point pen) where cutlines suppose to be to determine whether the cut data created is output correctly.

Note: To plot cutlines with a ballpoint pen, the optional ballpoint pen plunger is necessary.

ⓑ-1 Mount a pen (ball-point pen) in the Craft ROBO, and choose "Pen" from the "Media Type" drop-down list on the Craft ROBO Controller screen.

ⓑ-2 Load the media (a sheet of A4 or letter-size copy paper can be used here) for test plotting. For "Design Orientation", specify the direction in which the media is loaded.

ⓑ-3 Use the [Blade Position] buttons on the Craft ROBO Controller screen to move the pen to the position where test plotting will be performed, and then click the [Set Origin] button. (If the current position is satisfactory, simply proceed to the next step).

Press the [Cut...] button on the Craft ROBO Controller screen to start drawing the cut line(s).

Note: When you have confirmed that the cut data is drawn correctly, perform test cutting. If the cut data is not correctly drawn, check the design and cut data settings again.

ⓒ Test cutting
Always perform test cutting when any media is to be cut for the first time or the media to be cut (paper or vinyl film) is changed. The media used for test cutting should be the same media that will actually be cut.

ⓒ-1 Choose the media to be cut from the "Media Type" drop-down list on the Craft ROBO Controller screen.

ⓒ-2 Attach the blade adjustment cap, in the color displayed in the Craft ROBO Controller, to the blade holder, and then mount the blade holder in the Craft ROBO.

ⓒ-3 Select the "Adjust Settings" check box to enable test cutting to be performed.

The media will actually be cut during a Test Cutting operation. Use the [Blade Position] buttons on the Craft ROBO Controller screen to move the blade to a position that does not overlap the area where you want to cut your design, e.g. in a corner or near an edge. Do not click the [Set Origin] button at this time. (Refer to the test plot drawn as described in the preceding section to find an area for test cutting that does not overlap your design.)
Click the [Test Cut] button to start the cutting test.
Check the result of the test cutting. If the media is not cut correctly (excessively or insufficiently cut), adjust the length of the blade protruding from the blade holder (referring to the Craft ROBO User's Manual) or select the "Adjust Settings" check box on the Craft ROBO Controller screen and determine the conditions for obtaining the best cutting result.

ⓓ Setting the origin
Before data is cut by the Craft ROBO, the reference point for the cutting area (the origin) can be changed. The origin represents a reference position in the design from which all coordinates are calculated. Cursor coordinates can be observed in the lower-right corner of the ROBO Master window while the design is opened. In landscape orientation, the origin is at the left rear of the Craft ROBO when viewed from the front. In portrait orientation, it is at the right rear of the Craft ROBO as viewed from the front. That position is output so that it corresponds to the lower left corner of the ROBO Master document.

ⓓ-1 Use the [Blade Position] buttons on the Craft ROBO Controller screen to move the blade to the position to be used as the origin.

ⓓ-2 When the position to be used as the origin is reached, click the [Set Origin] button on the Craft ROBO Controller screen. That position becomes the origin.

The "Orientation" setting selection determines the orientation of the design with respect to the origin position. Please refer to the drawing of the Craft ROBO in the upper-right corner of the Craft ROBO Controller screen.

(6) Cutting
Click the [Cut...] button in the lower-right corner of the Craft ROBO Controller screen. The Craft ROBO will begin cutting the outline.

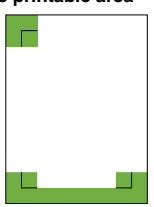
Note: For details on using the Craft ROBO and the Craft ROBO Controller, please refer to the Craft ROBO User's Manual.

3.4 Cutting a Text String Placed Inside an Ellipse (CC330-20 Only)

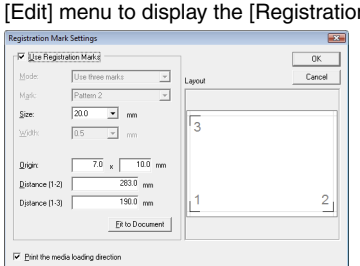
This section describes the procedure for printing an object consisting of a text string placed inside an ellipse, and then cutting the contour of that object. To cut the contours of a printed object, the registration marks must be printed along with the object. Here, we'll create registration marks first, and then draw an ellipse.

Note:

- **When an image is printed out on a printer and then that image is cut by the Craft ROBO, the positions of the printed image and the cut line must be matched. "Registration marks" are the marks that are printed around the image, and they are used to match these positions. The registration marks are shaped like the corners of a square (L), and are placed at three locations enclosing the printed image. Depending on the printer model, the printable area and the printing position with respect to the media may vary slightly. The Craft ROBO reads the registration marks in order to confirm the position of the printed image and then performs cutting at the correct position.**
- **When using registration marks, a fixed area around each registration mark, shaded in the design area of ROBO Master, can't be printed. When registration marks are used, therefore, make sure the object to be printed, such as a picture or text string, does not interfere with the areas shown in green in the figure at the right. However, cut data can be output even for the green areas.**



(1) Registration Mark Settings
First of all, create a new data file.
Next, to create registration marks, choose "Registration Mark Settings" from the [Edit] menu to display the [Registration Mark Settings] window.



Select the "Use Registration Marks" check box, and then set the origin and other registration marks parameters.

Note: For details on setting registration marks, please refer to Section 4.11, "Registration Mark Settings Window (CC330-20 Only)".

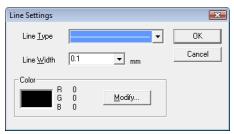
(2) Creating an ellipse

ⓐ Drawing an ellipse

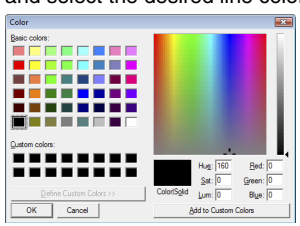
Choose "Ellipse" from the [Draw] menu, and left-click at the point where the center of the ellipse is supposed to be. Drag the mouse away from the center point. An ellipse will be displayed as the mouse is moved. Reshape the ellipse as desired, and click the mouse button again.

ⓑ Setting the line color

With the ellipse that was drawn in (a) selected, choose "Line Settings" from the [Draw] menu to display the [Line Settings] window.

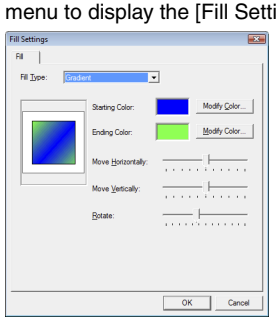


Click [Modify...] in the "Color" section to display the "Color Settings" window, and select the desired line color.



ⓒ Fill settings

With the ellipse that you drew selected, choose "Fill Settings" from the [Draw] menu to display the [Fill Settings] window.



Choose "Solid" or "Gradient" for "Fill Type", and then click the [Modify Color] button to select the color with which the ellipse is to be filled

Note: For details on gradient use, please refer to "Gradient" in Section 4.14, "Fill Settings Window".

(3) Entering a text string

ⓐ Entering a text string

Choose "Text" from the [Draw] menu to display the [Text Settings] window. In this window, set the "Font", "Width", "Height", and other parameters, and then enter the text string (the Outline check box must be deselected). Click the [OK] button. The text string will be displayed at the cursor position. Move the text string into the ellipse, determine the position at which the text string is to be placed, and then left-click the mouse.

ⓑ Setting the text color

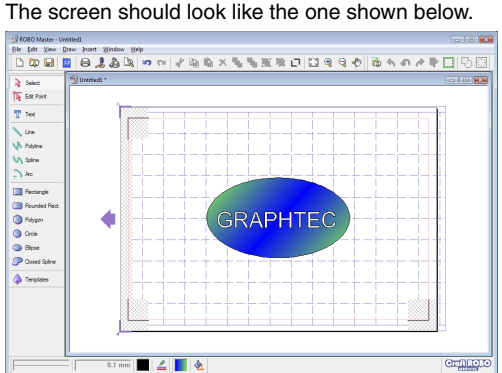
To change text color, with the text string selected, choose "Line Settings" from the [Draw] menu to display the [Line Settings] window. Click [Modify...] in the "Color" section, and select the desired text string (line segment) color. (Be sure to select a color that is not being used for the cut line.)

ⓒ Adjusting the text string

Choose "Select" from the [Draw] menu, and then click the desired text string to display a border enclosing the text string. In this state, the position or height of the text string can be changed. After making the change(s), click any blank space on the screen to deselect it.

Note: For details on editing the position or size of an object, please refer to "Select" in Section 4.1.4, "Draw Menu", and to Section 4.16, "Position Window".

The screen should look like the one shown below.



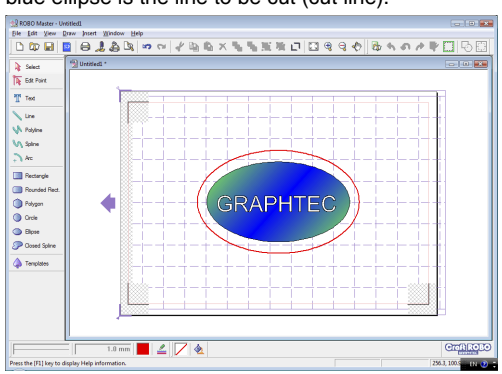
(4) Creating a cut line

ⓐ Drawing a cut line
Create a cut line by drawing another ellipse around the existing one. Choose "Ellipse" from the [Draw] menu, and left-click at the center point of the existing ellipse. An ellipse will be drawn as the mouse is moved. Reshape the ellipse as desired, and left-click the mouse button once again.

ⓑ Setting the color of the cut line
With the cut line ellipse selected, choose "Line Settings" from the [Draw] menu to display the [Line Settings] window. Click [Modify...] in the "Color" section, and select the desired color for the cut line (a color that is not used in the print data). Red was selected for the cut line in the example below.

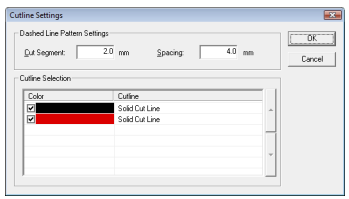
ⓒ Fill settings
With the cut line ellipse selected, choose "Fill Settings" from the [Draw] menu to display the [Fill Settings] window. Choose "Transparent" for "Fill Type".

The screen should look like the one shown below. The red line drawn outside the blue ellipse is the line to be cut (cut line).



Note: In the screen shot, the cut line is drawn in a slightly enlarged size for easy identification. The cut line can be drawn much closer to the outside contour of the blue ellipse than shown here. Moreover, if the border of the ellipse (the black line in this example) is unnecessary, the border can be specified as the cut line.

(5) Making the cut data settings
Choose "Output Settings" from the [File] menu to display the [Output Settings] window. Choose the [Cutting Settings] tab in this window, and click the [Cutline Settings] button. The [Cutline Settings] window will be displayed. Confirm that the color specified for the cut line in (4) - ⓑ above (red in this example) is selected, and that "Solid Cut Line" is selected for "Cutline". Then, deselect all other colors.



In addition, choose the [Print Settings] tab in the [Output Settings] window, deselect the "Print Cut Lines" check box, and click [OK]. If the "Print Cut Lines" check box is selected, the cut line will also be printed when printing is performed.

Note: For details on Output Settings, please refer to Section 4.7, "Output Settings Window".

(6) Previewing the output image
Choose "Preview" from the [File] menu, and switch between "Print" and "Cut" in the [View] menu to confirm the output image. Check that all of the registration marks have been printed. If all of the marks have not been printed, select "Registration Mark Settings" from the [Edit] menu to display the [Registration Mark Settings] window. Change the positions of the registration marks as required.

(7) Outputting the file to the printer
Choose "Print" from the [File] menu to display the [Output to Printer] window. Check that all the details are correct, and then click the [OK] button to perform output on the printer.

Note: For details on operating the printer, please refer to the instruction manual for your printer.

(8) Outputting to the Craft ROBO
Perform the same operations performed in "ⓐ Launching the Craft ROBO Controller", "ⓑ Test plotting" and "ⓒ Test cutting" Step (5), "Outputting to the Craft ROBO", of Section 3.3, "Cutting Text Outlines", from. As registration marks are used here, follow the procedures described below.

(9) Position alignment (Read registration marks) and cutting
Load the media so that the side on which "Feed This Side First" is printed between the registration marks is fed first into the Craft ROBO. Check that the "Search Registration Mark" check box has been selected, and then click the [Cut...] button at the lower-right corner of the Craft ROBO Controller screen. In this case, registration mark reading and cutting are performed in succession.
If the "Failed to Read Registration Marks" error message is displayed, move the pen (blade) to the nearest registration mark and click the [Cut...] button once again.
If the "Failed to Read Registration Marks" error message is displayed again, click the "Search Registration Mark " check box to deselect it, move the tool to the nearest registration mark (within the small green square that is shown in the image of the plotter displayed in the upper-right corner of the Controller screen), and click the [Registration mark reading] button. When the registration marks have been successfully read, click the [Cut...] button.

Note:

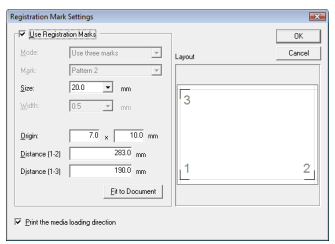
- **If the "Print Media Insertion Direction" checkbox has been deselected in the "Registration Mark Settings" window, printing will not be performed.**
- **For details on using the Craft ROBO and the Craft ROBO Controller, please refer to the Craft ROBO User's Manual.**

3.5 Cutting the Contour of a Printed Image (CC330-20 Only)

This section describes the procedure for loading and printing an image file, and cutting the contour of the image.

Note: • The term "image data" refers to the data from an image file that has been loaded into ROBO Master.
• The term "image file" refers to a data file consisting of pictures or photos (BMP, TIF, JPEG and the like). Here, we'll create registration marks first, and then load an image file.

(1) Registration Mark Settings
First of all, create a new data file.
Next, to create registration marks, choose "Registration Mark Settings" from the [Edit] menu to display the [Registration Mark Settings] window.
Select the "Use Registration Marks" checkbox, and then set the origin and other parameters of the registration marks.

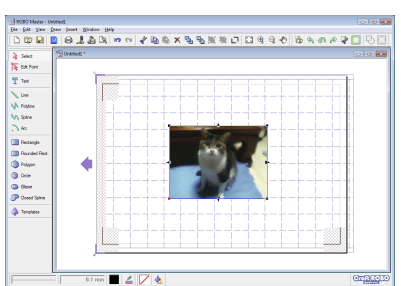


Note: For details on setting registration marks, please refer to Section 4.11, "Registration Mark Settings Window (CC330-20 Only)".

(2) Loading and adjusting an image

ⓐ Loading an image file
Choose "File" from the [Insert] menu to display the [Load File] window. In this window, specify the file to be loaded. An image border will be displayed on the screen. Determine the location at which the image is to be placed, and then left-click.

ⓑ Adjusting the image
If the image data has small squares attached to its four corners, the image data is in the selected status. If it is not selected, choose "Select" from the [Draw] menu and click on the image data. When it is in this status, the image data can be moved or enlarged/reduced.



Note: For details on editing the position or size of an object, please refer to "Select" in Section 4.1.4, "Draw Menu", and to Section 4.16, "Position Window".

(3) Creating cut data

ⓐ Drawing a cut data

Create a cut line with which to cut the contour of the loaded image. Choose "Rounded Rect." from the [Draw] menu, and then left-click at the top left of the image, at a slight distance away from the image. When the mouse is moved, a rounded rectangle is displayed. Move the mouse to the lower right of the image until the image is enclosed by the rectangle, and then left-click once again to complete the rectangle.

Note: [Polygon], [Circle], or other tools can also be used, in addition to [Rounded Rect.], to draw cut data.

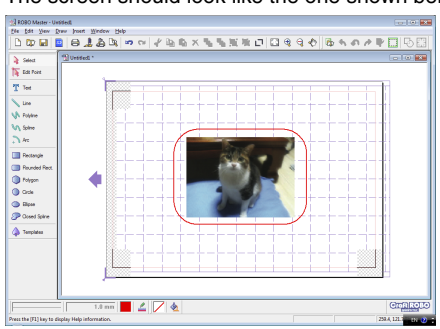
ⓑ Setting the color of the cut data

With the rounded rectangle for the cut data selected, choose "Line Settings" from the [Draw] menu to display the [Line Settings] window. Click the [Modify...] button in the "Color" section, select the desired color for the cut data (red has been selected in the example below) and then click the [OK] button.

ⓒ Fill settings

With the rounded rectangle for the cut line selected, choose "Fill Settings" from the [Draw] menu to display the [Fill Settings] window. Choose "Transparent" for "Fill Type" and then click the [OK] button.

The screen should look like the one shown below.



The red line drawn around the image is the cut data. For demonstration purposes, the cut data is shown slightly larger than it really is. The cut line can actually be created much closer to the image border than shown here.

Note: To cut out a pasted image, with the image selected, click [Clip Image] in the [Edit] menu and then select a closed form tool such as a rectangle. For details, refer to "Clip Image" in Section 4.1.2, "Edit Menu".

ⓓ Cut data settings

Choose "Output Settings" from the [File] menu to display the [Output Settings] window. Choose the [Cutting Settings] tab in this window, and click the [Cutline Settings] button. The [Cutline Settings] window will be displayed. Confirm that the color specified for the cut data in (3)- ⓑ above (red in this example) is selected, and that "Solid Cut Line" is selected for "Cutline". In addition, choose the [Print Settings] tab in the [Output Settings] window, and deselect the "Print Cut Lines" check box. If the "Print Cut Lines" check box is selected, the cut line will also be printed when printing is performed.

Note: For details on the [Output Settings] window, please refer to Section 4.7, "Output Settings Window".

(4) Outputting

ⓐ Previewing the output image

Click [Preview...] in the [Output Settings] window. Switch between "Print Image Only" and "Cut Image Only" in the [View] menu, and confirm the image to be printed and the image to be cut.

ⓑ Outputting to the printer

Choose "Print" from the [File] menu to display the [Output to Printer] window. After confirming the content, click the [OK] button to print.

Note: For details on operating the printer, refer to the user's manual for your printer.

ⓒ Outputting to the Craft ROBO

Perform the same operations described in Step (8), "Outputting to the Craft ROBO", in Section 3.4, "Cutting a Text String Placed Inside an Ellipse (CC300-20 Only)".

3.6 How to Trace and Cut an Outline of an Image (CC330-20 Only)

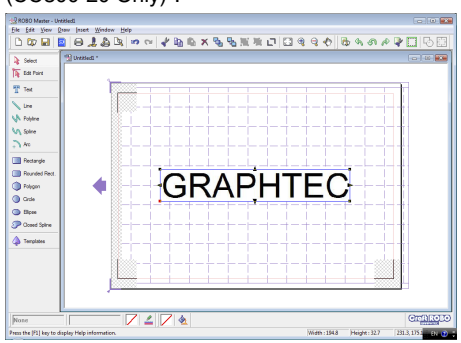
This section describes the procedure for loading an image file, tracing an outline of the image, and then cutting the image by pasting in a cut line.

Note: The term "image file" refers to a data file consisting of pictures or photos (BMP, TIF, JPEG and the like).

Here, we'll create registration marks first, and then load an image file.

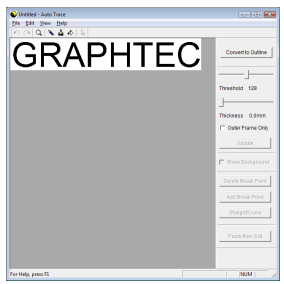
(1) Registration Mark Settings
Perform the same operations as those performed in Step (1), "Registration Mark Settings" of Section 3.5, "Cutting the Contour of a Printed Image (CC330-20 Only)".

(2) Loading and adjusting an image
Perform the same operations as those performed in Step (2), "Loading and adjusting an image" of Section 3.5, "Cutting the Contour of a Printed Image (CC300-20 Only)".

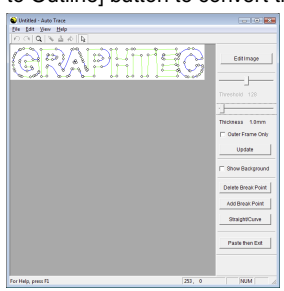


(3) Tracing an outline

ⓐ Tracing an outline
With the image selected, choose "Get Outline" from the [Edit] menu to open the [Auto Trace] window and display the selected image.

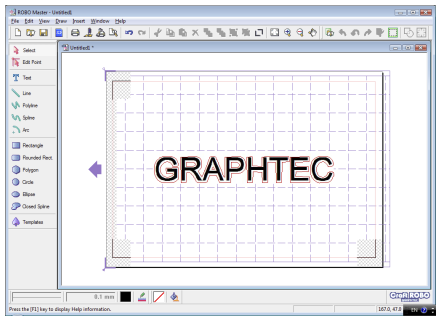


Set the Threshold, Thickness and other parameters, and then click the [Convert to Outline] button to convert the displayed image to an outline.



Note: For details on how to trace the outline, please refer to Section 4.9, "Auto Trace Window".

ⓑ Pasting the outline as a cut line
Select "Paste then Exit" to paste the outline as a cut line in the selected image.



ⓒ Setting the color of the cut line
Perform the same operations as those performed in Step (3) - ⓑ, "Setting the color of the cut data" of Section 3.5, "Cutting the Contour of a Printed Image (CC300-20 Only)".

ⓓ Cut line settings
Perform the same operations as those performed in Step (3) - ⓓ, "Cut data settings" of Section 3.5, "Cutting the Contour of a Printed Image (CC300-20 Only)".

(4) Outputting
Perform the same operations as those performed in Step (4), "Outputting" of Section 3.5, "Cutting the Contour of a Printed Image (CC300-20 Only)".

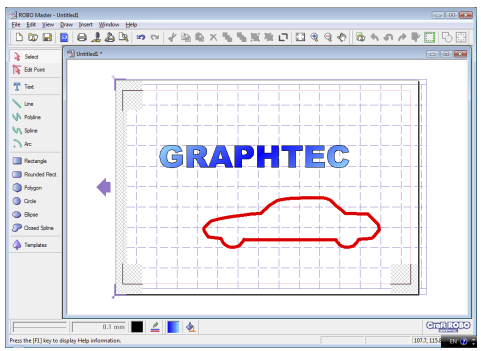
3.7 For Easy Operation

Shortcuts are available for the following operations.

- Dragging with the right mouse button held down to specify an area.
- Areas can also be displayed in the preview screen in the same way by dragging with the right mouse button held down.
- Pressing the [F2] key displays the entire medium.
- Pressing the [F3] key during an enlarged display enables the Move mode. The cursor changes to the shape of a hand, allowing you to scroll the screen in any direction. Hold down the left mouse button, and drag the mouse in the direction in which the screen is to be moved. Press the [F3] key again to exit Move mode.

4 Function Details

4.1 Main Window



4.1.1 File Menu

New ..... Creates a new design.
When "New" is chosen, the [Document Settings] window is displayed. Set the parameters of the media according to the size and orientation of the design to be created, and then click the [OK] button.

Note: For details on the [Document Settings] window, please refer to Section 4.2, "Document Settings Window".

Open..... Opens a saved design.
When [Open] is chosen, the [Open] window is displayed. After selecting the file to be opened, click the [Open] button to open the selected file.

Load DXF ..... Loads DXF files in AutoCAD R13 format.
The DXF objects that can be loaded are limited to line segments, polylines, splines, circles, arcs, and ellipses.

Note: The term "DXF file" refers to an AutoCAD file format.

Thumbnail Browser
..... Calls up the [Thumbnails] window.
A folder list and a preview screen are shown on the left side of the [Thumbnails] window. Saved GSD designs and DXF files in a specified folder are shown on the right side of the window. Double-clicking the displayed image allows the file of that image to be loaded. To close the [Thumbnails] window, click the [x] button at the upper right corner of the window.

Note: The term "Thumbnail" refers to a file represented by its reduced image.

Close ..... Closes the design that is currently being worked on.

Save..... Saves the currently opened design file while preserving the existing file name.

Save As ..... When "Save As" is selected, the [Save As] window is displayed. Specify the save location, specify a file name, and then click the [Save] button to save the file.

Save to SD Card
..... When "Save to SD Card" is selected, the [Save to SD Card] window is displayed.

Note: For details on the [Save to SD Card] window, please refer to Section 4.18, "Save to SD Card Window".

Document Settings
..... Displays the [Document Settings] window.

Note: For details on the [Document Settings] window, please refer to Section 4.2, "Document Settings Window".

Preferences ..... Displays the [Preferences] window.

Note: For details on the [Preferences] window, please refer to Section 4.3, "Preferences Window".

Preview..... Displays an output image of the design to be printed or to be cut.

Note: For details on Preview, please refer to Section 4.4, "Preview Display".

Print..... Displays the [Print] window.

Note: For details on the [Print] window, please refer to Section 4.5, "Output to Printer Window".

Craft ROBO ..... Displays the [Output to Craft ROBO] window.

Note: For details on the [Output to Craft ROBO] window, please refer to Section 4.6, "Output to Craft ROBO Window".

Output Settings
..... Displays the [Output Settings] window in which general settings for output to the printer or Craft ROBO will be made.

Note: For details on the [Output Settings] window, please refer to Section 4.7, "Output Settings Window".

Exit..... Closes the ROBO Master program.

4.1.2 Edit Menu

Undo..... Reverts the immediately preceding editing operation.

Redo..... Re-executes the most recent operation that has been reverted by "Undo".

Cut..... With a shape, text, or image selected, click [Cut...] to cut the selected object from the screen.

Copy ..... With a shape, text, or image selected, click [Copy] to prepare the selected object for copying.

Paste ..... Pastes the cut or copied object.
When [Paste] is clicked after an object is cut, the object is restored at its original position. When [Paste] is clicked after an object is copied, the border color of the copied object changes to yellow. Select that object by left-clicking on it and dragging it. A copy of the same object will appear. Move it to the desired position and then left-click.

Delete ..... Deletes a selected object.

Mirror ..... Creates a mirror image of the selected object.
Both Horizontal Mirror and Vertical Mirror can be used.

Bring to Front... Moves a selected object to the front of all objects on the screen.
If filled objects overlap each other, select one to be placed at the front and click [Bring to Front].

Send to Back ... Moves a selected object to the rear of all objects on the screen.
If filled objects overlap each other, select one to be placed at the rear and click [Send to Back].

Group..... Grouping allows multiple objects to be handled as one object. To group objects, hold down the [Shift] key while clicking on the objects to be included in a group. Click on each object in turn to select it (a large rectangle enclosing the multiple objects selected will appear). While in this state, click [Group]. The grouped objects can be edited by moving or deleting them as one object. When a picture comprised of multiple objects is created, group those objects so that they can then be easily moved together.

Ungroup..... Ungroups grouped objects.
To ungroup a grouped object, select a group to be ungrouped and click [Ungroup].

Rotate Image... Rotates an image 90 degrees each time it is clicked.
Images can be rotated using three rotate commands: "Rotate 90° CCW", "Rotate 180°", and "Rotate 90° CW".

Clip Image ..... Clips an image.

(1) Use "Import File" from the Insert menu to load image data.

(2) While the loaded image data is selected, select the "Clip Image" check box.

(3) The Clipping mode is entered. Select a closed shape such as Square, Polygon, Closed Spline, or Ellipse to draw a shape on the image to be cut out.

(4) Upon completion of drawing, click outside the image. The image that is cut out in the form of the drawn shape will be displayed.

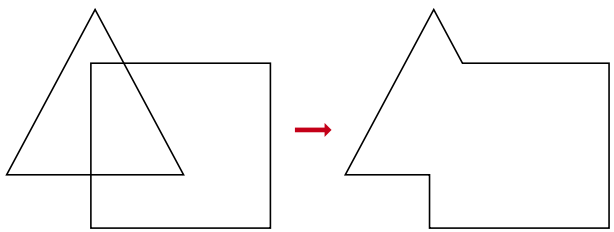
Note: If the clipping shape fully encloses the image, the entire image will be cut out.

Get Outline ..... Displays the [Auto Trace] window.

Note: For details on the Auto Trace function, please refer to Section 4.9, "Auto Trace Window".

Weld Shapes.....Welds the selected objects as shown below.

example:



Offset Shapes.....Displays the [Offset] window.

Note: For details on the Auto Trace function, please refer to Section 4.10, "Offset Window".

Registration Mark Settings
..... Displays the [Registration Mark Settings] window.

Note: For details on the [Registration Mark Settings] window, please refer to Section 4.11, "Registration Mark Settings Window (CC330-20 Only)". Registration marks cannot be used at the same time as the Weed Border function.

Grid Settings.... The term "grid" refers to a grid of solid lines or dots displayed on the screen, which serve as a guide for plotting.

Note: For details on the [Grid Settings] window, please refer to Section 4.12, "Grid Settings Window".

4.1.3 View Menu

Fit..... Changes the display range of the design currently being worked on, along with the display scale, so that the entire media can be viewed.

Zoom In ..... Enlarges the display of the data currently being worked on.

Zoom Out..... Reduces the display of the data currently being worked on.

Move..... Selecting "Move" enables Move mode, and selecting it once again cancels Move mode.
In Move mode, the cursor changes to the shape of a hand, allowing the screen to be scrolled by dragging using the mouse, and allowing the entire region of the media to be viewed.

Note: "Move" can be used only when the media is displayed in enlarged view. When the entire media is being displayed, the displayed range cannot be moved.

Tool Bar ..... Specifies whether to show or hide the Tool buttons and the Tool Bar in the main screen.
If the mouse cursor is placed over the "Tool Bar", five lists of tools are displayed: "Standard Tools", "Edit Tools", "Draw Tools", "Line Tools", and "Fill Tools". Click on any tool to display it. The displayed tool is flagged by a check mark.

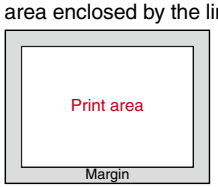
Note: Each of the tool buttons is assigned the functions selected from the menu, allowing any of these commands to be invoked by clicking on the tool button. The assigned function of a tool button is displayed as a Tool Tip (simple explanation) when the mouse cursor is placed over the tool button for a few seconds.

Status Bar..... Allows the status bar to be shown or hidden.
The status bar is located at the bottom of the main window, and displays the status and a simple explanation of each function.

Registration Marks
..... Specifies whether to display registration marks on the screen.
This function can only be used when the "Use Registration Marks" check box has been selected in the [Registration Mark Settings] window.

Note: For details on registration marks, please refer to Section 4.11, "Registration Mark Settings Window (CC330-20 Only)".

Print Area ..... The "print area" is a printable range specified according to the media size on the [Print Settings] tab of the [Output Settings] window, not including the margins specific to the printer.
When "Print Area" is selected, the printable area is displayed. The inner area enclosed by the lines is the area where cutting can be performed.



Cut Area ..... Shows or hides the cut area.
The cut area is the area indicated by the thin red lines on the screen.

Note: Data that is outside the red lines will not be cut.

View Grid..... Displays a grid.

Note: The term "grid" refers to a grid of solid lines or dots displayed on the screen, which serves as a guide for drawing.

Snap to Grid .... When "Snap to Grid" is selected, placing or moving of a shape aligns it with a grid by snapping the red handle with the grid intersection.

Note: For details on the grid, please refer to Section 4.12, "Grid Settings Window".

View Meshes.... Displays meshes of the carrier sheet when the "Use Carrier Sheet" check box is selected.

4.1.4 Draw Menu

Select..... This is the tool for selecting a previously drawn shape.
When a shape is selected, small square and/or triangle handles are displayed around it. In this state, the operations described below can be performed.

- Changing position
  When the mouse cursor is placed over the shape, the cursor will change to the shape of a hand. The position of the shape can be changed by dragging it in this state.
- Editing the shape
  When the mouse is placed on a small black square or triangle, the cursor changes in shape to a bidirectional arrow. Dragging the mouse in this status enables resizing with the width-to-height ratio locked. To enable resizing with the width-to-height ratio unlocked, drag the mouse while holding down a [Shift] key.
- Rotating the shape
  When the shape is clicked again, corner handles turn to small circles. When the mouse cursor is placed over a circle handle, the cursor will change shape to a bidirectional arrow ring. The shape can be rotated by dragging it in this state.

Note: Imported images cannot be rotated this way. For details on rotating images, please refer to "Rotate Image" in Section 4.1.2, "Edit Menu". Nor can images be rotated when a line segment or image and a shape are grouped together, or when an image and a shape are selected simultaneously.

Edit Point... This is the tool for moving one of the bend points of a shape to change its form.
The effect of the [Edit Point] tool varies with each shape.

- Polyline, polygon, spline, and closed spline

  Moving Anchor Point:
  When one of these shapes is clicked, a black square handle is displayed at each bend point, so dragging a handle, after left-clicking on it to select it, allows the bend point to be moved as desired.

  Add Anchor Point:
  Right-clicking on a line of the shape allows a bend point to be added at the position of the click. Additional bend points allow more flexibility in changing the shape of an object. Right-clicking on a point allows the point to be deleted.

Note: For splines and closed splines, a point cannot be moved to the same coordinate as that of the point immediately preceding or following it.

- Arc
  When an arc is clicked, small black squares are displayed at both ends of it, allowing the start or end point of the arc to be changed. (The center and radius of the arc are fixed during the procedure.)

Note: When another shape (line segment, text, rectangle, circle, ellipse, image, or grouped shape) is clicked, an object selection tool is invoked.

Text ..... Selects the tool for creating a text string.
Follow the procedure specified below to create a text string.

(1) Select the [Text] tool to display the [Text Settings] window.
(2) In the [Text Settings] window, make the necessary settings, enter the text string and then click the [OK] button.
(3) The entered text string will be displayed at the side of the cursor. Move it to the desired location and click to specify the position.

Note: For details on the [Text Settings] window, please refer to Section 4.15, "Text Settings Window".

Line ..... Selects the tool for creating a line segment.
Follow the procedure specified below to create a line segment.

(1) Select the [Line] tool. The cursor will change to the shape of a cross.
(2) Click on the start point to specify it.
(3) Click on the end point to specify it.

Note: If the [Shift] key is held while clicking on a point, the position that can be specified as the end point will be limited to an angle in 45-degree increments from the start point.

Polyline..... Selects the tool for creating a polyline.
Follow the procedure specified below to create a polyline.

(1) Select the [Polyline] tool. The cursor will change to the shape of a cross.
(2) Click on the start point to specify it.
(3) Sequentially click on passage points to specify them.
(4) Double-click at the position that is to be the end point.

Note: If you hold down the [Shift] key while clicking on a point, the position that can be specified as a passage point or the end point will be limited to a direction in 45-degree increments from the immediately preceding point.

Spline..... Selects the tool for creating a spline.
Follow the procedure specified below to create a spline.

(1) Select the [Spline] tool. The cursor will change to the shape of a cross.
(2) Click on the start point to specify it.
(3) Sequentially click on passage points to specify them. (Adjacent points are linked with a spline.)
(4) Double-click at the position that is to be the end point. (Before specifying the end point, at least two points including the start point must be specified.)

Note: Passage points and the end point cannot be entered at the same coordinate as that of the immediately preceding point.

Arc..... Selects the tool for creating an arc.
Follow the procedure specified below to create an arc.

(1) Select the [Arc] tool. The cursor will change to the shape of a cross.
(2) Click to specify the position of the center point of a circle including the arc to be created.
(3) As the mouse is moved, a circle is displayed around the center point specified above. The distance by which the mouse cursor is moved from the center is the radius of the circle. When the circle is of the desired size, click to confirm. The point at which you've clicked is the start point of the arc.
(4) Move the mouse to draw an arc, and click at the end position to specify it.

Note: If you hold down the [Shift] key while specifying the end position of the arc, the arc can be drawn in increments of 45 degrees.

Rectangle.. Selects the tool for creating a rectangle.
Follow the procedure specified below to create a rectangle.

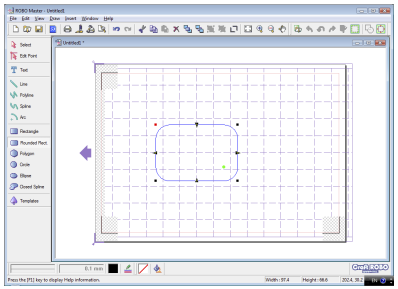
(1) Select the [Rectangle] tool. The cursor will change to the shape of a cross.
(2) Click at one of the corners of the rectangle to be created to specify it.
(3) Click at the opposite corner of the rectangle to specify it.

Note: If you hold down the [Shift] key while clicking, a square can be created.

Rounded Rect.
..... Selects the tool for creating a rounded rectangle.
Follow the procedure specified below to create a rounded rectangle.

(1) Select the [Rounded Rect.] tool. The cursor will change to the shape of a cross.
(2) Click at one of the corners of the rounded rectangle to be created to specify it.

(3) Click at the opposite corner of the rounded rectangle to specify it.



Note:
- **Immediately after a rounded rectangle is created, a green circle is displayed in it. Dragging that circle allows the roundness of the rectangle to be adjusted.**
- **If you hold down the [Shift] key while dragging, a square with rounded corners can be created.**

Polygon ..... Selects the tool for creating a polygon.
Follow the procedure specified below to create a polygon.

(1) Select the [Polygon] tool. The cursor will change to the shape of a cross.
(2) Click at one of the corners of the polygon to be created to specify it.
(3) Sequentially click at the successive corners of the polygon to specify them.
(4) Double-click at the last corner of the polygon.

Note: When square handles are displayed at each bend point of the polygon immediately after its creation, the handles can be moved in order to finely adjust the shape of the polygon. In addition, the [Edit Anchor Point] button can be used to finely adjust the polygon later.
If you hold down the [Shift] key while specifying points, the specifiable position will be limited to a direction in 45-degree increments from the immediately preceding point.

Circle ..... Selects the tool for creating a circle.
Follow the procedure specified below to create a circle.

(1) Select the [Circle] tool. The cursor will change to the shape of a cross.
(2) Click to specify the center point of the circle to be created.
(3) As the mouse is moved, a circle is displayed with the specified point as the center point. The distance that the mouse is moved from the center point determines the radius of the circle. When the circle is of the desired size, click to finish.

Ellipse ..... Selects the tool for creating an ellipse.
Follow the procedure specified below to create an ellipse.

(1) Select the [Ellipse] tool. The cursor will change to the shape of a cross.
(2) Click to specify the center point of the ellipse to be created.
(3) As the mouse is moved, an ellipse is displayed with the specified point as the center point. When the mouse is moved in the vertical direction the ellipse is enlarged in the vertical direction; when it is moved in the horizontal direction the ellipse is enlarged in the horizontal direction.

Note: If you hold down the [Shift] key while dragging, the ellipse will become a circle.

Closed Spline
..... Selects the tool for creating a closed spline.
Follow the procedure specified below to create a closed spline.

(1) Select the [Closed Spline] tool. The cursor will change to the shape of a cross.
(2) Click at any point to start a closed spline.
(3) Click at another point to specify it. When the mouse is moved, the displayed spline becomes looped.
(4) Specify successive passage points to draw a closed spline as desired.
(5) Double-click at the last point of the closed spline to finish.

Note: Passage points and the end point cannot be entered at the same coordinate as that of the immediately preceding point.

Templates
..... Templates such as hearts that are often used are stored here.
These shapes can be freely called up and used in any design, and the called up shapes can be edited in the same way as drawn shapes.
Follow the procedure specified below to call up the shapes.

(1) Select the [Templates] tool to display the shapes stored in ROBO Master.
(2) Select the shape you want to use, and then double-click it with the mouse.
(3) The selection window closes, and a frame representing the size of the shape is displayed next to the mouse cursor.
(4) Move the cursor to the position at which the shape is to be placed, and then click to finish.

Line Settings
..... Displays the [Line Settings] window to set line types, line widths, and line colors.

- If this window is opened while a shape is selected, it changes the settings of the selected shape.
- If this window is opened while no shapes are selected, the line settings are reflected on the shape to be created hereafter.

Note: For details on the [Line Settings] window, please refer to Section 4.13, "Line Settings Window".

Fill Settings
..... Displays the [Fill Settings] window for setting the fill of closed shapes.

- If this window is opened while a shape is selected, it changes the settings of the selected shape.
- If this window is opened while no shapes are selected, settings are reflected on the shape to be created hereafter.

Note: For details on the [Fill Settings] window, please refer to Section 4.14, "Fill Settings Window".

Text Settings .... Displays the [Text Settings] window for setting text fonts and sizes.

- If this window is opened while a text string is selected, it changes the settings of the selected text string.
- If this window is opened while no text strings are selected, settings are reflected on the text string to be created hereafter.

Note: For details on the [Text Settings] window, please refer to Section 4.15, "Text Settings Window".

Position Settings
..... Displays the [Position] window to set the positions, sizes, and angles of rotation of shapes.
Selecting a shape enables this menu item.

Note: For details on the [Position] window, please refer to Section 4.16, "Position Window".

4.1.5 Insert Menu

Select Source
..... Selects one of the TWAIN drivers for scanners enabled in Windows.

Acquire ..... Launches the selected TWAIN driver and captures a raster image from the scanner.
After the image has been captured, a rectangle representing the size of the image is displayed next to the cursor. Move the cursor to the position at which the image is to be placed, and then click to finish.

File..... Loads an image file or metafile (WMF file).
When "Load File" is selected, the [Open] window is displayed. Select the desired image file or metafile in the [Open] window, and then click the [Open] button to place the loaded image. A rectangle representing the size of the image for loading is displayed next to the cursor. Move the cursor to the position at which the image is to be placed, and then click to finish.

Metafile Settings
..... Displays the [Metafile Loading Settings] window.
In this window, the display colors of the cutlines embedded into Windows metafile can be changed.

Note: For details on the [Metafile Loading Settings] window, please refer to Section 4.17, "Metafile Loading Settings Window".

4.1.6 Window Menu

Cascade ..... This command rearranges non-minimized windows on top of each other.

Tile Horizontal
..... This command rearranges non-minimized windows by aligning them horizontally on the screen.

Tile Vertical ..... This command rearranges non-minimized windows by aligning them vertically on the screen.

Arrange Icons
..... This command rearranges minimized windows by aligning them with the lower left corner of the screen.

4.1.7 Help Menu

ROBO Master hints
..... Opens a Tips window for the ROBO Master.

User's Manual.. Opens this manual.

Support Information
..... Assuming connection to the Internet, this command launches the web browser and opens the Graphtec web site.

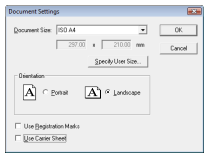
About ..... Displays the version information of the ROBO Master.

4.1.8 Craft ROBO Logo

..... Clicking the [Craft ROBO] icon at the lower right corner of the screen displays the Graphtec web site.

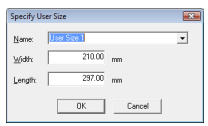
4.2 Document Settings Window

Displayed by selecting "Document Settings" from the [File] menu, this window enables setting of the size of the design to be created.



Document Size
..... Sets the document size according to the size of the created design.

- Editing the document size
  To edit the document size as desired, select "Specify User Size..." To use other than the designated document size, set the desired width and length here, and select it in "Document Size" drop-down list.
  The [Specify User Size] window has the following items.



Name: Select the name of the document which width and length are to be edited. Although the document name can be edited, a document name that already exists cannot be used.

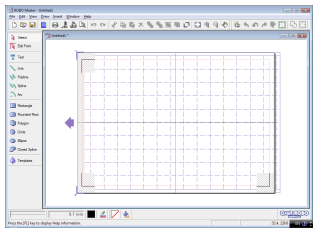
Note: Commas (,) cannot be used in a document name.

Width: Specify the document width in 0.01-mm units. (in the range from 50.80 to 215.90 mm)

Length: Specify the document length in 0.01-mm units. (If your model is the CC300-20, or the CC330-20 and the "Use Carrier Sheet" check box is selected, the setting range is from 50.80 to 305.00 mm. If your model is the CC330-20 and the the "Use Carrier Sheet" check box is not selected, the setting range is from 50.80 to 1025.00 mm.)

Orientation..... Specify "Portrait" or "Landscape" as the media orientation.

Note: If the document size specified in the [Document Settings] window is larger than the media size set on the [Print Settings] tab of the [Output Settings] window, selecting the "View Print Area" check box displays the printable areas on the media selected on the [Print Settings] tab side by side so as to cover the entire document size specified in the [Document Settings] window. For example, if a document size of A4 and Landscape orientation were selected in the [Document Settings] window and A6 and Landscape orientation selected in the [Print Settings] tab, the screen will look like the one shown.



Use Registration Marks (This function is available only for the CC330-20.)
..... Turns the printing of registration marks on or off.

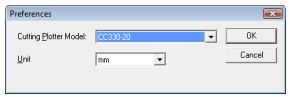
Note: For details on the Registration Marks, please refer to Section 4.11, "Registration Mark Settings Window (CC330-20 Only)".

Use Carrier Sheet.....Specifies whether to use the carrier sheet.
When this check box is selected, the image of the carrier sheet is displayed on the screen.

Note: "Use Carrier Sheet" is always selected for the CC300-20 and this setting cannot be changed.
Turning "View Mesh" allows you to confirm the cutting area using the meshes of the carrier sheet displayed on the screen.

4.3 Preferences Window

This window is displayed when "Preferences" is selected from the [File] menu.

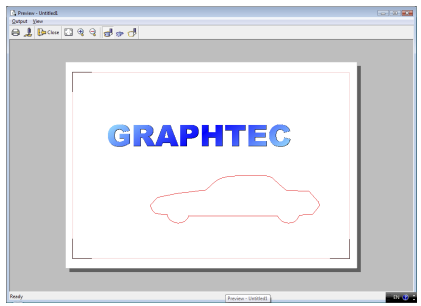


Cutting Plotter Model
..... Selects the model name of your Craft ROBO.

Unit ..... Sets the unit used for dimensions.
Here, select "mm" or "inch". The unit specified here applies to all dimensions in the ROBO Master.

4.4 Preview Display

When "Preview" is selected from the [File] menu, the main window changes to the preview display mode.



4.4.1 Output Menu

Print ..... Outputs the data currently displayed in preview to a printer.

Craft ROBO ..... Outputs the data currently displayed in preview to the Craft ROBO.

Close ..... Closes the preview display mode.

4.4.2 View Menu

Fit..... Changes the preview display range and scale so that the entire media can be viewed.

Zoom In ..... Enlarges the preview display.

Zoom Out..... Reduces the preview display.

Print & Cut ..... Changes the target to be displayed in preview.
The image to be printed and the image to be cut are displayed on top of each other.

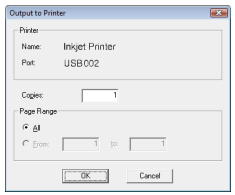
Print Image Only.. Changes the target to be displayed in preview.
Only the image to be printed is displayed. If the "Print Cut Lines" check box on the [Print Settings] tab of the [Output Settings] window is selected, the image is displayed in preview along with the cut line. Therefore, the display is the same as that for Print & Cut.

Cut Image Only.. Changes the target to be displayed in preview.
Only the output image for the Craft ROBO is displayed. The line that has had its color selected (flagged by a check mark) in "Cutline Settings" is displayed as the cut line.

Note: "Cut Image Only" cannot be selected if no colors are selected as cut lines in [Cutline Settings].

4.5 Output To Printer Window

This window is displayed when "Print" is selected from the [File] menu.



Printer..... Displays the driver name and the output destination port of the currently selected printer.

Copies ..... Specifies the number of copies.
It can be specified in the range of 1 to 999.

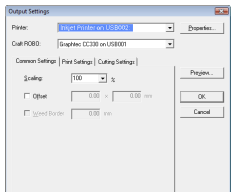
Page Range..... Specifies the pages to be printed.
Select from two choices: "All" (all pages) or "From" (start page) and "to" (end page).

Note: "From" and "to" can only be selected when the data to be printed consists of multiple pages (two or more pages).

OK ..... The data currently being worked on is output to the printer.

4.6 Output to Craft ROBO Window

This window is displayed when "Craft ROBO" is selected from the [File] menu.



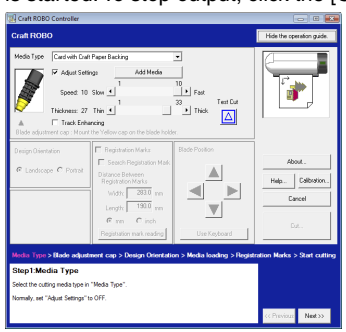
Craft ROBO ..... Name: Displays the Craft ROBO driver.
Port: Displays the destination port to which to output.

Copies ..... Specifies the number of copies.
It can be specified in the range of 1 to 999.

Page Range..... Specifies the pages to be cut.
Select from two choices; "All" or "From" and "to."

Note: "From" and "to" can only be selected when the data to be cut consists of multiple pages (two or more pages).

OK ..... Clicking the [OK] button launches the Craft ROBO Controller.
When the [Cut...] button is clicked after the necessary operation is performed using the Craft ROBO Controller, output to the Craft ROBO is started. To stop output, click the [Cancel] button.

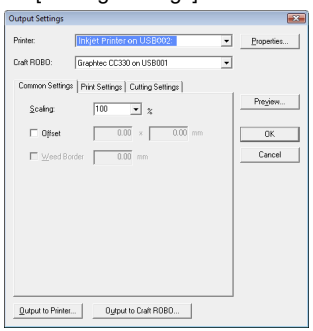


4.7 Output Settings Window

This window is displayed when "Output Settings" is selected from the [File] menu.

4.7.1 Always Displayed Items

The following explains the items that are always displayed around the [Common Settings], [Print Settings], and [Cutting Settings] tabs of this window.



Printer..... Displays all of the printer driver names and their ports registered in Windows.
Specify the driver to be used for output to a printer.

Note: For details on the printer driver, please refer to the user's manual for your printer.

Properties..... Displays a setup window for the printer driver for the selected printer.

Craft ROBO ..... Displays the Craft ROBO driver name and the output destination port.

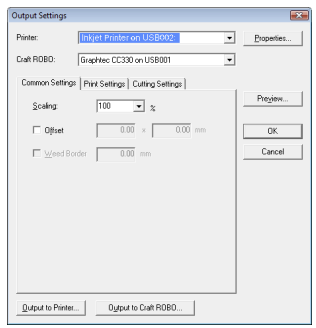
Preview..... Confirms the content of the output settings that have been set and displays the preview.

Output To Printer
..... Confirms the content of the output settings that have been set and displays the [Output to Printer] window.

Output To Craft ROBO
..... Confirms the content of the output settings that have been set and displays the [Output to Craft ROBO] window.

4.7.2 Common Settings

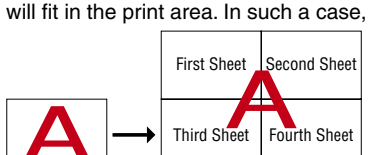
The content of settings made using the [Common Settings] tab are common to the printer and the Craft ROBO.



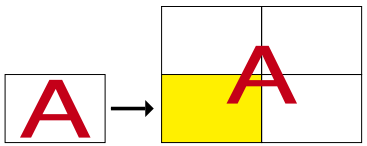
Scaling..... Enlarges or reduces the size of the shape to be output.
This parameter can be specified in the range of 25% to 400%. The value specified applies equally to height and width. If 25% is specified, the shape will be 1/16 in terms of area ratio. The shapes and text that were drawn and the loaded images are enlarged or reduced while maintaining their aspect ratio. The media size will not be changed.

Offset..... The output position is shifted by a specified length.
A value for offset in the X (width) direction can be entered in the left-hand input box, and a value for offset in the Y (height) direction can be entered in the right-hand input box. The specifiable offset varies according to the media settings and so forth.

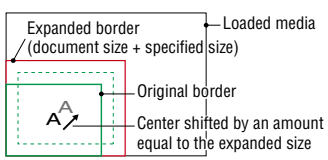
- When outputting to a printer
  If some data is shifted off the print area as a result of offset, the data may be output separately in multiple sheets of media so that all data will fit in the print area. In such a case, four sheets of media are output.



- When outputting to the Craft ROBO
  Only the data included in the print area is output. In this case, only the yellow part shown in the figure at the under is output.

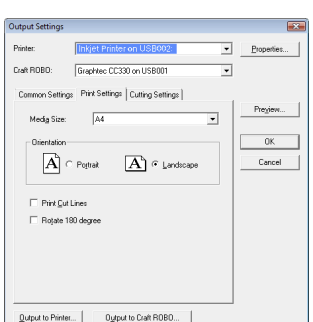


Weed Border ... Cuts an outside border corresponding to the dimensions of the document.
When a die-cutting sticker is created using media larger than the document to be cut, use this function to peel off only the area required for the sticker on the media. The size of the border is the same as that of the document in the [Document Settings] window. The border can be expanded in the horizontal and vertical directions by a specified size. Specify the size in the range of 0.00 to 50.00 mm. If the size of the border is expanded, the cut data is shifted from the cutting range by an amount equal to the expanded size, as shown below. If a smaller border is required, create cut data for the outer border. If the "Weed Border" check box is selected, the border is cut when the object is cut.



Note: This function cannot be used at the same time as the Registration Mark function (CC330-20 only).

4.7.3 Print Settings



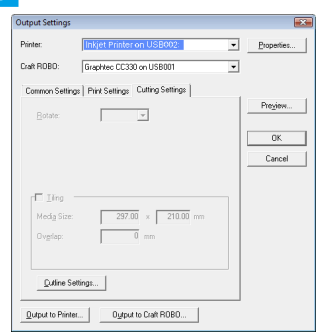
Media Size..... Specify the size of the media to be used for printing.

Orientation..... Specify the direction of the paper (printing direction).

Print Cut Lines
..... If this check box is selected, the lines that would be cut in "Output to Craft ROBO" are also printed.

Rotate 180 degrees
..... If this check box is selected, the object is rotated 180 degrees and then printed.
This function is useful when the printer and Cutting Plotter margins are different sizes, making the area for printing registration marks too small (CC330-20 only).

4.7.4 Cutting Settings



Rotate..... Rotates the data for output.
Select from "None", "90CCW", "180", or "90CW".

Note: This function cannot be used when registration marks have been set (CC330-20 only).

Tiling..... Use this function for handling large amounts of data that exceed the size of a single sheet of the media and you want to output it on multiple pages. Page boundaries are always cut.

Note: This function cannot be used when registration marks have been set (CC330-20 only).

- Media Size
  Enter the size of the media used.

  When the media orientation is Landscape
  In the left-hand box, enter a value in the range of 50.00 to 1000.00 mm
  In the right-hand box, enter a value in the range of 50.00 to 210.00 mm

When the media orientation is Portrait
In the left-hand box, enter a value in the range of 50.00 to 210.00 mm
In the right-hand box, enter a value in the range of 50.00 to 1000.00 mm

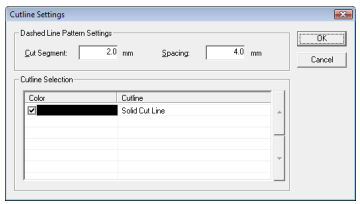
- Overlap
  Set a value in the range of 0 to 100 mm. If a value other than 0 is specified for Overlap, pages are overlapped by a specified value as they are cut. Use this function to create overlapping margins for alignment when separated parts of an object are put together.

Cutline Settings
..... Calls up the [Cutline Settings] window.
In the [Cutline Settings] window, specify any color for the cutline.

Note: For details, please refer to Section 4.8, "Cutline Settings Window".

4.8 Cutline Settings Window

This window is displayed when [Cutline Settings] is clicked on the [Cutting Settings] tab in the [Output Settings] window.



Dashed Line Pattern Settings
..... When thick media such as cardboard is folded, a fold line can be added to facilitate folding.
Furthermore, as this is a dashed line, it can also be used as a perforation line.

Note: The fold line is a dashed line. If the fold line is used for thin media, the creased part of the media will become very weak. Therefore, consider the quality and thickness of the media when using this function.

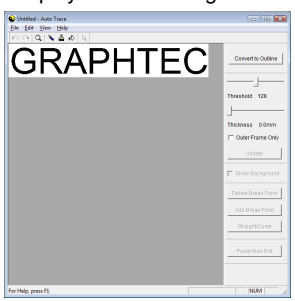
- Cut Segment
  Sets the length of the cut part of the fold line (dashed line) that is to be cut. Specify it in the range of 0.1 to 100 mm.
- Spacing
  Sets the length of the uncut part of the fold line (dashed line) that is to be left uncut. Specify it in the range of 0.1 to 100 mm.

Cutting Selection
..... Select the color of the "Solid Cut Line" or "Dashed Line".
Only one type of line can be chosen for each color.

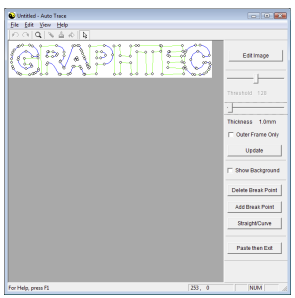
- Color
  Lists the colors of the outer lines of all shapes in the design. Because all of the colors used are automatically specified for Solid Cut Line, deselect all other colors, or those that are used for other than Solid Cut Line.
- Cutline
  Select the "Solid Cut Line" or "Folding Line" to which a color from the Color list is to be applied. Click on the Cutline parameter for each color, and then make your selection from the pull-down menu.
  Lines in colors that were specified for "Solid Cut Line" will be cut by the Craft ROBO as solid lines. Lines in colors that were specified for "Folding Line" will be cut by the Craft ROBO as dashed lines.

4.9 Auto Trace Window

This window is displayed when "Get Outline" is selected from the [Edit] menu. When an image is being edited, click the "Convert to Outline" button to display the "Convert to Outline" window. When an outline is being edited, click the "Edit Image" button to display the "Edit Image" window.



<When an image is edited>



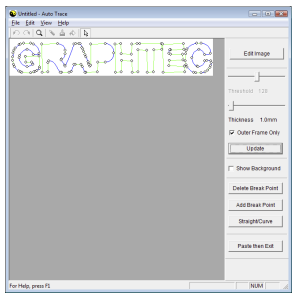
<When an outline is converted>

Convert to Outline/Edit Image
..... Click the [Convert to Outline] button to convert the contours of the image data to an outline.
Click the [Edit Image] button to enable the image to be edited or redone if the converted outline is uneven or not displayed as expected.

Threshold..... The imported image is converted to monochrome image data, but at that time discrimination between the black and white areas is performed automatically. This discrimination between black and white can be adjusted by changing the threshold value.

Thickness ..... The contours of the image data are converted to an outline of the specified width thickness only.

Outer Frame Only
..... An outline is created using only the image data for the outer frame.



Update..... After the image has been converted to an outline, the outline can be converted once again after making changes to the "Thickness" and "Outer Frame Only" parameters.

Show Background
..... Displays the original image in the background of the converted outline.

Delete Break Point
..... Deletes any unwanted break points from the lines after the image data has been converted to an outline.

Add Break Point
..... Adds break points to the lines after the image data has been converted to an outline.

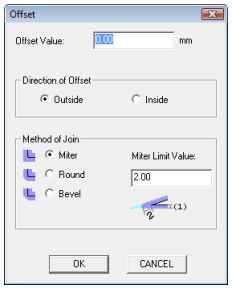
Straight/Curve.. Changes straight lines to curved lines and vice versa after the image data has been converted to an outline.

Paste then Exit
..... Exits the "Auto Trace" screen and pastes the outline in the layout screen.

Note: For further details on the [Auto Trace] screen, please choose "Search Topics" from the [Help] menu and then browse through the displayed topics.

4.10 Offset Window

This window is displayed when one or more objects are selected and "Offset Shapes" is selected from the [Edit] menu.



Offset Value ..... Specifies the offset length by 0.01 mm unit. The available range for the offset length varies according to the media settings and other settings.

Direction of Offset
..... Specifies whether to offset to the outside or inside of the selected object(s).

Method of Join
..... Specifies the method to connect the offset lines when the offset to the outside of the object(s) is selected.

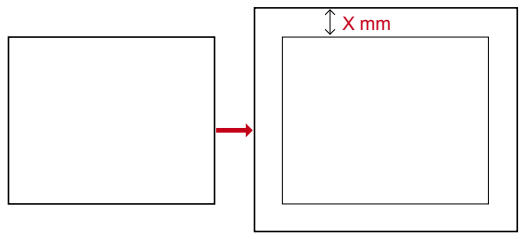
Note: The offset lines are the lines that are moved in the offset length from the original lines.

Miter .....The offset lines are connected at the intersection that is specified as the extension of each offset line. However, when the distance of the intersection point and original connection point exceeds the specified miter limit, it is clipped in the miter limit (length). In this case, the lines are connected at the miter limit position in the same manner as the Bevel connection.
The miter limit is specified by the multiplication with offset length.

Round.....Each offset line is connected by arc which center is a connection point and the radius is offset length.

Bevel.....Each offset line is connected by line.

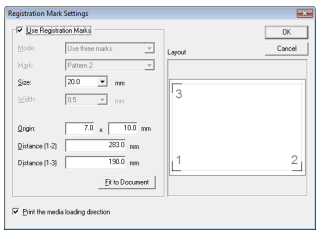
OK..... The selected objects are offset according to the settings as shown below. If you want to cancel offset, click the [Cancel] button.
Example: When offsetting a square by X mm outside using the miter connection



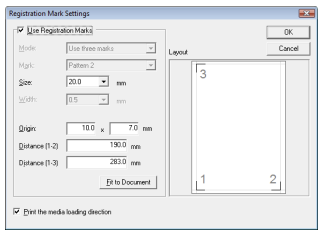
Note: After offsetting, the original object that has been selected is deleted.

4.11 Registration Mark Settings Window (CC330-20 Only)

This window is displayed when "Registration Mark Settings" is selected from the [Edit] menu.



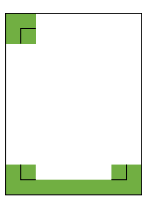
When a "Orientation" is "Landscape"



When a "Orientation" is "Portrait"

Note:

- **Notes on Registration Marks.**
  When a printer is used to print an image on media and then the Craft ROBO is used to cut out that image, the positions of the printed image and the cut line must be matched. "Registration marks" are the marks that are printed around the image, and they are used to match these positions. The registration marks are shaped like the corners of a square (L), and are placed at three locations enclosing the printed image.
- **When using registration marks, a fixed area around each registration mark is not printed. When registration marks are used, therefore, make sure the object to be printed, such as a picture or text string, does not enter the areas shown in green in the figure below. However, cut data is output even for the green parts of the figure.**
- **If the printer's margins prevent all the registration marks from being printed, the Craft ROBO will not be able to read the registration marks correctly. If this happens, change the origin point, the distance between registration marks 1 and 2, and the distance between registration marks 1 and 3 to enable all the registration marks to be printed. The relationship between the print area and the registration mark positions can be checked in the preview menu.**



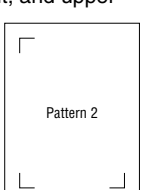
Use Registration Marks
..... Turns the printing of registration marks on or off.

Mode..... Shows the registration-mark mode.
The mode is fixed to "Use three marks", and at this time there are no other choices that can be selected.

- Use three marks
  Reads three registration marks: the lower left, lower right, and upper left corners of the media.

Mark ..... Shows the registration mark pattern.
The shape is fixed to "Pattern 2", and at this time there are no other choices that can be selected.

- Pattern 2
  The corner of each registration mark faces the edges of the media.



Size..... Shows the size of the registration mark (L).
There is normally no need to change the setting.

Width ..... Shows the line width of the registration mark.
The line width is fixed to "0.5 mm", and at this time there are no other choices that can be selected.

Origin..... Specifies the position of the first registration mark.
With respect to the media specified in Document Settings, the position at which the registration mark is to be set can be determined by specifying offsets from the edges of the media. When the Origin is changed, the first registration mark moves to that position, and the second and third registration marks move to the positions determined relative to the first registration mark by adding the "Distance (1-2)" and the "Distance (1-3)". In the left-hand input box, enter an offset value in the horizontal direction of the media; in the right-hand input box, enter an offset value in the vertical direction of the media.

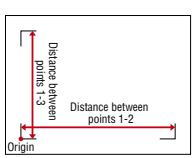
Note: If the Origin was changed, click the [Fit to Document] button to adjust the positions of Registration Marks 2 and 3.

- Distance (1-2)
  Specify the distance between the first and second registration marks.

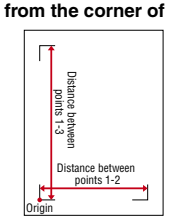
Note: The distance between registration marks is the distance from the corner of one registration mark to the corner of another.

- Distance (1-3)
  Specify the distance between the first and third registration marks.

Note: The distance between registration marks is the distance from the corner of one registration mark to the corner of another.

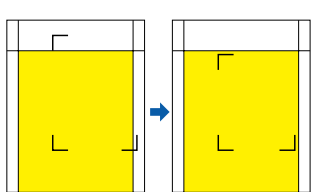


When a "Orientation" is "Landscape"



When a "Orientation" is "Portrait"

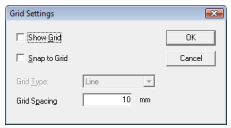
Fit to Document
..... Moves Registration Marks 2 and 3 to positions where they can be read, and changes the values of "Distance (1-2)" and "Distance (2-3)".



Print the media loading direction
..... Adds the "Feed This Side First" label and an arrow to the image that is output on the printer to indicate the direction in which the media should be inserted in the Craft ROBO.

4.12 Grid Settings Window

This window is displayed when "Grid Settings" is selected from the [Edit] menu.

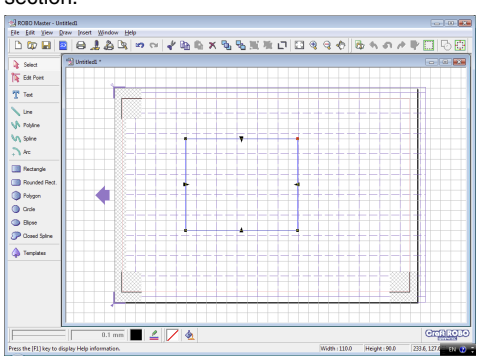


Show Grid..... Shows a grid.

Note: The term "grid" refers to a grid of solid lines or dots displayed on the screen, which serve as a guide for drawing.

Snap to Grid .... When "Snap to Grid" is chosen, shapes are drawn or moved in increments of grid spacing.

- If you select "Snap to Grid" before drawing a shape, the shape will be drawn in increments of grid spacing.
- If "Snap to Grid" is selected after the shape is created and the shape is moved, the red corner handle is snapped to the nearest grid cross-section.

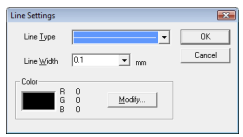


Grid Type ..... Line: Light-gray lines are displayed at equal intervals in the horizontal and vertical directions on the screen.
Dot: Light-gray dots are displayed at equal intervals on the screen at grid cross-sections.

Grid Spacing.... Sets the grid interval.
Specify it in the range of 1 to 1000 mm in increments of 1 mm.

4.13 Line Settings Window

This window is displayed when "Line Settings" is selected from the [Draw] menu. If this window is opened while a shape is selected, use it to change the settings of the selected shape. If this window is opened while no shapes are selected, the default settings of a shape created hereafter are changed.



Line Type ..... Select a line type from the list.
Six choices are available for selection: Solid Line, Dotted Line, Dashed Line, Dotted/Dashed Line, Double-Dotted/Dashed Line, and None (the line becomes transparent). These settings are only enabled for the on-screen or printed images.

Note: Please refer to Section 4.8 "Cutline Settings Window" for the line types that can be output to the Craft ROBO.

Line Width..... Select a line width.
A numeric value can also be entered. Specify it in the range of 0.1 to 50.0 mm.

Note: Line Width can only be specified for Solid Line.

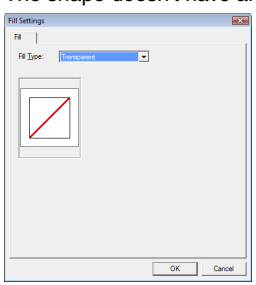
Modify ..... Opens the [Color] window to enable setting of the line color.

4.14 Fill Settings Window

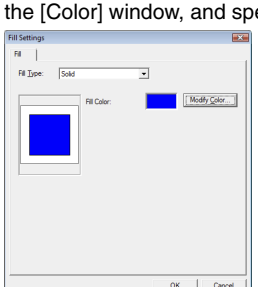
This window is displayed when "Fill Settings" is selected from the [Draw] menu. If this window is opened while a shape is selected, use it to change the settings of the selected shape. If this window is opened while no shapes are selected, the default settings of a shape to be created hereafter are changed.

Fill Type..... Selects a fill pattern.

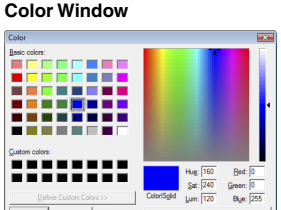
- Transparent
  The shape doesn't have any fill and is comprised of outlines only.



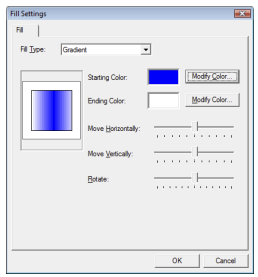
- Solid
  The shape is filled with a single color. Click [Modify Color...] to open the [Color] window, and specify a fill color.



Color Window



- Gradient
  The shape is filled with a color gradient.



Starting Color, Ending Color
..... Two colors of the gradient transition can be specified: one for the start and one for the end of the gradient. (To specify colors, use the respective [Modify Color...] buttons to open the [Color] window for the Starting Color and the Ending Color).
The gradient displayed in the window consists of the starting color in the center and the ending color at both ends.

Move Horizontally
..... Sets the degree of gradient transition in the horizontal direction.
As the slider is moved, the color transition border in the window is scrolled to the left or right, depending on the direction of slider movement.

Move Vertically
..... Sets the degree of gradient transition in the vertical direction.
As the slider is moved, the color transition border in the window is scrolled up or down, depending on the direction of slider movement.

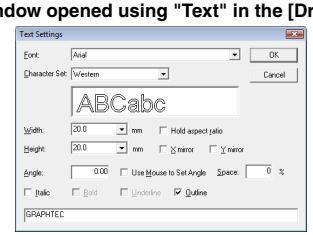
Rotate..... Sets the rotation of gradient.
As the slider is moved to the right, the gradient in the window rotates to the left. As the slider is moved to the left, the gradient in the window rotates to the right.

4.15 Text Settings Window

This window is displayed when "Text" or "Text Settings" is selected from the [Draw] menu.

- If "Text Settings" window is opened by clicking "Text" in the [Draw] menu, a box for entering a text string is displayed at the bottom of the window. In this case, the specified text string is created in the document according to the settings made in the dialog box.
- If this window is opened by clicking "Text Settings" in the [Draw] menu while a text-string object is selected, use it to change the settings of the selected text-string object.
- If this window is opened by clicking "Text Settings" in the [Draw] menu while no text-string objects are selected, the default settings of a text-string object to be created hereafter are changed.

Note: Shown below is a window opened using "Text" in the [Draw] menu.



Font ..... Specifies the font of the text.

Character Set .. Specifies the character set of the font.
This can normally be disregarded. Some fonts have multiple character sets, allowing different characters to be presented by the selection of a character set.

Width ..... Sets the width of one character.

Note: With some fonts, the character width may differ for each character.

Height ..... Sets the height of one character.

Note: With some fonts, the character height may differ for each character.

Hold aspect ratio
..... Used when making changes to the text string, this function maintains the font's height-to-width proportions while automatically adjusting the length of the text string.

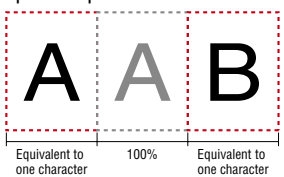
X mirror..... Creates a mirror of the text string with left/right reversed.

Y mirror..... Creates a mirror of the text string with up/down reversed.

Angle ..... Specifies the angle of a text string.

Use Mouse to Set Angle
..... If this check box is selected, the angle of a text string can be specified using the mouse after its location is specified at the time of its creation. As the mouse is moved, the placement angle of the character string changes. Left-click at the chosen angle for final placement. At this time, if you hold down the [Shift] key while moving the mouse the angle will change in 45-degree increments.

Space ..... Specifies the spacing between characters.
The spacing should be specified as a percentage (%). To leave a space equivalent to one character, for example, specify 100%.



Specify a number in the range of -50 to 400.

Note: • When a proportional font is used, be aware that spaces cannot be left at equal intervals.

• The term "proportional font" refers to fonts for which the character width differs depending on the character.

Italic ..... Sets the style of characters to "italic".

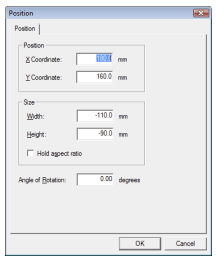
Bold ..... Sets the style of characters to "bold".

Underline ..... Underlines the characters.

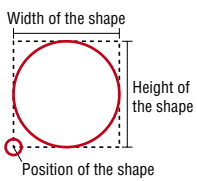
Outline ..... Shows the characters in outline form (with only the outlines of characters displayed).
If this check box is selected, Bold and Underline are grayed out and cannot be set.

4.16 Position Window

This window is displayed when "Position Settings..." is chosen from the [Draw] menu. Position can only be chosen when a shape is selected, allowing the Position, Size, and Angle of Rotation of the selected shape to be set.



Position ..... Shows the current position of the selected shape using X and Y coordinates.
The small red circle that is displayed when a circumscribed rectangle has been drawn around the shape and that shape is selected is the position of the selected shape. Here, the origin is at the lower-left corner of the media. Numeric values for coordinates can be entered directly from the keyboard to determine the position of the shape. (If "Select Object" has been selected and the mouse cursor is positioned on the screen, the coordinates of the current mouse cursor position are shown at the lower right part of the screen for reference purposes.)



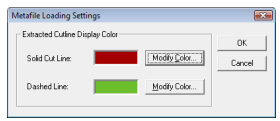
Size..... Shows the size of the selected shape by Width and Height.
The size is represented by coordinates. While drawing, if the mouse cursor is moved in the direction away from the origin, a "positive" value is displayed. Conversely, if the mouse cursor is moved in the direction toward the origin, a "negative" value is displayed. Numeric values can be entered directly for "Width" and "Height" from the keyboard to determine the size of the shape.

Hold aspect ratio
..... When ON has been selected, the Size of the selected shape can be changed without changing its width-to-height ratio.
If the Width is changed, the Height is automatically changed accordingly.
If the Height is changed, the Width is automatically changed accordingly.

Angle of Rotation
..... Shows the angle of rotation of the selected shape.
This angle is counted counterclockwise, up to 360 degrees. A num eric value for angle of rotation can be entered directly from the keyboard.

4.17 Metafile Loading Settings Window

This window is displayed when "Metafile Settings" is chosen from the [Insert] menu. In this window, the color of the cut lines displayed when the cutting data has been loaded in the Windows metafile provided and the color of the cut lines displayed when an outline has been traced can be changed. Use this window to change the color of the lines to be converted when the color used is the same as that used for drawn lines, or when you need to differentiate between cut lines and fold lines.



Solid Cut Line .. The color selected for the cut lines displayed when a Windows metafile has been loaded, or when an outline has been traced.

Dashed Line .... The color selected for the dashed cut lines displayed when a Windows metafile has been loaded.

Modify Color .... Click this button to display the [Color] window. Specify the desired color for "Solid Cut Line" or "Dashed Line", and then click the [OK] button.

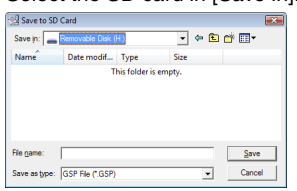
4.18 Save to SD Card Window

This window is displayed when "Save to SD Card" is selected from the [File] menu.

Note: To cut the data saved on an SD card using the Craft ROBO, files in GSP format must be saved in the "Graphtec" folder in the root directory of the SD card. The files saved in another location or saved in any other format than GSP cannot be cut.

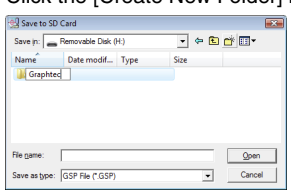
4.18.1 When saving cutting data to an SD card for the first time (when there is no "Graphtec" folder in the SD card)

(1) Select the SD card in [Save in].



In the example above, the SD card is inserted in the H drive of the computer.

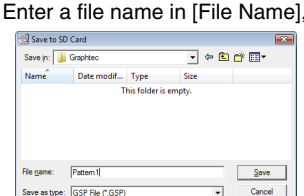
(2) Click the [Create New Folder] button and create a folder named "Graphtec."



Create the "Graphtec" folder right in the root directory of the SD card.

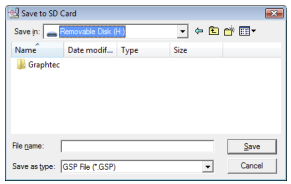
In the example above, the location of the "Graphtec" folder can be read as H (drive name):\Graphtec.

(3) Enter a file name in [File Name], and click the [Save] button.



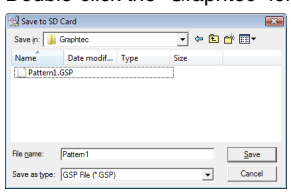
4.18.2 When saving in an SD card that already has the "Graphtec" folder

(1) Select the SD card in [Save in].

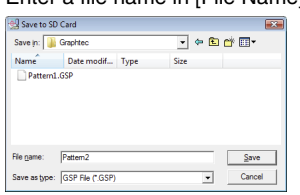


In the example above, the SD card is inserted in the H drive of the computer.

(2) Double-click the "Graphtec" folder to open it.



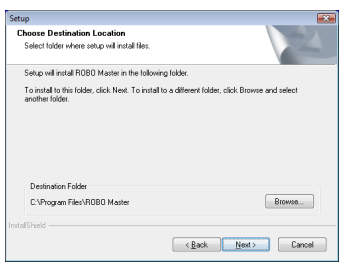
(3) Enter a file name in [File Name], and click the [Save] button.



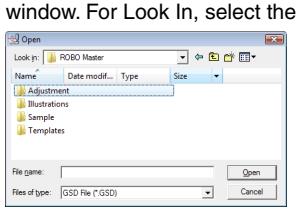
5 Printing the Register Mark Test Form (CC330-20 Only)

This chapter describes the procedure for printing the registration mark test form that is used in the Registration Mark Reading Test of the Craft ROBO.

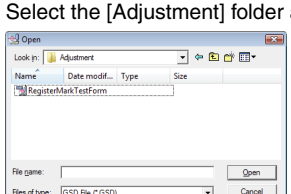
(1) If the ROBO Master in your system was installed without changing the default settings in "Choose Destination Location" and "Destination Folder", the "ROBO Master" folder has been created in the location shown below.



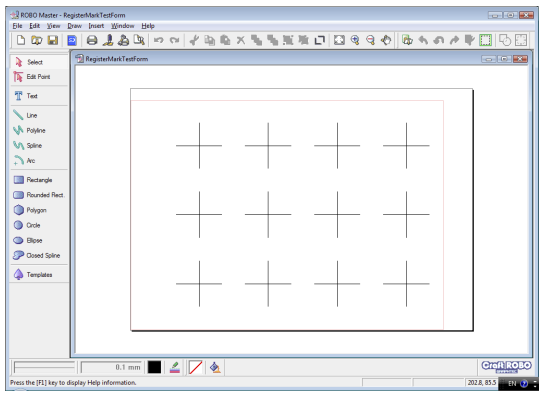
(2) Choose "Open" from the [File] menu of the ROBO Master to display the [Open] window. For Look In, select the [ROBO Master] folder confirmed in (1) above.



(3) Select the [Adjustment] folder and click [Open].



(4) Select the [Register Mark Test Form] file, and click [Open]. The "Register Mark Test Form" will be displayed.



(5) In the [Output Settings] window, select the printer to be used for printing and, if necessary, change the "Print Settings". Open the [Output to Printer] window and, after confirming the settings, click [OK] to print the Register Mark Test Form.

Note: Use white, matte, A4-size paper for the Register Mark Test Form. Copy paper or the like may be used. If possible, use the same media as will be used for cutting. This may help increase the accuracy of registration mark reading.

6 Error Messages

Operation-related Errors

A Media Name has not been specified.

- No media names are entered in the [Name] box of the [Specify User Size] window.

⇨ Enter a media name in the [Name] box of the [Specify User Size] window that is displayed by clicking [Specify User Size...] in the [Document Settings] window.

Media Name ### has been reserved, and cannot be used.

- The media name entered in the [Name] box of the [Specify User Size] window is already in use.

⇨ Enter a new name in the [Name] box of the [Specify User Size] window. A media name can be registered only once.

cannot be used as a Media Name.

- The media name entered in the [Name] box of the [Specify User Size] window contains invalid characters.

⇨ Commas (,) cannot be used in the [Name] box of the [Specify User Size] window. Enter a new name.

Includes characters that cannot be used with the current font. Please change the font.

- The text string entered in the [Text Settings] window is not supported by the current font or character set.

⇨ Specify the corresponding font or character set for the text string entered in the [Text Settings] window.

Failed to launch the browser.

- This message is displayed when the Internet browser could not be started up normally.

⇨ Make sure your system is connected to the Internet.

The overlap width exceeds the tiled plot area.

- The value specified for "Overlap" in Tiling is greater than the width or height of the Media Size.

⇨ Check whether Tiling on the [Cutting Settings] tab of the [Output Settings] window is set properly. If it is not, correct the setting.

The registration mark positions are outside the specified document area (CC330-20 only).

- The registration mark positions are outside the specified document area.

⇨ Check Layout in the [Registration Mark Settings] window, and correct the registration mark positions so that they will not extend past the document area.

There is an error in the file contents.

- An error occurred when a DXF-format file was loaded. The file may not be a DXF file.

⇨ Load the DXF file using the software with which it was created, and check the data.

No valid data.

- The DXF file contains no data that can be handled by the ROBO Master.

⇨ The data in this file cannot be used.

This file format is not supported.

- The DXF file does not contain data that can be handled by the ROBO Master.

⇨ This data cannot be used.

File loading aborted.

- The [ESC] key on the keyboard was pressed while a saved file of the ROBO Master was being loaded.

⇨ Do not press the [ESC] key until the system finishes loading the file.

A file cannot be created.

- This message is displayed when, for example, the system has failed to rewrite over an existing file.

⇨ Remove write protection before saving, or save the data under another name.

Cannot write to file.

- This message is displayed when, for example, there is insufficient space on the hard disk.

⇨ Check the available space at the destination to which you are saving.

Initialization failed. Cannot output.

- The printer driver for printing cannot be used.

⇨ Check whether the device is connected.

Output failed.

- This message is displayed when data could not be output to the Craft ROBO normally.

⇨ Check to confirm that the Craft ROBO is connected properly and that its standby switch is turned on.

Output aborted.

- The Craft ROBO Controller has already been launched.

⇨ Close the Craft ROBO Controller that has already been launched, and then perform the operation once again.

Craft ROBO Controller startup failure.

- The Craft ROBO Controller could not be launched.

⇨ Check whether the "Craft ROBO Controller" has been installed in your system. If it has not been installed, install it from the CD included with your Craft ROBO.

Cannot find the Craft ROBO driver. Please install the driver.

- The "Craft ROBO Driver" is not installed.

⇨ Install the "Craft ROBO Driver" using the CD included with the Craft ROBO.

Twain Errors

An error occurred in the TWAIN device.

- An error occurred in the TWAIN device selected in the Model Setup dialog box.

⇨ Check the TWAIN device's connections.

Loading was aborted.

- The [ESC] key on the keyboard was pressed during the loading of an image file.

⇨ Do not press the [ESC] key until the system finishes loading the file.

The specified image is not supported.

- The TWAIN device output a file format that cannot be read in this software.

⇨ In the TWAIN device settings, set it up to output a bilevel image, an 8-bit grayscale or color image, or a 24-bit color image.

File Loading Errors

This file format is not supported.

- Loading of a file format that is not supported was attempted.

⇨ The file specified cannot be loaded.

The header information contains an error.

- The file header information contains an error.

⇨ The file specified cannot be loaded.

The file was incorrectly compressed.

- The file format to be loaded contains an error.

⇨ The file specified cannot be loaded.

Tile-divided files cannot be read.
Files compressed using LZW cannot be read.
CALS Type 2 files cannot be read.
Files compressed using CCITT 2D cannot be read.
INTERGRAPH Uncompressed files cannot be read.
INTERGRAPH RLE files cannot be read.

- The preceding error messages appear if you attempt to load a file with a file format not supported by ROBO Master.

⇨ The file specified cannot be loaded.

Failed to update the image. The image cannot be rotated.

- This message is displayed during the rotation of an image. More specifically, it is often displayed when the available space in memory or on the hard disk is insufficient.

⇨ Terminate other active software and delete unnecessary files in order to increase the available space on the hard disk.

Cannot load the specified Metafile.

- This message is displayed when loading of a metafile-format file not supported by ROBO Master is attempted.

⇨ The system cannot load the specified file.

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The specifications, etc., in this manual are subject to change without notice.

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GRAPHTEC CORPORATION