GRAPHTEC

Cutting Master 2 for CraftROBO User Manual

Version 1.2

Contents

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Introduction

Cutting Master 2 is a program that allows you to output directly from your design application to a cutter.

It consists of two parts:

- The Cut/Plot plug-in that allows you to set job properties for the cut job from within your design application and sends the job to Cutting Master 2.

- The Cutting Master 2 program that receives the job from the Cut/Plot plug-in and outputs it to the cutter.

Using the Software

To send a job to a cutter using Cutting Master 2:

1. Create the job in the design application.

2. If desired, add registration marks to your design.

3. Open the Cut/Plot dialog.

4. Adjust the job properties in the Cut/Plot dialog.

5. Send the job to Cutting Master 2.

6. Use Cutting Master 2 to output the job to the cutter.

Supported Applications

On Windows, Cutting Master 2 supports the following design applications:

- Corel CorelDRAW 10, 11, 12, X3

- Adobe Illustrator 8, 9, 10, CS, CS2

On Macintosh OS X, Cutting Master 2 supports the following design applications:

- Adobe Illustrator 10, CS, CS2

Installation and Setup

Before you begin installing the software, read the hardware requirements below. For optimal performance we suggest that your system meet the recommended requirements. As with all computer software, systems with faster processors, more RAM, and greater amounts of storage space allow you to work with larger files and keep your processing time to a minimum.

Recommended System Requirements

	Windows	Macintosh
Processor	Pentium III 600 MHz	G4 or greater
RAM	256 MB	
Install Space	100 MB	
Operating System	Windows 2000 & XP	OSX 10.2 or greater
Video	800x600 resolution monitor with 16 bit color	
Other	4x CD-ROM or DVD Drive	
	Available Port for Output Device	
	Internet Connection	

Before You Install the Software

Before you install the software, you should do the following:

- Install all of your design applications.
- Install any additional drivers that are necessary for your cutters, such as USB drivers.
- Set your cutter to operate in GPGL mode. See your cutter documentation for details.

Installing the Software (Windows)

To install Cutting Master 2:

1. Uninstall any previous version of the software.

2. Insert the Installation CD.

3. Select a language and then click **OK**.

4. Select the product and language to be installed and then click **Next**.

5. On the Welcome screen, click **Next**.

6. Read the Software License Agreement and click **Yes** to accept.

7. Select the components of the software that you want to install. You may also change the folder the software will be installed into. Click **Next**.

8. Select the **Start** menu folder where the shortcut for the software will appear. By default, a new folder will be created for the product. Click **Next**.

9. Select whether additional shortcuts for the software will be created:

    a. Check **Install to desktop** to install a shortcut for the software on the desktop.

    b. Click **Next**.

10. Click **Next** to begin installing the software.

11. If you have Adobe Illustrator installed, you will be prompted for the location of the **Plug-ins** folder for each version of Illustrator you have installed.

    a. If necessary, click **Browse** and select the folder location.

12. Click **Yes** to clear the preferences.

13. Select **Finish**.

Uninstalling the Software (Windows)

1. Exit Cutting Master 2 by selecting **Exit** from **File** menu.

2. In the Windows Control Panel, double-click the **Add or Remove Programs** icon.

3. Select Cutting Master 2 from the list and click the **Change/Remove** button.

4. In the Welcome screen, select **Remove** and click **Next**.

5. Click **Yes** to uninstall the software.

Installing the Software (Macintosh)

Follow these steps to install the software:

1. Insert the Installation CD.

2. Double click the **Installer** icon.

3. Select a language and then click **OK**.

4. Select the product and language to be installed and then click **OK**.

5. Read the Software License Agreement and click **Accept**.

6. Click **Next**.

7. Select the **Install Location** and click **Install**.

   📄 The software installs. Click **Stop** to halt installation.

8. Click **Yes** to clear the preferences.
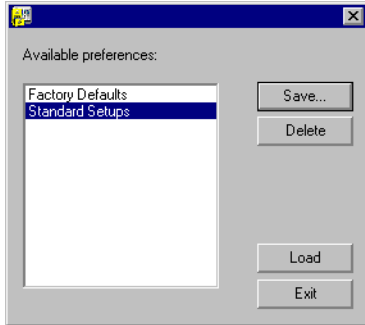
9. Click **OK**.

10. Click **Quit**.

Uninstalling the Software (Macintosh)

1. Exit Cutting Master 2 by selecting **Quit** from the application menu.

2. In the Cutting Master folder, double-click **Uninstall**.

3. Click **OK**.

Creating an Output Device Setup

The first time that you run Cutting Master 2, you will be prompted to create an output device setup. See "Creating an Output Device Setup in Cutting Master 2" page 13 for details.
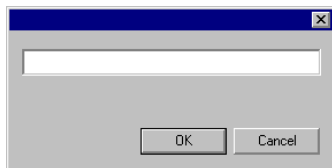
Using Preference Manager

Preference Manager is a utility that allows you to save all of the settings in the software to a file, including all output device setups and all application preferences.

You cannot load a set of preferences while either the design software or Cutting Master 2 is running. You can save preferences at any time.

Saving a Set of Preferences

To save the current set of preferences to a file:

1. Run **Preference Manager**.

2. Click **Save**.

3. Type the name for the set of preferences in the field and click **OK**.

Loading a Set of Preferences

To reload a previously saved set of preferences:

1. Exit the software.

2. Run **Preference Manager**.

3. Select the set of preferences you want to load.

4. Click **Load**.

Restoring the Software to its Original State.

The default settings for the software are stored in the **Factory Defaults** set of preferences. Restoring the software to its default state may be particularly helpful when troubleshooting any problems you may encounter with Cutting Master 2.

📄 Loading this set of preferences will remove the output device setup in Cutting Master 2.

To clear the preferences stored in your system:

1. Exit the software.

2. Run **Preference Manager**.

3. Select **Factory Defaults**.

4. Click **Load**.

Exiting Preference Manager

To exit Preference Manager, click **Exit**.

Creating the Job in the Design Application

The first step in outputting a job using Cutting Master 2 is to create the job in your design application.

Guidelines for Creating Your Design

When creating a job, remember the following guidelines:

- Convert all bitmap graphics into vector objects. Cutting Master 2 can only output vector objects.

- Objects cannot have patterned fills, bitmap fills, lens effects, gradients, or other custom fill types. Any objects with these fill types will be ignored by Cutting Master 2, and will not appear in the Cut/Plot dialog.

- Use colors or layers to separate objects that you want to output at different times. You can then use the Layering tab of the Cut/Plot dialog to choose which colors or layers will be output.

- There is no need to make duplicate copies of your design in the design application. Cutting Master 2 can easily output duplicates of any design, and can even place multiple copies on the same page.

- Don't worry about objects of the same color that overlap. The Auto-Weld feature can automatically merge overlapping objects together.

- If you need to make multiple cutting passes, you can select the number of passes in the Advanced tab of the Cut/Plot dialog. There is no need to stack up multiple copies of an object to force multiple cutting passes.

Accessing the Cut/Plot Dialog

Once you have created your job, the next step is to open the Cut/Plot dialog.

To access the Cutting Master 2 Cut/Plot dialog:

- If you are using Adobe Illustrator, from the **File** menu, select **Cutting Master 2** then **Cut/Plot**.

- If you are using CorelDRAW, select **Cut/Plot** from the Corel Application Launcher. The Corel Application Launcher is a list in the standard toolbar that lets you launch other applications from within CorelDRAW. It uses the following icons, depending on your version of CorelDraw:
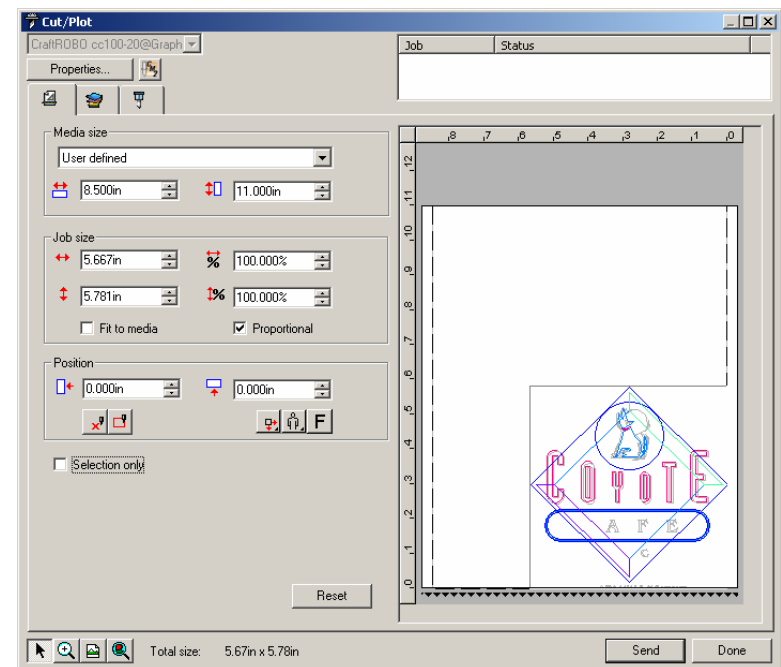
  CorelDRAW 10   CorelDRAW 12 & X3

  CorelDRAW 11

Entering Numerical Values

Cutting Master 2 supports a number of unique features that make it easier to enter numerical values.

Using Built-In Mathematical Operations

The software is able to perform a number of calculations whenever a numerical value is being entered.

Automatic Unit Conversion

If you enter a value using a different unit of measurement than the default unit, the software will automatically convert the value to the default unit.

For instance, if your default unit is inches, you can enter a value of **1 ft**, and the software will convert the measurement to **12 in**.

Supported units are:

in, "	inch
ft, '	foot
mm	millimeter
cm	centimeter
m	meter
pt	point

Calculation of Ratios

If you enter a ratio in the format **A:B**, the software will scale the previous value in the field by the ratio entered.

For instance, if a value is set to **12**, and you enter **2:3**, the new value will be **8**.

Calculation of Percentages

If you enter a percentage in the format **X%**, the software will scale the previous value in the field by the percentage entered.

For instance, if a value is set to **10**, and you enter **90%**, the new value will be **9**.

Simple Arithmetic Operators

If you enter a simple arithmetic expression, the software will calculate the result of the expression and enter that value in the field.

The available arithmetic operators, in order of precedence, are:

/	Division
*	Multiplication
+	Addition
-	Subtraction

For example, if you enter **1/8**, the value **0.125** will be calculated.

Operator precedence determines the order in which the arithmetic operations will be calculated when more than one operation is specified. In the previous list, operators are listed from top to bottom in order of operator precedence. For instance, if you enter **6/2*3**, the software will calculate **6/2** first then multiply the result by **3**, yielding a result of **9**.

Automatic Application of Entered Values and Arithmetic

Once you enter a numerical value, ratio, or arithmetic expression in a numerical field, the software will automatically apply that value after a brief delay.
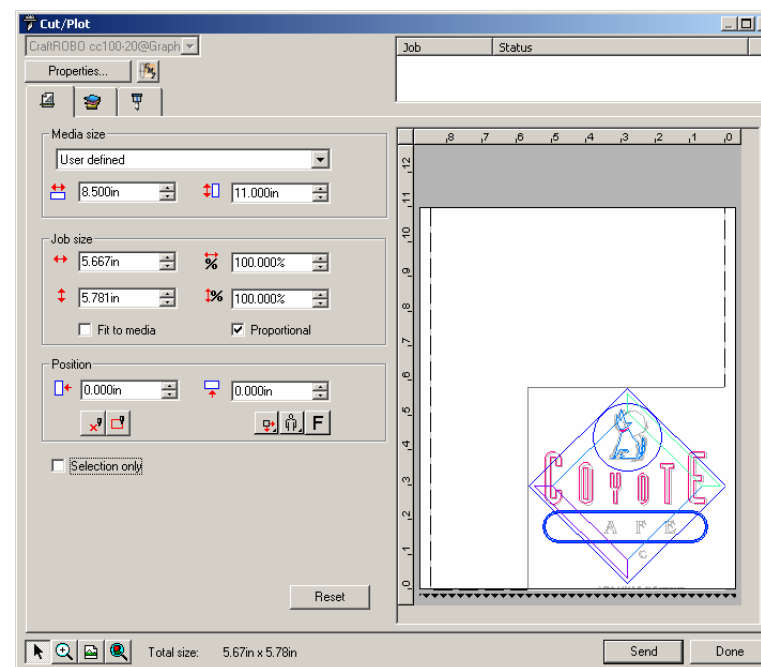
Setting Job Properties

The following controls are available on all tabs of the Cut/Plot dialog:

Properties   Click to adjust the setup properties. See "Editing Output Device Settings" page 15 for details.

Click to start Cutting Master 2.

Click to select the **Select** tool. (This tool is selected by default most of the time)

Click to select the **Zoom** tool. Click and drag in the job preview pane to select an area of the design to zoom in on. Hold the **CTRL** key and click to zoom out.

Click to select **Zoom to Width**. The preview pane will automatically zoom in or out so that the entire width of the media is displayed.

Click to select **Zoom to All Objects**. The preview window will zoom in or out so that all of the objects in the design are displayed.

Reset   Click to return job properties to their default settings.

Send   Send the job to Cutting Master 2 with the current settings.

Done   Close the Cut/Plot dialog and return to the design application.

Setting General Tab Properties

The General tab allows you to specify the size of media, size of the job and the location of your output on the media.

The following settings are available:

Media Size   The size of the media loaded into your output device. Select from one of the preset sizes, or specify unique dimensions below.

The width and height of the media. When a set of unique dimensions is specified, it is automatically added to the list of preset sizes.

Job Size   Choosing one of these options allows you change the output size and orientation of the page.

The job's width and height.

The job's width and height as a percentage of the original.

Fit to Media   Scales the job proportionally so that it is as large as possible while still fitting within the cuttable area of the output media.

Proportional   When this option is selected, the height and width of the job are increased or decreased together to keep the original proportions intact.

Position   These settings change the position of the job on the media.

    The distance between the job and the right and bottom margins of the cuttable area. You can also change these settings by dragging the job across the page in the preview pane.

    Interactive: moves the cutter as you change the position of the job on the preview area.

    Show me: draws a bounding box of the job without lowering the tool.

    Places the job at the specified distances from the lower and right edges of the cuttable area of the output media.

    Places the job at the specified distances from the lower and left edges of the cuttable area of the output media.

    Centers the job along the width of the cuttable area.

    Centers the job in the middle of the cuttable area. Only available for sheet material.

    Rotates the image on the media in 90-degree increments. Click the button until you achieve the desired orientation.
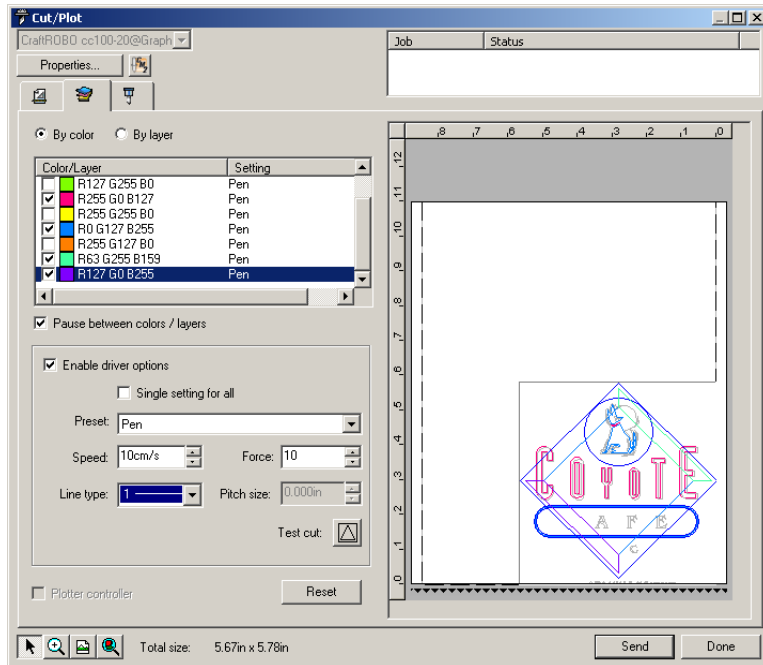
    Flips the selected image on the vertical axis, so that your image will be mirrored when output.

Selection Only   Output only the selected objects, not the entire design. This option is enabled if you had objects selected when you opened the dialog.

Setting Layering Tab Properties

The layering tab allows you to assign different cutting parameters to different color or layers in your cutting job. You can cut one color slower than another color, for instance.

The following settings are available:

By color/ By layer

Orders your output by color, or by layer. "Layer" refers to layers in the design application, not overlapping layers of vinyl.

- If you choose **By color**, all objects with the same color will be cut at the same time, unless **Pause between colors/layers** is checked. If you have overlapping objects of the same color, you will get overlapping contour cuts.

- If you chose **By layer**, the job will be cut one layer at a time. All objects in each layer will be cut at once, unless **Pause between colors/layers** is checked. If you have overlapping objects in a layer, you will get overlapping contour cuts.

Pause between colors/ layers

If checked, output will be paused between colors or layers. This allows you to load different colored vinyl into your cutter.

If cleared, the job will be sent as a single layer. The **Single setting for all** option will automatically be checked, and identical driver options will be used for the entire job. If weedlines are enabled, there will only be a single set of weedlines for the entire job.

Enable driver options

Check to set the following options in the software. If this option is not checked, the settings on the output device will be used instead.

Settings can be set individually for each color or layer by selecting the color or layer in the list then setting the options below (but see **Single setting for all**).

Single setting for all

If this option is checked, identical driver options will be used for all colors or layers.

If **Pause between colors/layers** is not checked, **Single setting for all** is automatically checked, and may not be cleared. This is because the job is automatically sent as a single layer when **Pause between colors/layers** is not checked.

Preset

Driver option *presets* allow you to save all of the driver options for a common type of job and reapply them in a single step. See "Working with Driver Option Presets" below, for details.

Speed

Speed at which the cutting head or pen moves across the media.

Set to **0** to use the setting on the cutter.

Force

The amount of downwards force applied to the cutting head or pen.

Set to **0** to use the setting on the cutter.

| **Line Type** | Select the line type. |
| | The following line types are provided as standard: |

You can also edit three custom line types. See "Editing Custom Line Types" page 11 for details.

| **Pitch Size** | The length it takes for the line pattern to repeat when a line type other than solid is selected. |
| **Test Cut** | Allows you to output test cutting jobs to appropriate output devices, to make sure everything is functioning properly. |
| **Plotter Controller** | If checked, Cutting Master 2 will send the current job to the Graphtec Plotter Controller application for output when the **Send** button is clicked. This option is only enabled if the setup is for a device that is supported by the Plotter Controller application. The device setup must use a USB connection. If Plotter Controller is not installed, this option will be disabled. See the Plotter Controller documentation for details on outputting jobs from that application. |

When this option is checked, the following fields in the cut/plot dialog will be disabled:

- Job width
- Job height
- Percent width
- Percent height
- Fit to media
- Proportional
- Copies
- Copy spacing
- Use registration marks
- Hold in list
- After output

In addition, the Rotation control will be limited to the 0 and 90 degrees counterclockwise settings.

Working with Driver Option Presets

Driver option *presets* allow you to save all of the driver options for a common type of job and reapply them in a single step.

Creating Presets

To save the current driver options as a new preset:

1. From the **Preset** list, select **Save as**.

2. Enter a name for the new preset.

3. Click **OK**.

Updating Presets

To update the currently selected preset with the currently selected driver options, from the **Preset** list, select **Save**.

Applying a Preset

To apply the driver options saved in a preset to the current job, select the preset from the **Preset** list.
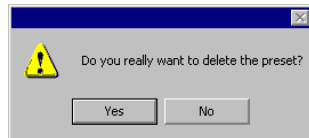
Renaming a Preset

To rename a preset:

1. Select the preset you want to rename from the **Preset** list.

2. Select the **Rename** command from the **Preset** list.

3. Type in the new name and press **OK**.

Deleting a Preset

To delete a preset:

1. Select the preset you want to delete from the **Preset** list.

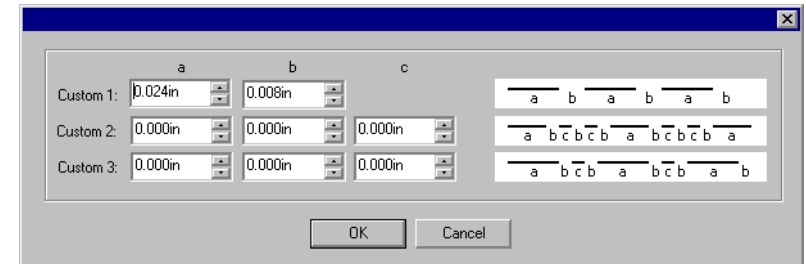2. Select the **Delete** command from the **Preset** list.

3. Click **Yes**.

Editing Custom Line Types
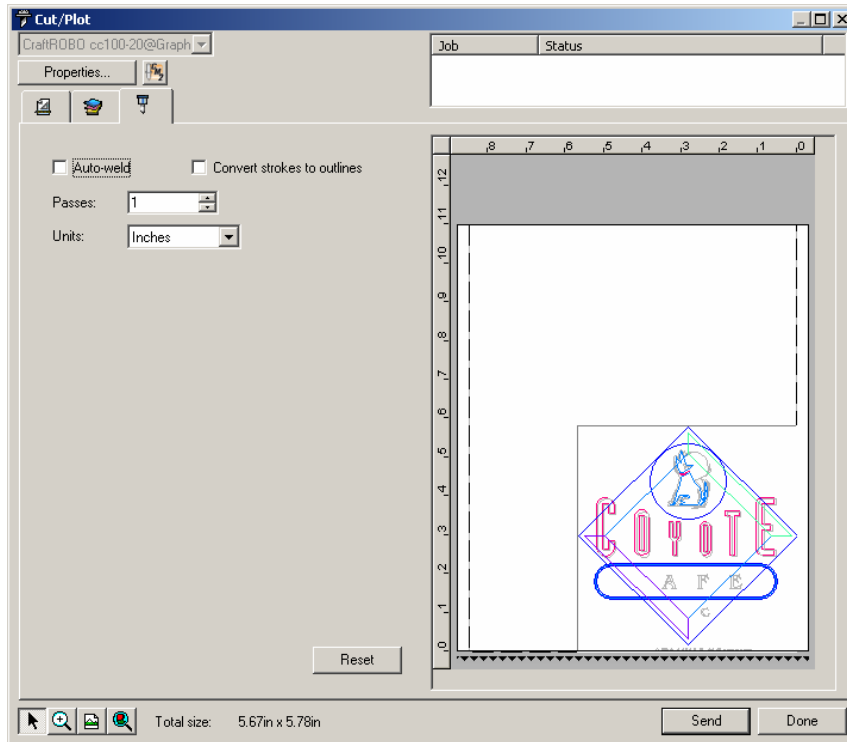
To edit the custom line types:

1. Select **Edit** from the **Line Type** list.

2. Specify the three custom line types by listing the lengths of the line segments and spaces that make up the line:

   a   The length of the first segment in the line.

   b   The length of the space between line segments.

   c   The length of the second and third line segments, if any. **Custom 1** is made up of one repeating line segment, while **Custom 2** has two segments that repeat in a pattern, and **Custom 3** has three.

3. Click **OK**.

Setting Advanced Tab Properties

The Advanced tab allows you to set several options specific to cutting jobs.

The following settings are available:

Auto-weld	Removes overlapping areas of objects that have the same color.
Convert strokes to outlines	Selects whether the strokes will be cut separately as an object.
Passes	Defines the number of times that the blade will cut the same path. Set this option if you are using thick or hard media that can't be cut in a single pass.
Units	Specifies the units that will be used for measurements.

Sending Jobs to Cutting Master 2

To send the current job to Cutting Master 2 for output, click the **Send** button in the Cut/Plot dialog. To exit the Cut/Plot dialog, click **Done**.
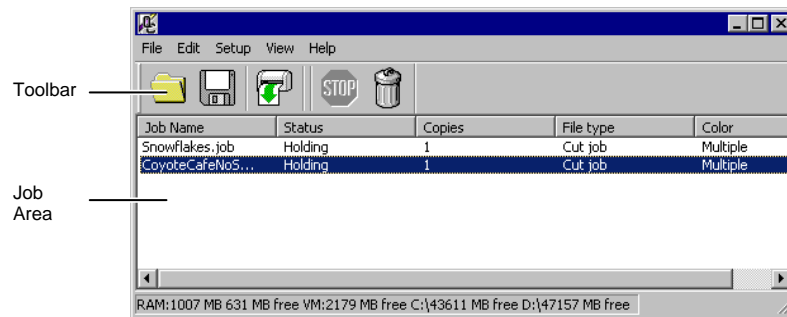
Once sent to Cutting Master 2, the job will immediately be output, unless the **Hold in List** option on the General tab of the Cut/Plot dialog is checked. If **Hold in List** is checked, the job must be output manually. See "Outputting Jobs from Cutting Master 2" page 17 for details.

Once output, the job will either be deleted, or held in the queue, depending on the **After Output** setting in the **Advanced** tab of the Cut/Plot dialog. See "Setting Advanced Tab Properties" page 12 for details.

Outputting Jobs from Cutting Master 2

Basic Elements of Cutting Master 2

The following are the basic elements of Cutting Master 2:

Column Headings

Note the column headings in the job area:

Job Name   The file name of the job.

Status   The current status of the job.

Copies   The number of copies to be output.

File Type   The type of job.

Color   The color specified for the material. If multiple colors are specified, this field will read **Multiple**.

Toolbar

A toolbar is located at the top of the main window. It contains tools for the most commonly used functions.

To show or hide a toolbar, select **Toolbar** from the **View** menu.

The toolbar functions are:

Add Job   Adds a job to the selected output device.

Save As   Saves the selected job to a file.

Send Job   Sends the selected job to the output device.

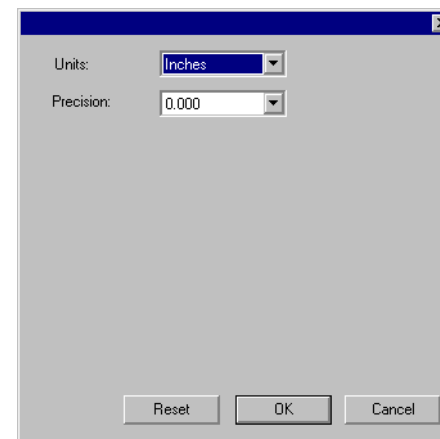**Abort**   Stops selected file from being output.

Delete   Deletes the selected job or jobs.

Setting Application Preferences

To set application preferences, from the **Edit** menu select **Preferences**.

The following settings are available:

Units   The units of measurement displayed.

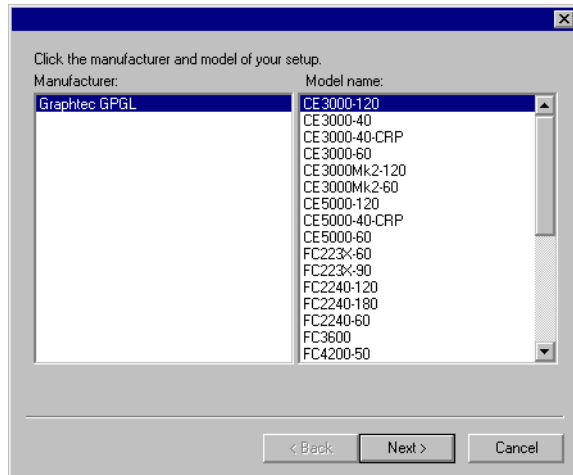**Precision**   The degree of precision to use with measurements.

Creating an Output Device Setup in Cutting Master 2

The output device setup provides the link between the software and your output device. It contains the following information:
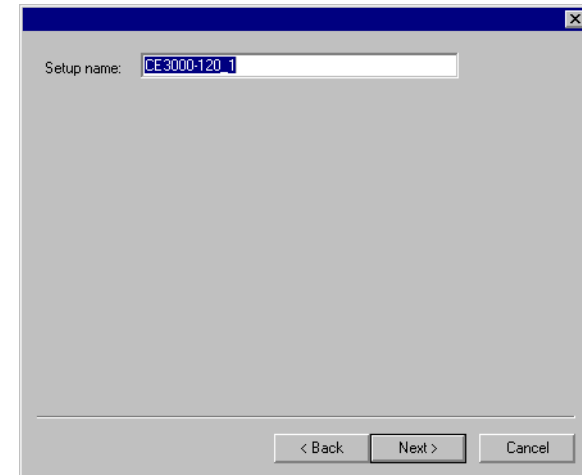
- The type of output device being used.

- The method used to communicate with the device.
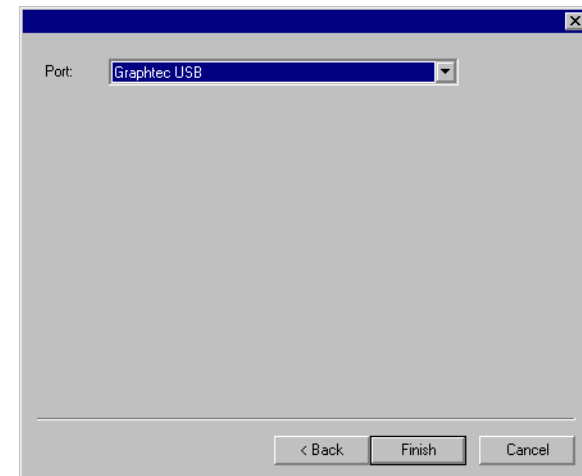
Creating Your First Output Device Setup

When you start the software for the first time, you are prompted to create your first output device setup:

1. Select the **Manufacturer** and **Model Name** of the output device from the list.

2. Click **Next**.

3. Edit the **Setup name** of the device.

4. Click **Next**.

5. Select the **Port** the output device uses for communication. If necessary, edit the communications settings for the chosen port.

6. Click **Finish**.

Changing the Output Device Setup

The software allows only one output device setup to be in use at any given time. Creating a new setup will eliminate the existing one.

To change the output device setup, from the **Setup** menu, select **Change Setup**.

The steps to create the new setup are the same as the ones for the original setup.

Editing Output Device Settings

To edit the properties associated with the output device setup, from the **Setup** menu, select **Setup Properties**.

Job Workflow Tab

The Job Workflow tab displays information about the output device.

Setup name   Name of the setup.

Communication Tab

The **Settings** section of this tab changes depending on the port used to connect to the output device.

Ports are listed in order of popularity for each device. Only the ports that are usable by the output device are listed.

The standard port for the device is selected by default. Some of the port settings may still need to be entered or edited, however.

Port   Select the port to which the cutter is connected. The port list is limited to the ports that are actually present on your computer and usable with your output device.

LPT   Parallel port is the most common method to connect cutters to the computer. The following settings are available:

Transmission buffer	The size of the transmission buffer in bytes
Check port state before sending	If checked, the software will send a data packet to the cutter to test if the cutter is connected before beginning to cut the job.

Use standard LPT driver	Whenever possible, the software uses a custom LPT driver to increase the performance of the LPT port.
	If checked, the software will use the standard Windows LPT driver instead. Performance will be diminished, but reliability may be enhanced.
	The following settings are enabled when the custom driver is in use:

Mode	Use **ECP** (Enhanced Capabilities Mode) for the fastest possible transmission speed. **EPP** (Enhanced Parallel Port) is not as fast, but may be more compatible.
ECP uses DMA	Using DMA with ECP can increase the maximum bit rate from 2 mbps to 4 mbps.
Yield if device is busy	If checked, the software will release the extra system resources used by the custom driver while the output device is busy. This may aid overall performance.

USB	USB drivers are provided with output devices that support them. Please make sure the proper drivers are installed when using these ports.
COM	Serial communications port. This port is only supported by cutters.
	In addition to the standard serial port controls for bits per second, data bits, parity, stop bits and hardware/software flow control, there are checkboxes which enable/disable the following wires:

DTR	Data Terminal Ready
DSR	Data Set Ready
RTS	Request To Send
CTS	Clear To Send
DCD	Data Carrier Detect

Outputting a Test Cut Job

The software allows you to output test cutting jobs to appropriate output devices, to make sure everything is functioning properly.

To output a test cut job, from the **Setup** menu, select **Test Cut**.

Outputting Jobs from Cutting Master 2

If the **Hold in list** box in the General tab of the Cut/Plot dialog is not checked, jobs that are sent to Cutting Master 2 will be output automatically as soon as they are received.

If **Hold in list** is checked, the job will stay in the queue until you output it manually.
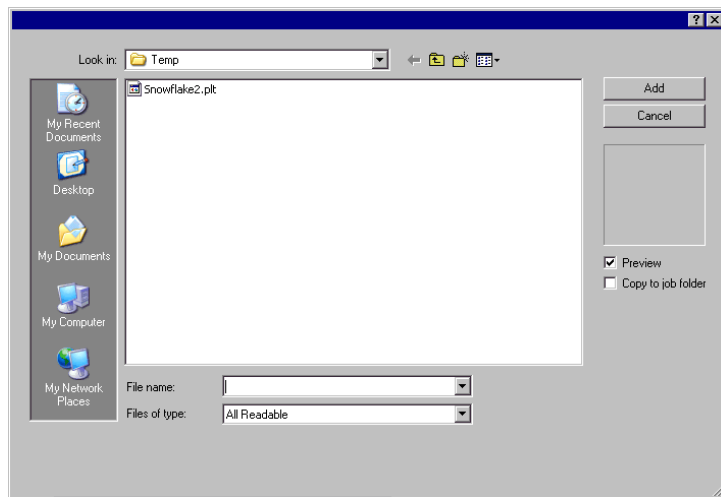
Saving a Job to a File

To save a job to a .PLT file, do one of the following:

- Select the job and from the **File** menu, select **Save As**.

- Select the job, then click on the **Save As** button in the toolbar.

- Right-click the job and select **Save As** from the context menu.

Loading a Saved Job from a File

To load a previously-saved job from a file:

1. From the **File** menu, select **Add Job**.

2. Select the file to be added.

3. If you want to copy the file to the local job folder, check **Copy to job folder**.

> 📄 If the job is on removable media or a network drive, copying it to a local folder will allow you to process the job after removing the media or disconnecting from the network.
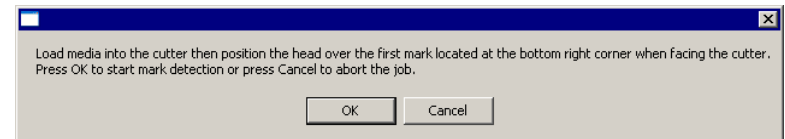
4. Click **Add**.

Sending Jobs to the Cutter

To send a job to the cutter, do one of the following:

- Select the job and from the **File** menu, select **Send**.

- Select the job, then click on the **Send** button in the toolbar.

- Right-click the job and select **Send** from the context menu.

Cutting a Job on a Cutter with Automatic Alignment

To cut a job on an automatically aligned cutter:

1. Align the cutting head over the first automatic registration mark (lower right if not marked) using the controls on the front panel of the cutter.

2. Click **OK** to cut the contour.

Aborting the Processing of a Job

To abort the processing of a job while it is being cut, do one of the following:

- Select the job and from the **File** menu, select **Abort**.

- Select the job, then click on the **Abort** button in the toolbar.

- Right-click the job, then select **Abort** from the context menu.

If a job is aborted while being output, its status freezes at **0%**.

Deleting Jobs

To delete a job, do one of the following:

- Select the job and press the **Delete** or **Backspace** key on your keyboard.

- Select the job and from the **Edit** menu, select **Delete**.

- Select the job, then click on the **Delete** button in the toolbar.

- Right-click the job, then select **Delete** from the context menu.

Contour Cutting Using Cutting Master 2

Cutting Master 2 allows you to use a cutter to cut a contour on printed output generated on a separate printer. This produces output similar to that of a hybrid printer/cutter device.

In order to cut a contour on a printed job, you need to do the following:

1. Create the design for the job in your design application.

2. Add registration marks that will allow Cutting Master 2 to align the cut contour with the printed job.

3. Output the printed parts of your design.

4. Load the printed media into your cutter.

5. Output the contour part of your design on your cutter.

Designing a Job for Virtual Hybrid Output

When designing a job for virtual hybrid output, the most important thing is that you should be able to separate the printed parts of the job from the cut parts of the job.
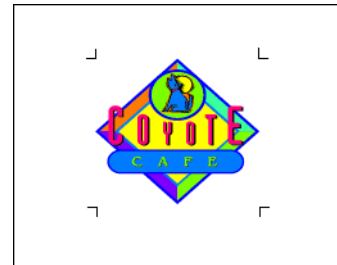
This can be done in two ways:

- By placing printed and cut elements on separate layers and then hiding the layers you do not want to output.

- By manually selecting the elements you want to print or cut, and then printing or cutting only the selected elements.

Of these two methods, we recommend using separate layers to isolate printed and cut elements, as this works much better with complex designs.

Adding Registration Marks to the Print Job

The Cutting Master 2 plug-in allows you to add registration marks to your design. These registration marks can then be used to align a contour cut with the printed output.

The registration marks are added in their own separate, locked layer of the design.

📄 Do not change the name assigned to the layer containing the registration marks.

The registration marks must be printed out in order to be used for automatic alignment of a contour cut. The marks themselves will not be contour cut.

There are two ways to add registration marks to a design:

- Adding registration marks automatically.

- Adding a rectangle to the design and replacing it with registration marks.
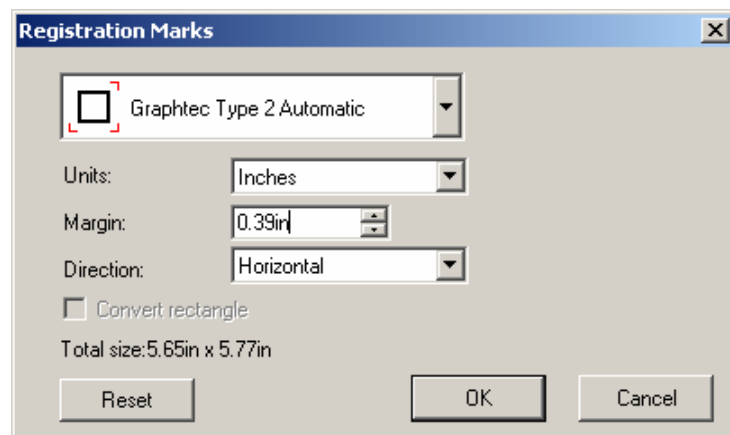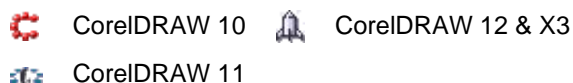
📄 If the design is changed or resized after the registration marks are added, you will need to remove the registration marks and add them again in order to properly indicate the new size of the job. Registration marks do not automatically update when a job is edited or resized.
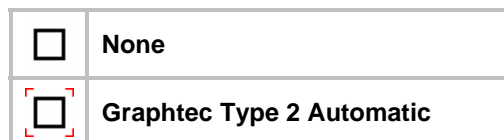
Adding Registration Marks Automatically

If no object is selected, Cutting Master 2 will automatically add registration marks around your design.

To add registration marks to your design:

1. Open your job in the design application.

2. Access the Registration Marks dialog using one of the following methods:

   - In Adobe Illustrator, from the **File** menu, select **Cutting Master 2** then **Registration marks**.

   - In CorelDRAW, select **Registration Marks** from the Corel Application Launcher. The Corel Application Launcher is a list in the standard toolbar that lets you launch other applications from within CorelDRAW. It uses the following icons, depending on your version of CorelDraw:

     ![C]   CorelDRAW 10   ![rocket]   CorelDRAW 12 & X3

     ![icon]   CorelDRAW 11

3. Select the desired registration mark from the topmost list.

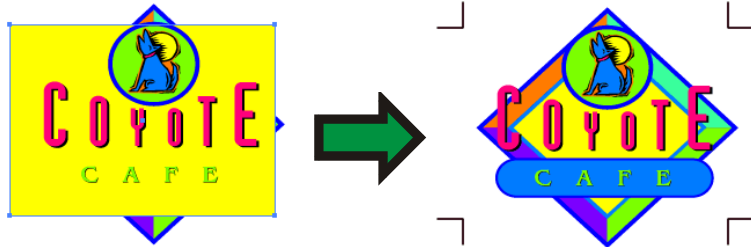| ☐	**None**
⌐☐⌐	**Graphtec Type 2 Automatic**

4. Set the following options:

Units	The unit of measurement.
Margin	The distance between the registration marks and the job.
Direction	If checked, Segment Area type marks will be rotated 90 degrees
Convert Rectangle	If checked, the registration marks will be placed around the border of the selected rectangle. The rectangle will then be deleted, leaving only the registration marks.
Total size	The dimensions of the area covered by both the job and the registration marks together.

5. Click **OK**.

Replacing a Rectangle with Registration Marks

If a rectangle is created in the design application, and is selected when the Registration Marks dialog is opened, Cutting Master 2 can use it as a bounding box for the registration marks. The registration marks will be placed on the border of the rectangle, and then the rectangle will be deleted, leaving only the registration marks.

To replace a rectangle with registration marks:

1. Open your job in the design application.

2. Draw the rectangle that you want to use as a bounding box.

3. Access the Registration Marks dialog (see previous instructions).

4. Make sure the **Convert Rectangle** option is checked.

5. Set any other desired options (see previous instructions).

6. Click **OK**.

Removing Registration Marks

To remove the registration marks, do one of the following:

- Repeat the procedure used to add the marks, but select **None**.

- Unlock and delete the layer that contains the registration marks.
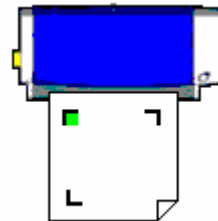
Outputting the Printed Parts of the Design

To output the printed parts of the design:

1. Hide the layer or layers which contain the contour cuts.

2. Make sure the layer or layers which contain the printed part of the design are visible.

3. Use the standard printing function of the design application to send the job to your printer.

Loading the Printed Media into Your Cutter

Once the printed parts of the job have been output, allow the ink to dry (if necessary), then remove the media from the printer and load it into your cutter.

Be sure to orient the printed media so that the registration marks are not upside down, as this can cause problems.

Load the media into the cutter then position the head over the registration mark located at the top left corner when facing the cutter.

Outputting the Contours to Your Cutter

To output the contour cut part of your design:

1. Hide the layer or layers that contain the printed part of your design.

2. Make sure the layer or layers that contain the contour cuts are visible.

3. Use the Cut/Plot dialog to send the output to Cutting Master 2.

4. Send the cut job to the cutter from Cutting Master 2, if necessary.

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