

RX II Series User Manual



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<u>NOTICE</u>

GCC reserves the right to modify the information contained in this user manual at any time without prior notice; un-authorized modification, copying distribution or display is prohibited. All comments, queries or suggestions concerning this manual please consult with your local dealer.

Important Information

GCC

Thank you for purchasing the GCC RX II Series Cutting Plotter.

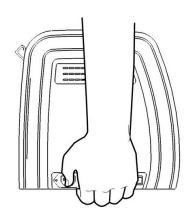
Before you use the cutting plotter, please make sure that you have read the safety precautions and instructions below.

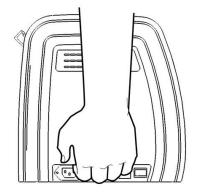


SAFETY PRECAUTIONS!

> For safety concern, please always hold the cutter firmly from the bottom while moving

it. Do not move the cutter by clasping the depression area on both sides.





O (Correct)

(Incorrect) Х

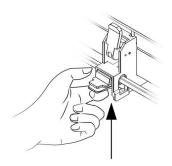
- > Do not shake or drop the blade holder, a blade tip can fly out.
- During an operation, do not touch any of the moving parts of this machine (such as the carriage). Also be careful to make sure that clothing and hair do not get caught.
- Always connect the power cable to a grounded outlet.
- Always use the accessory power cable which is provided. Do not wire the power cable so that it becomes bent or caught between objects.
- Do not connect the power cable to branching outlet to which other machines are also connected, or use an extension cable. There is danger of overheating and of mis-operation of the machine.
- > Keep the tools away from children where they can reach.
- > Always put the pinch rollers within the white marks.

Warning

Never press the top release grip and pull the bottom release grip at the same time as the pictures shown below:

O (CORRECT) Press down

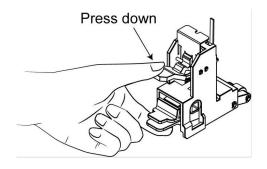




Pull up bottom to release grip

ENABLE





Note:

In case the grips clipped together due to your wrong operation, please use a pair of tweezers to pull out the stop bar when pressing down the top release grip. Keep the stop bar outside then release the grips as the right figure.



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Chapter 1 General Information

1.1 Introduction

RX II series cutting plotters have been designed to produce computer-generated images or perform contour cutting on sheets or rolls of vinyl media.

This manual covers the following models of RX II series cutting plotters:

• RX II-61	for media width: 50mm (1.97") ~ 810mm (31.88")
• RX II-101S	for media width: 50mm (1.97") ~ 1326mm (52.2")
• RX II-132S	for media width: 50mm (1.97") ~ 1635mm (64.37")
• RX II-183S	for media width: 50mm (1.97") ~ 2145mm (84.44")

1.2 Package Items

The package of the RX II series contents the items listed below, please check carefully. If you find any item missing, please consult your local dealer for further assistance.

Standard Item	
1. Cutting Plotter	1
 2. Stand Set (for RX II-101S/132S/183S only)(Optional for RX II-61) 2 piece of T-shape stand 1 piece of stand beam 18 pieces of M6 screws 1 piece of M5 L-shape hexagon screw driver 1 piece of Installation Guide for Stand Set 	1



tems	183S/132S/101S	61	
1 set of Roll Media Flange (2 pieces)	V	V	
1 set of Roll Holder (2 pieces)	V	V	
1 set of Roll Holder Guide Bushes (4 pieces)	V	V	
1 set of Roll Holder Support (2 pieces)	V	V	
1 piece of M6 L-shape hexagon screw driver	V	V	-
1 piece of Installation Guide for Roll Holder		V	1
1 piece of M5 L-shape hexagon screw driver		V	
1 set of Desktop Support Brackets (2 pieces)		V	
4 pieces of Plastic Foot		V	
4 pieces of M4 screws		V	
12 pieces of M6 screws		V	
1 piece of M4 L-shape hexagon screw driver		V	
ccessories 1 piece of User's Compact Disk 1 piece of AC power Cord 1 piece of data cable (USB cable: 3m) 1 piece of Ethernet cable 1 set of Blade Holder Assembly (Installed i plotter) 1 piece of Blade (Installed in Blade Holder) 1 piece of Safe Blade 1 piece of Cutting Pad for Vinyl cutting	n tool carriage of tl	ne cutting	1

1.3 Product Features

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The following are the main features of the RX II series cutting plotters:

- Triple port (USB, serial and Ethernet port) connectivity
- Up to 600-gram cutting force
- Up to 1530 mm per second (60 ips) cutting speed (at 45° direction)
- Can work with up to 0.8mm (0.03in) thick material
- Guaranty 10-meter tracking
- User friendly and multi-language control panel
- Enhanced Automatic-Aligning System (AAS II) for automatic contour cutting
- Ingenious media basket (optional item)



1.4 Appearance of RX II Series

1.4.1 The Front View (Figure 1-1)

Grid Drums - move

the media back and forth during operation.

Tool Carriage – performs the cutting with the installed blade and pen with AAS module.

Control panel – consists of 14 control keys and 1 LED and 1 LCM showing messages and menus.

Slicer Groove -

slice off the extra media easily along this groove.

> **<u>Platen</u>** – provides the surface for holding and supporting media while performing cutting.

Cutting Pad – provides the protection of blade when the blade is cutting.

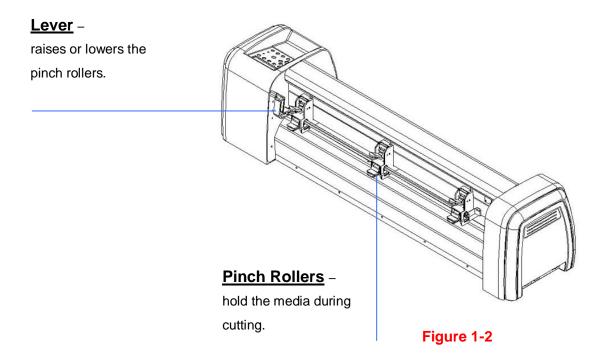
Alignment Rulers -

media can be aligned with the clear guide line marks.

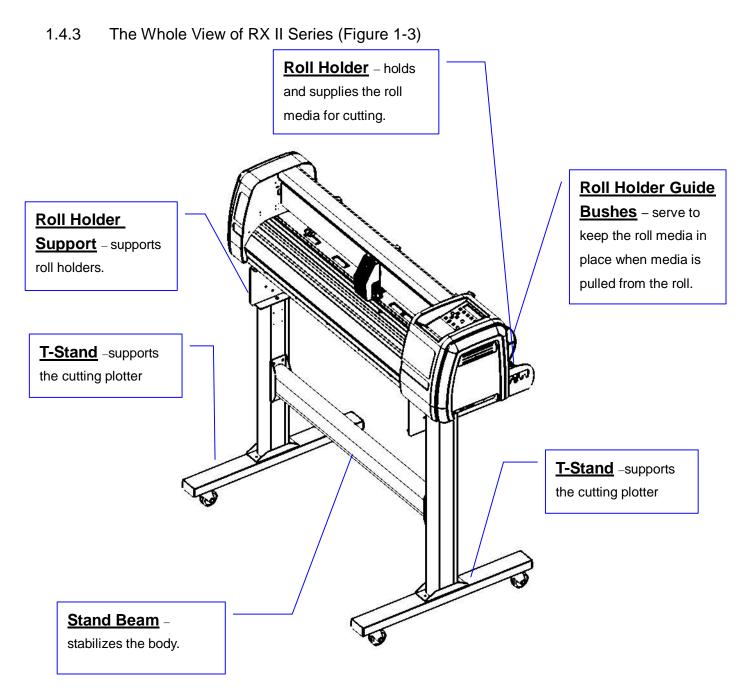
Figure 1-1



1.4.2 The Back View (Figure 1-2)



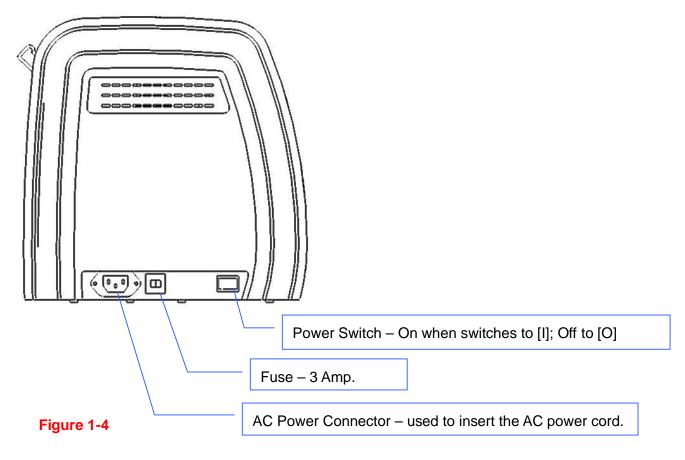




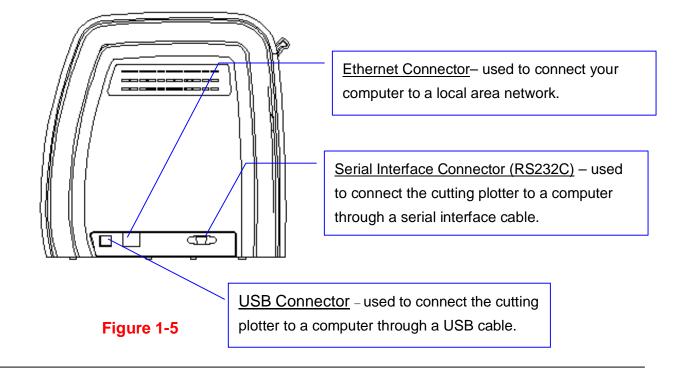




1.4 4 The Left-hand Side (Figure 1-4)



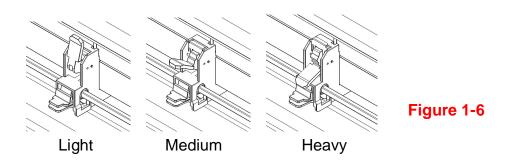
1.4.5 The Right-hand Side (Figure 1-5)



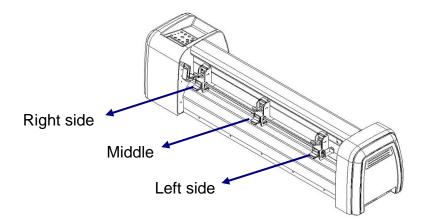


1.4.6 Pinch roller (Figure 1-6)

The Multi-Pressure Pinch Rollers give users three pressure settings to better cater to the different types of media that they are working with, for example, set light hold-down pressure of the pinch roller in the middle when cutting thin materials such as window tinting film.



Please note that the pressure of the pinch rollers on the left and right sides should always be the same or heavier than the pinch rollers in the middle. The pressure of the pinch rollers on the left and right sides should be set to the same pressure setting. You can use the following combinations of the pinch rollers. (**Table 1-1**)



Left side	Middle	Right side	
Heavy	Medium	Heavy	
Medium	Medium	Medium	
Medium	Light	Medium	

Table 1-1

Chapter 2 Installation

2.1 Precaution

Please read below information carefully before you start installation.

Notice 1

- Make sure the power switch is off before installing the cutting plotter.
- Carefully handle the cutter to prevent any injuries.

Notice 2 Choosing a proper place before setting up the cutting plotter

Before installing your cutting plotter, select a suitable location, which meets the following conditions.

- The machine can be approached easily from any direction.
- Keep enough space for the machine, accessories and supplies.
- Keep the working area stable, avoiding sever vibration.
- Keep the temperature between **15 and 30** °C (60-86°F) in the workshop.
- The relative humidity of the working environment should be between **25% and 75%**.
- Protecting the machine from dust and strong air current.
- Preventing the machine from direct sunlight or extremely bright lighting.

• **Notice 3** Connecting the Power Supply

Check the plug of the power cord to see if it matches with the wall outlet. If not, please contact your dealer.

- Insert the plug (male) into a grounded power outlet.
- Insert the other end (female) of power cord into the AC connector of cutting plotter.



Notice 4 Tightening or Loosing Screws with Screwdriver



Whether manual or electric screwdriver, be careful not to use excess torque force when tightening or loosing screws. When tightening or loosing iron and stainless steel screws, please refer to the following screw torque standard table, other materials screws are not included.

Screw	Torque value (kgf-cm)
diameter	Torque standard for high hardness materials
M3	6
M4	16
M5	30
M6	50

2.2 Stand & Flexible Media Support System (for RX II-101S/132S/183S) Step 1

Please examine supplied items in the accessory box of stand carton:

- 2 pieces of base beams
- 2 pieces of side beams
- 1 piece of stand beam
- 20 pieces of M6 screws
- 1 piece of M5 L-shape hexagon screw driver
- 1 piece of Installation Guide for Stand Set

Step 2

- Remove the plotter body and the accessories from the shipped carton.
- Assemble the base beam to the side beam with 2 screws to form a T-shape stand. (See Figure 2-1)

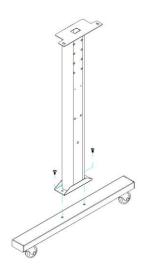


Figure 2-1



Please pay attention to the direction of the base beam (the wheel on the front end of the beam comes with a break while the rear one is on its own).



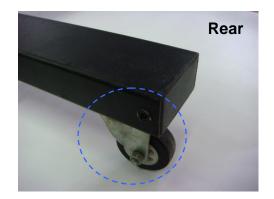




Figure 2-3

Place the stand beam upright on the T-stand and follow number **12** to assemble (See Figure 2-4 & 2-5). There is hexagon socket head screws fasten on the T-stand on both side taken as locating pins.

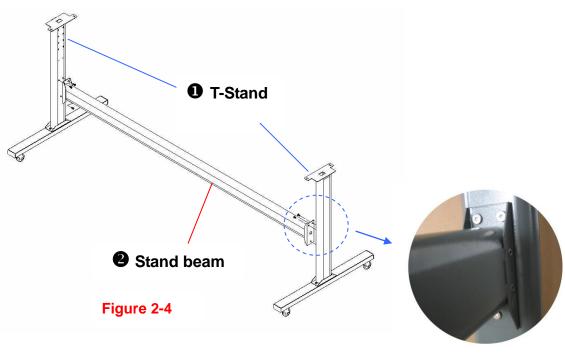


Figure 2-5

Step 4

Position the stand beam perpendicularly to part **①** and put the screws into the holes and tighten them as Figure 2-5. Then the complete picture of stand will be like Figure 2-4.



Remove the cutting plotter from the carton. Position your stand under the plotter, on the bottom of the plotter, there is one hole on each side in the position corresponding to the locating pins, so the locating pins can be located into the holes. Then insert the screws into the holes on the stand to fix the plotter and tighten them up as shown in Figure 2-6.

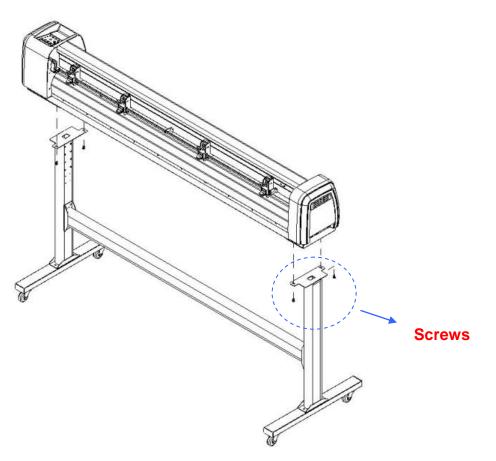
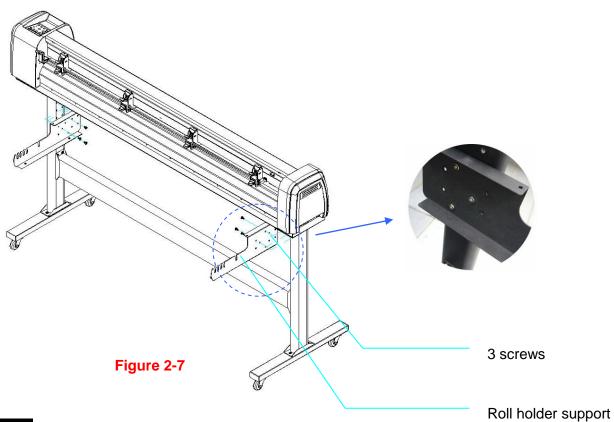


Figure 2-6

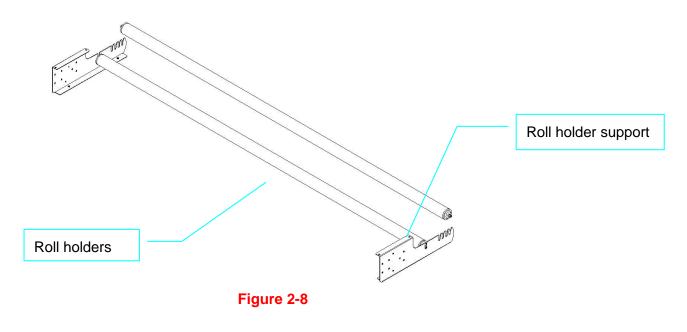


Insert the roll holder support with the screws into the holes of the stand, and then tighten them up as shown in Figure 2-7. You could decide roll holder support's position by inserting into different holes.



Step 7

Place two roll holders onto the roll holder support and ensure the white protrusion is wedged in the groove. (Figure 2-8)







Turn the screw counter-clockwisely for around three times after unpacking the roll holder (Figure 2-9).



Figure 2-9

Step 9

Insert the end of the roll holder without the damper into the left roll holder support and then insert the end of the roll holder with the damper into the right roll holder support and ensure the white protrusion is wedged in the groove (Figure 2-10).



Figure 2-10



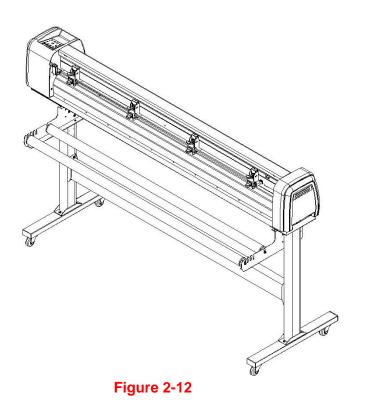
Tighten the screw on the damper until it is securely attached to the right roll holder support (Figure 2-11).



Figure 2-11

Step 11

Lastly, the complete picture will be shown like below. (Figure 2-12)

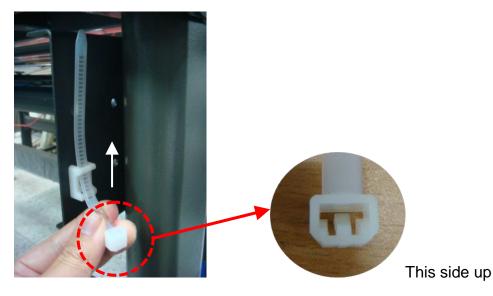




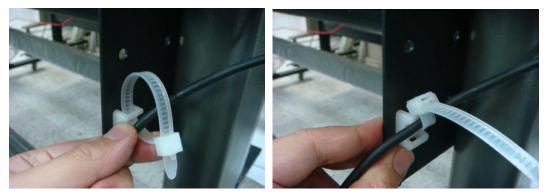
2.3 USB Cable Tie and Saddle

The USB cable tie and saddle assembly for the stands with Flexible Media Support System only.

Step 1 Insert the cable tie into the upper hole of cable saddle from bottom to top.



Step 2 Place the USB cable into the cable tie and tighten the cable tie.

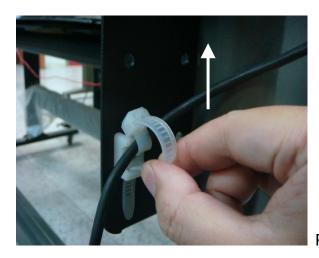


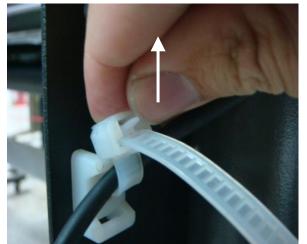
Step 3 Insert the cable tie end into the lower hole of cable saddle to finish the job.





Untied way: pull out the cable tie \rightarrow pull up the pin \rightarrow release the cable tie.





Pull out the cable tie

Pull up the pin



Release the cable tie



2.4 Desktop Flexible Media Support System (For RX II-61 only)

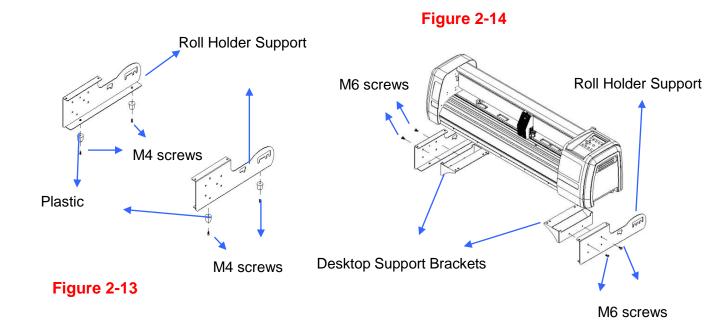
Step 1

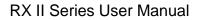
Please examine the following items in stand carton's accessory box:

- 1 set of Roll Media Flange (2 pieces)
- 1 set of Roll Holder (2 pieces)
- 1 set of Roll Holder Guide Bushes (4 pieces)
- 1 set of Roll Holder Support (2 pieces)
- 1 set of Desktop Support Bracket (2 pieces)
- 4 pieces of Plastic Foot
- 4 pieces of M4 screws
- 12 pieces of M6 screws
- 1 piece of M4 L-shape hexagon screw driver
- 1 piece of M5 L-shape hexagon screw driver
- 1 piece of M6 L-shape hexagon screw driver (for adjusting the screws of Roll Holders)
- 1 piece of Installation Guide for Roll Holder

Step 2

Put the 4 Plastic Foot under the Roll Holder Support and insert the M4 screw into the hole of Plastic Foot and tighten them with the M4 L-shape screw driver. (Figure 2-13)







Position the Desktop Support Brackets beside the Roll Holder Support and insert M6 screws into the Roll Holder Support and tighten them with M6 L-shape screw driver. (Refer to Figure 2-14).

Step 4

Put the bottom of machine in lateral, and position the Roll Holder Assembly beside the bottom of the machine. Then, insert the M6 screws into the holes of Roll Holder support assembly and tighten them with M6 L-shape screwdriver. Like Figure 2-15.

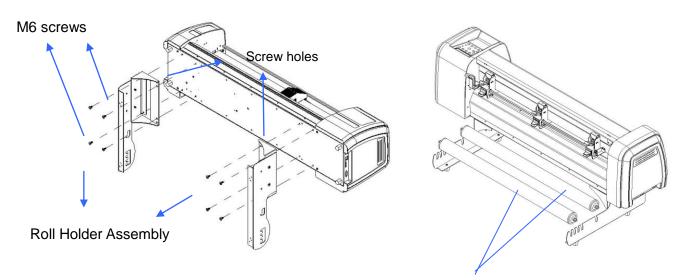


Figure 2-15

Roll Holders

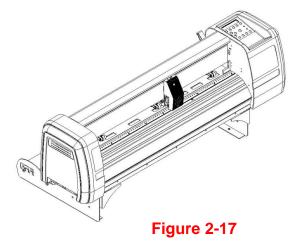
Figure 2-16

Step 5

Place the two roll holders into the holes of Roll Holder Support (Figure 2-16).

Step 6

The complete Desktop Media Support System will be shown as in Figure 2-17.





2.5 Instruction of Damper Roller

Turn the wheel as instructed below to adjust damping. The bigger the number is, the stronger the damping. The volume symbol sticker indicates the damping level (Figure 2-18,19).

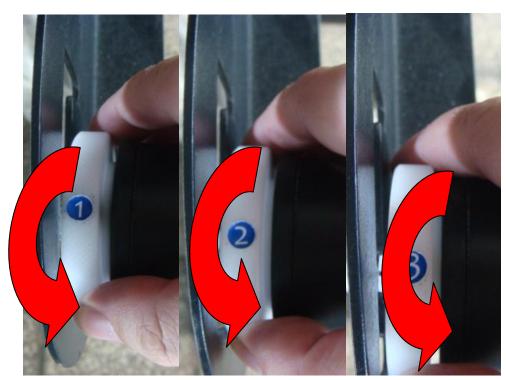


Figure 2-18

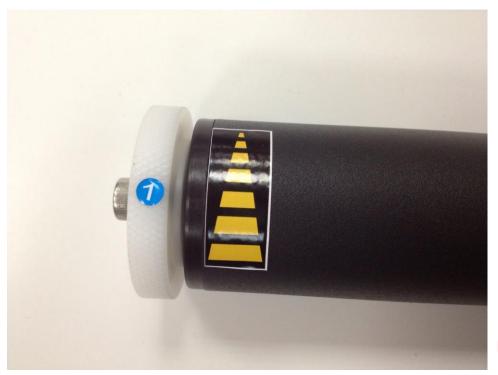


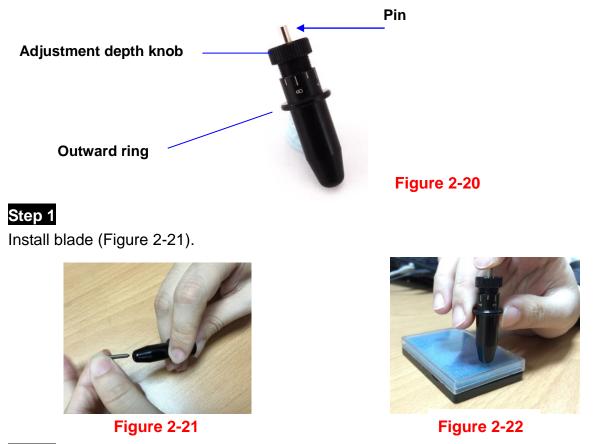
Figure 2-19



2.6 Blade and Blade Holder Installation

2.6.1 Blade Installation

Figure 2-20 is the illustrator of the blade holder. Insert a blade into the bottom of the blade holder and remove the blade by pushing the pin. Make sure that your fingers are away from the blade tip.



Step 2

Push the blade to the bottom of the blade holder. (Figure 2-22).

Step 3

Adjust the blade tip to suitable length by screwing "Blade tip adjustment screw" clockwise or count-clockwise. (Figure 2-23).



Figure 2-23

Tips:

"The proper length" means the blade's length is adjusted 0.1mm more than film's thickness. That is, if the thickness of film is 0.5mm, then blade's length is properly adjusted 0.6mm and it can completely cut through the film layer yet avoid penetrating the backing.



2.6.2 Blade Holder Installation

Step 1

Insert the blade holder into tool carriage. Please note the outward ring of the holder must put into the grooves of carriage firmly (see Figure 2-24), then fasten the case (Figure 2-25).

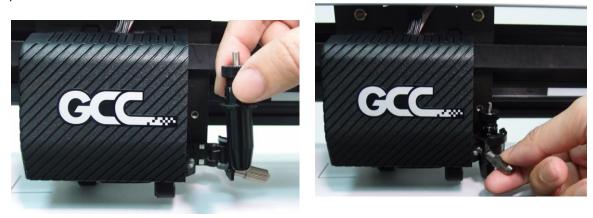


Figure 2-24

Figure 2-25

Step 2

Use the reversing steps to remove the blade holder.

Step 3

Eject the blade. Push "Blade eject pin" to eject blade when the blade needs to be replaced.

Caution!!

The blade will lose its sharpness after a period of usage; the cutting quality might be affected. By increasing the cutting force, it might do the trick. However, once the blade is worn out and no longer provides a reliable cutting, you should replace a new one. The blade is consumable and must be replaced as often as necessary to maintain the cutting quality. The quality of the blade deeply affects cutting quality. So be sure to use a high quality blade to ensure good cutting results.



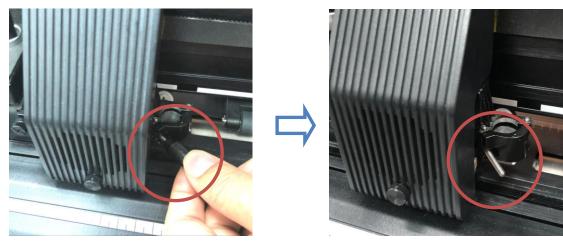
2.6.3 Extension Holder Installation

Extension holder is used to move the center of a cutting blade from the original position. The extension holder needs to be installed to the carriage, then insert the blade holder into the extension holder. Plase follow the step by step instruction below.



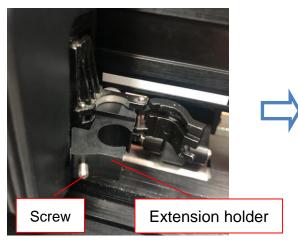
Step 1

Remove the case from the carriage.



Step 2

Insert the screw into the hole on the extension holder, and then fasten the case to the carriage. Please note the flange of the holder extension must put into the grooves of carriage.







Insert the blade holder into extension holder.



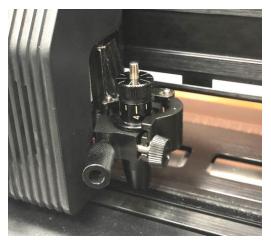
Step 4

Fasten the thumb screw to fix the tool carriage.



Step 5

The machine is ready to use.





2.7 Automatic Blade Length Detection

Figure 2.-26 is the new blade holder with a scale and the carriage with a mark. This blade holder detects blade length automatically and shows how the knob needs to be turned on the LCM.

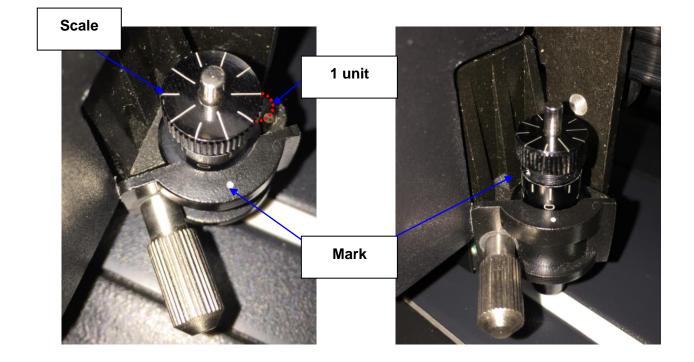


Figure 2-26



There are 10 units on the scale; each unit equals to 0.05 mm, allowing you to adjust the blade length for 0.00mm-5.00mm (Figure 2-27).

Follow the steps below to adjust the length of the blade:

- 1. Keep the blade tip within the blade holder before you start adjusting.
- 2. Align one of the scales on the blade holder to the mark on the carriage
- 3. Select "Blade Length Adjust" under "CUT TEST" on the LCM, enter the blade length wished in "Set Length"; test the blade holder first and then test the blade length by pressing ENTER.
- **Note:** Keep the blade holder at the same position when you perform blade holder and blade length tests.



4. When blade holder and blade length tests are finished, the screen will show you to what degree (the unit of the value following "CW" or "CCW" is "circle") and in which direction [CW (clockwise) or CCW (counterclockwise)] you should turn the adjustment knob.

EG, Turn CW 5 is telling you that you should turn the knob for 5 units clock-wisely (Figure 2-28, Figure 2-29).

5. The screen will show "Adjustment completes" when the value on the screen is 0, the blade length is perfect and no more adjustment needs to be made. Press "Enter" now to complete the process and you may start cutting at this point.



Figure 2-28

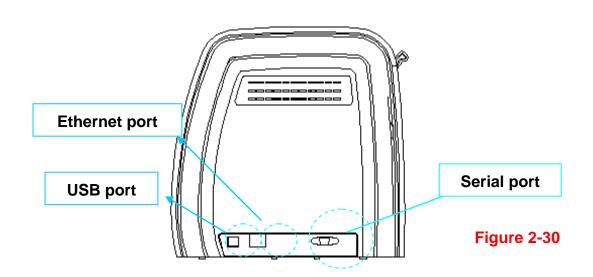
Figure 2-29



2.8 Cable Connection

The cutting plotter communicates with a computer through a **USB (Universal Serial Bus), Serial port (RS-232C) or** an **Ethernet port**. This chapter shows you how to connect the cutting plotter to a host computer and how to set up the computer/cutting plotter interconnection.

!! Notice: When USB connection is enabled, the serial port will be disabled automatically.

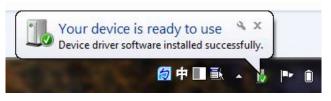


2.8.1 USB Interface

RX II series build-in USB interface are based on the Universal Serial Bus Specifications Revision 2.0 (Full Speed).

2.8.1.1 Connecting your GCC cutter

- 1. Turn on the machine.
- 2. Connect the USB connector to the machine and then USB driver will installed automatically. It will take a few minutes to find the device. Please DO NOT disconnect the USB cable until the installation has completed.
- 3. You can double click the USB icon on the taskbar to make sure the USB device is detected.





2.8.1.2 Installing the driver

Use the USB One-click Installation for quick driver installation. Follow the simple steps below for driver setup.

Caution!!

If you are using Windows 7 and above as your operating system, make sure you log in using the "Administrator" account.

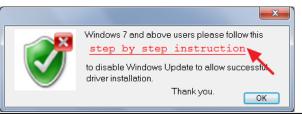
- Step 1 Put the installation DVD into your CD-ROM. Please make sure that the USB device is connected before you start the driver installation.
- Step 2 Choose the model you want to install from the driver list and click on Windows Driver (Win 7 and Above) (Automatic Detection) or Windows Driver (Win 7 and Above) (Manual Selection) to start installing the Driver and AAS plug-in.

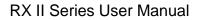
Cutting Plotter	
RX	
Jaguar	The second
Puma	
Expert Pro	
Bengal	
Expert	
AR-24	
Apparel Plotter	
Vogue	
Plug-in Software	100
GreatCut	
nstall Acrobat 10.1.4	
EXIT	

Step 3 Click "Next" to start the driver installation.

Cutter_Driver_Install_ar	
Installing	
Current File Copying file: C.S., Vaystem 321gcctemp1AASPkg(Microsoft VI	CSO.CRT/movem90.dl
Time Remaining 1 minute 0 seconds	
Wise Installation WizardR	<back next=""> Cancel</back>

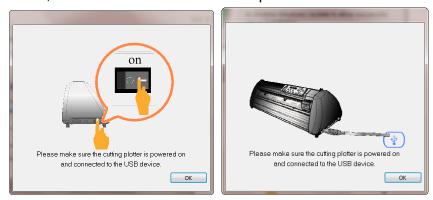
Step 4 If you were Windows 7 and above users, please click on the red words to instruct you how to disable Windows Update to allow success driver installation. And then click OK to next step.







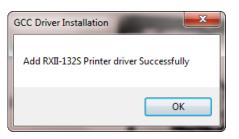
Step 5 Please make sure the cutting plotter is powered on and connected to the USB device, and then click OK to next step.



Step 6 Confirm to close all running application programs before you start installing the driver, and then click OK.



Step 7 The installation will take a few minutes to complete and you will see a message below and click on "OK" upon completion. Enjoy your GCC cutter!



Step 8 If you want to install AASII VBA on CoreIDRAW and Adobe Illusatrator, exit CoreIDRAW and Adobe Illusatrator program, and then click on "Install."

d	GCC AASII installer V2.12-03
	Welcome to the installer for AAS II VBA on CoreIDRAW version 11 12 13 14 15 16 17 18 and Adobe Illustrator CS3 CS4 CS5 CS6 CC
	It is strongly recommended that you exit CoreIDRAW and Illustrator program before continuing
	Install Exit



Step 9 Check Install Message to confirm CorelDRAW and AI version and then click

nstall Message		X
Corel Message Install CorelDRAW 17.0 G	CCAASII_Draw.gms successful	
AI Message AI Plug-in not find		
	ОК	

Note:

(1) If the driver is being installed for a second time, the user will be prompted as to whether a second copy of the driver installation is required.

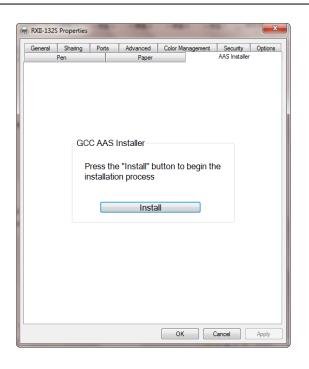
GCC Driver Installation
The RXII-132S driver installed Do you want to add an attachment?
Yes No

(2) If the user selects yes, a second copy of the driver will be installed.



(3) For users who have upgraded Adobe Illustrator or CoreIDRAW, please go to the AAS Installer page in the Printer Properties window and click "Install" to access the latest version of GCC AAS Plug-in.

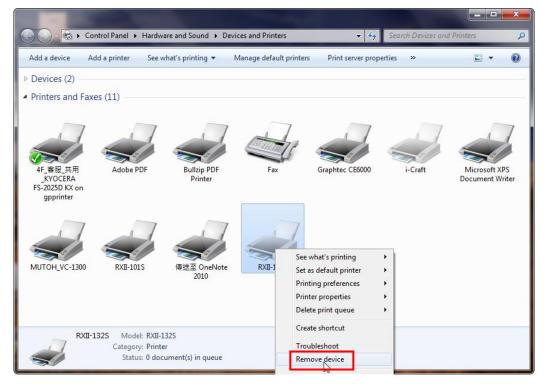




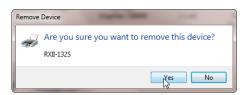
2.8.1.3 Driver Un-installation

You have to remove previous version driver installed on your PC system completely before you can install the latest version successfully. Please refer to below steps.

Step 1 Go to Control Panel\Hardware and Sound\Devices and Printers window. Right click the printer and select "Remove device."

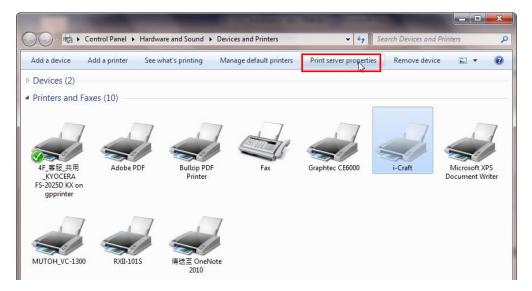






Step 2 After removing the unit, click on any printer on the page and select "Print server properties." (For Win 7 and above)

Or right click on blank space and then select "**Print server properties**." (For Windows XP)



Step 3 Select "Driver" page

🖶 Print Server	Properties			×	
Forms Ports	Drivers Security Ad	lvanced			
Forms on:	MARKET-EILEENC				
10x11 10x14 11 x 17 11x17			Delete Save Form]	
Form name:	10x11				
measuremer	new form r form by editing the e rts. Then click Save Fo iption (measurements	rm.		1	
Units:	Metric	English			
Paper size:	Printer a	area margins:			
Width:	25.40cm Left:	0.00cm Top	o: 0.00cm		
Height:	27.94cm Right:	0.00cm Bot	tom: 0.00cm		
😗 Chan	Thange Form Settings				
		Close	Cancel Apply		





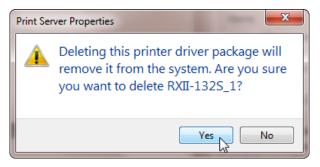
Step 4 Select the model and click on "Remove".

Print Server Properties	-		x
Forms Ports Drivers Securi	ty Advanced		
MARKET-EILEENC	2		
Name	Processor	Туре	^
Adobe PDF Converter	x86	Type 3 - User Mode	
Bullzip PDF Printer	хб4	Type 3 - User Mode	
Bullzip PDF Printer	x86	Type 3 - User Mode	
Graphtec CE6000	x86	Type 3 - User Mode	
HP Color LaserJet 2800 S	x86	Type 3 - User Mode	-
i-Craft	x86	Type 3 - User Mode	E
Microsoft enhanced Poi	x86	Type 3 - User Mode	
Microsoft XPS Documen	x86	Type 3 - User Mode	
MUTOH_VC-1300	x86	Type 3 - User Mode	
RXII-101S	x86	Type 3 - User Mode	
RXII-132S	x86	Type 3 - User Mode	
RXII-1325_1	x86	Type 3 - User Mode	-
			_
Add	Remove	Properties	
😵 Change Driver Settin	gs		
	0	Cancel Ap	oply

Step 5 Select "Remove driver and driver package" and click OK.

Remove Driver And Package				
Do you want to remove the driver(s) only, or remove the driver(s) and driver package(s) from your system?				
🔘 Remove driver only.				
Remove driver and driver package				
OK Cancel				

Step 6 Click Yes and then click "Delete" and "OK," and the driver installed on PC is completely removed.





Remove Driver Package	Remove Driver Package
Driver package information collected.	Driver package deleted.
The following driver(s) will be deleted:	Driver RXII-132S_1 was removed.
Delete	Delete OK

2.8.2 RS-232 Interface

- Connecting to the RS-232 (Serial) Port
- 1. For IBM PC, PS/2 users or compatibles, connect the RS-232C cable to the serial connector of the assigned serial port (COM1 or COM2) of your host computer.
- 2. Set up the communication parameters (Baud Rate and Data Bits/Parity) to match the setting of software package, refer to chapter 3 "MISC" key description.

Caution!! Please turn off the plotter before plugging the RS-232C cable.

2.8.3 Ethernet Connection

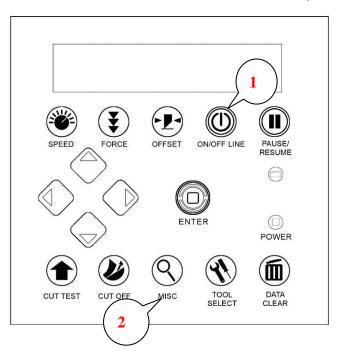
I. Networking Connectivity Setup

Step 1 Connect the LAN port and Ethernet port on GCC cutting plotter with RJ45 Ethernet cable, and turn on the machine.





Step 2 Press On/Off line and then MISC button on your control panel.



Step 3 Go to the DHCP page and select Enable through the up and down arrow keys, then press Enter.

DHCP Select: 4> Ok:ENTER	Enabled Change: AT Ok: ENTER
	A CONTRACTOR OF A CONT

Step 4 The IP Address will be shown on the screen automatically. Please make notes of it.



II. Ethernet Connectivity Setup

There are two ways to output your plot through Ethernet. If you output your plot through GreatCut, please follow the instruction **I. Output through GreatCut**; if you output your plot through Adobe Illustrator or CoreIDRAW, please follow the instruction **II. Output through the Ethernet Driver.**

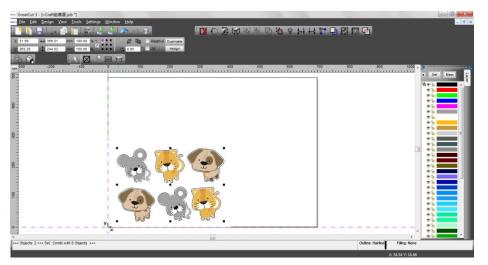


I. Output through GreatCut

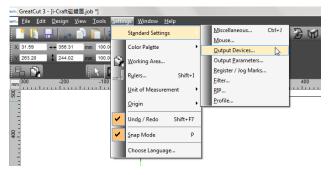
GreatCut is a plug-in for CoreIDRAW and Illustrator. (GreatCut installation please refer to chapter **2.9.1**)

Instruction of Ethernet settings for GreatCut

Step 1 Open GreatCut and create a new file and cutting line.



Step 2 Go to Output Devices under Settings.





Run as Plot Server (19) GCC Device Types:	x: 3X-101S Puma SP 60 RX-101S N
GCC RX-101S GCC F GCC RX-101S GCC F GCC RX-101S GCC GCC Device Types: GCC GCC	Puma SP 60
Run as Plot Server (19) GCC Device Types: GCC GCC	Puma SP 60 ^
Device Types:	
Device Types: GCC	DV 1010
	NA-1013
	RX-132S
GCC	RX-183S
COM/ COM/ COM/	RX-61
GCC	Sable SB-60
USB / FireWire Devices: GCC	SignPal LYNX S-132S 🚽
USB/ FireWire	
TCP / IP:	
TCP/IP 192.167.10	01 . 170 Port: 9100 -
Spooler:	
Spooler () ??? OneNote 2010	J



Step 4 Input the IP address you had acquired from the control panel to the TCP/IP. Click OK to complete settings.

Setup Device	Setup - Output Devices
Common: Device name Driver:	Current Output Device GCC RX-101S
GCC RX-101S GCC RX-101S GCC RX-101S GCC RX-101S Covice Types: Local Ports: COM/ GCC RX-101S Covice Types: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Type: Covice Ty	Driver: GCC RX-61 File: C:\Program Files\GCC\GreatCut 3\cutter\GccRX.ECD Port: 192.167.101.170 Mode: Cut Materiat Foil
USB / FireWire Devices: USB / FireWire Devices: USB / FireWire © TCP / IP:	Default Settings Default Settings Keep reference point Veed border: 2.00 mm Wait after segment Overlap: 0.00 mm Sort before output Copies spacing: 0.00 mm Plot to file Segment spacing: 0.00 mm
TCP / IP	Read out automatically Stack spacing: 0.00 mm
Spooler: Spooler () ??? OneNote 2010	Output only tool-assigned layers No toollips Enable output for objects larger than page size
OK Cancel	OK Cancel Apply

Step 5 Go to Output under File to check the settings.

☞☞ GreatCut 3 - [i-Craft磁鐵圖.job *]		ce GCC RX-1015		8 ×
Image: Setting transmission Line transmission <thline th="" transmission<=""> Line transmission<!--</th--><th></th><th>evice (GCC RV-1015 - Node Cut - hoffer (Foil - Manage Profiles</th><th>Number of outputs: 1 Number of copies: 0 Stack spacing: 200 mm Viveed border: 200 mm Copies spacing: 000 mm Segment spacing: 000 mm</th><th>Plot to file Enable tool tips</th></thline>		evice (GCC RV-1015 - Node Cut - hoffer (Foil - Manage Profiles	Number of outputs: 1 Number of copies: 0 Stack spacing: 200 mm Viveed border: 200 mm Copies spacing: 000 mm Segment spacing: 000 mm	Plot to file Enable tool tips
mm	0 100 Parameter Pressure (g Speed (orm) Literature (L Autor Literature) Literature (L Autor Li	a) Bh (mm) I	Value 80 108 30000.00 Off 5 1	
8 Quit Ctrl+Q		Preview	Read material	Accuracy Hormai Origit: New origin Objects: At objects: Test drive Cancel

Complete the driver installation process and your GCC Cutting Plotter is now allowed to network.

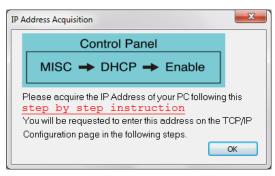
Note: If you want to add new local device, please go to Output Devices under Settings, and press the button on the right of Current Output Device and select Add local device (if the device has been installed but you wanted to output through another device, please select Change to set the IP address of another device).

Setup - Output Devices			? <mark>x</mark>		
Current Output Device					
GCC RX-101S			-	Add local device	
Driver: GCC RX-61				Connect to Plot Manager	
File: C:\Program Files\GCC\Great	tCut 3\cutter\GccRX.ECD			Change	
Port: 192.168.101.170				Delete	
Mode: Cut			•		
Material: Foil			•		
Default Settings					
Keep reference point	Weed border:	2.00	mm		
Wait after segment	Overlap:	0.00	mm		
Sort before output	Copies spacing:	0.00	mm		
Plot to file	Segment spacing:	0.00	mm		
Read out automatically	Stack spacing:	0.00	mm		
Output only tool-assigned layers	No tooltips				
Enable output for objects larger the	an page size				
ОКС	ancel	Apply			

II. Output through Ethernet Driver

GCC.

Step 1 Connect Ethernet cable to PC and install Cutter Ethernet driver. Then click OK to continue.



Step 2 Enter the IP Address shown on the control panel and select the model. (Please refer part 1 instruction.)

on				×
ws you to co	nfigure your	TCP/IP p	ort.	
192	168	. 1	.[153
RXII-132S		•		
		Save		Cancel
	192	ows you to configure your	ows you to configure your TCP/IP p 192 168 1 RXII-1325	ows you to configure your TCP/IP port.



Step 3 The driver is installed. You can output from AI or CorelDRAW directly now.



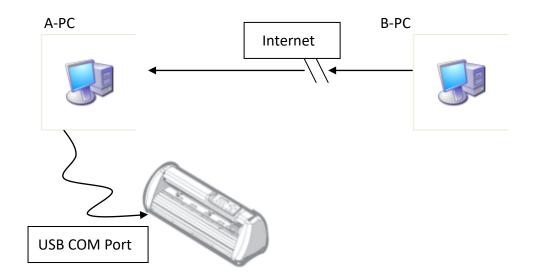
2.8.4 Data Transmitting

There are two options to transmit the data from the computer to the cutting plotter:

- **Option 1:** With proper interface settings, the data can be transmitted from your application software package to the cutting plotters directly.
- **Option 2:** Most cutting software packages are able to emulate **HP-GL** or **HP-GL/2** commands. As long as the file is **HP-GL** or **HP-GL/2** format, the cutting plotter can output the data precisely.

2.8.5 Printer Sever Shared Setting

In "A-PC", set the printer driver as a shared printer, then use B-PC to connect A-PC's printer driver via internet.

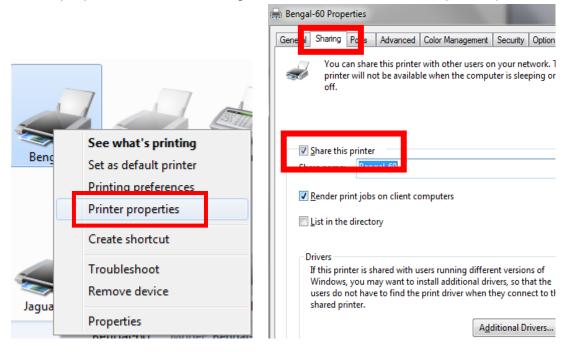






Step 1

Please set A-PC's printer driver to shared printer. (Right-click on printer icon, choose "Printer properties". Click "Sharing" tab then check "Share this printer")



Step 2

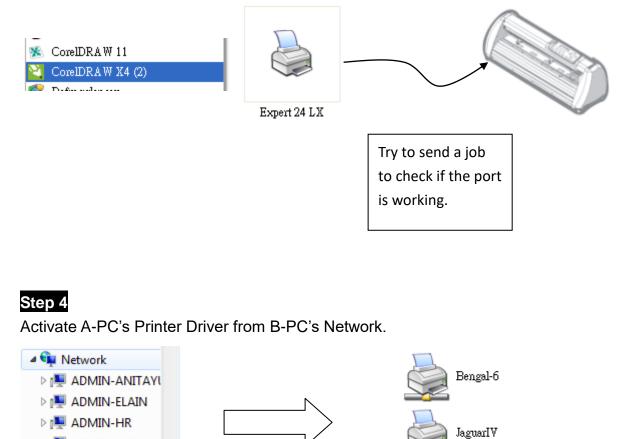
Click "Advanced" tab, then choose "Print directly to the printer" option.

🖶 Bengal-60 Properties				×		
General Sharing Ports	Advanced	Color Management	Security Option	Paper		
Always available A						
Available from	12:00 AM	To	12:00 AM	× v		
Priorit <u>y</u> : 1	* *					
Dri <u>v</u> er: Bengal-	50		▼ Ne <u>w</u> Dri	iver		
 Start printing after last page is spooled 						
Start printing in	Start printing immediately					
Print directly to the printer						
Hold mismatched documents						
Print spooled documents first						
 Keep printed documents Enable advanced printing features 						



Step 3

Send a job to the machine to check if A-PC is connected to the machine.



Step 5

▷ I ADMIN-JULIA
 ▷ I ALBERTTHINK
 ▷ I CBA030003
 ▷ I CBA050033
 ▷ I CBA080019

.....

Right-click on the printer icon, and select "Connect" to connect A-PC's printer.







2.9 Software Installation

2.9.1 GreatCut Installation

Step 1 Click GreatCut Registration in installation DVD to go

<u>http://gccvoucher.eurosystems.lu/</u>, and then enter your voucher code provided when purchasing GreatCut and click "Go on!"



Step 2 Click "Request" to go to registration page.



Step 3 Fill in the required information and click "Request license code."

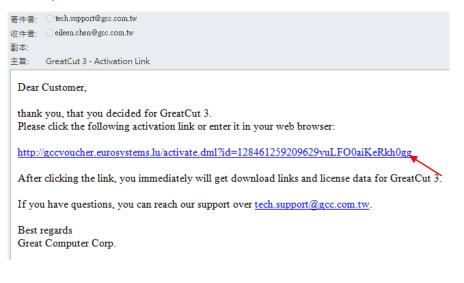


Software Dowr	nload GreatCut 3
Great Gu Software Registra	
Last name, first name:	Eileen , Chen Required fields
Company:	Would you please use Latin resp. West-European characters! GCC
Street:	4F-1, No. 236, Fude 2nd Rd., Xizhi Dist.
PO box:	
City:	New Taipei City
State/Prov.:	(only US and Canada)
Zip (postcode):	22151
Country:	Taiwan 🔻 👢
Phone:	886266166692
Fax:	
eMail address:	eileen.chen@gcc.com.tw
· · · ·	Important: Pay attention to enter your eMail address correctly, because license code is sent to this address!
	Request license code 🔫

Step 4 The registration is completed; you should receive two emails, one is registration confirmation with activation link and another is your license data with .ecf file.



Step 5 Check your email to see if you receive the activation link and click the link that will direct you the link for GreatCut download.





Step 6 Or click "Install GreatCut" in installation DVD.

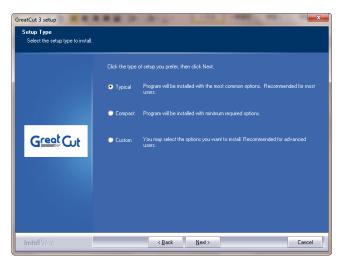


Step 7 Select a destination folder.

	Setup will install GreatCut 3 in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Great Cut	- Destination Folder
Instal Shield	CNProgram Files/GCCLGreatCut 3 Browse

Step 8 Select Typical and click Next.

Note: You may select custom setup to install additional drivers.





Step 9 Select the folder and click Next.

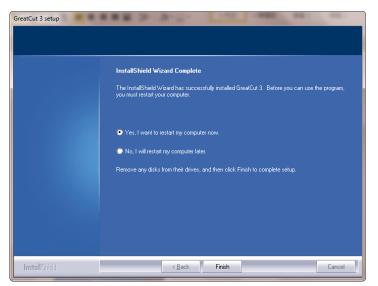
Default program folder in the start menu is GCC\GreatCut 3.



Step 10 GreatCut is installing.

GreatCut 3 setup	
Setup Status	
	The InstallShieldR Wizard is installing GreatCut 3
Great	
GreakOut	
InstallShield	Cancel

Step 11 Click Finish to complete installation.





Step 12 Before you launch GreatCut, open the .ecf attached to the license data email to install your license data to GreatCut so that you don't need to fill in your information again.

寄件者: □RCS-ONLINE <direc 收件者: □eileen.chen@gcc.com 副本:</direc 	tdownload @eurosystems.lu> .tw			
≞⊶⊶. 主旨: GreatCut 3 - Receipt	and License code			
🖂 訊息 📄 GC16P-1867.ecf	(273 B)			
GCC Gr	Cut			
1. Please print this eMa	il.			
2. License data for Gre	eatCut 3			
The following license co use.	de will be activated by copying or saving	g the attr	Live Update:	x
For a possibly necessary	manual input, here the license data (gree	n) again		
Company / Name:	GCC		License installed success	sfully.
eMail:	eileen.chen@gcc.com.tw			
Code:	GC16P	3		
Number of Licenses:	1			ОК
Serial No.:	GC16P-1867			

Step 13 If the license do not install successfully, you will need to fill in your license data manually. You can find the details of your license data from the email.

License data:			
	Note: Please fill out the fields of the license data exactly as received it.	as you	
	Company / name: [GCC eMail: Reina lee@gcc.com.tw Code: [KGCC-KXXXX-XXXXX-XXXXX-XXXXX System information PIN:]3066223328-0-9-1-57-MARKET-KEIRA2	Cencel	
寄件者: RCS-ONLINE <dired< th=""><th>tlownload @eurosystems.lu></th><th>寄件日期: 2015</th><th>12/25 (i</th></dired<>	tlownload @eurosystems.lu>	寄件日期: 2015	12/25 (i
町中省: □eileen.chen@gcc.com			/2/2J (1
副本: 主旨: GreatCut 3 - Receipt			
王首. GreatCut S - Receipt			
	ode will be activated by copying or saving the att automatic and GreatCut 3 is ready to use.	attached file to the computer and starting it via double click. Th	us the
For a possibly necessary	manual input, here the license data (green) again	ain in plain text:	
Company / Name:	GCC	1	
eMail:	eileen.chen@gcc.com.tw		
Code:	GC16P-J		
Number of Licenses:	1	T	
Serial No.:	GC16P-1867		

GCC.



Step 14 GreatCut is ready to use now.



2.9.2 Sure Cuts A Lot Installation (Optional Item)

2.9.2.1 Auto Installation

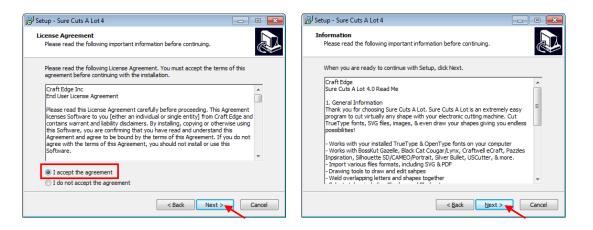
- Step 1 Put your installation DVD into your CD-ROM to start the installation. The software is compatible with Windows 7 and above and Macintosh OSX 10.6 and above.
- Step 2 Select "Install Sure Cuts A Lot" to start the installation.

Step 3 Press Next to continue.

🔁 Setup - Sure Cuts A Lot 4	
	Welcome to the Sure Cuts A Lot 4 Setup Wizard
Outs	This will install Sure Cuts A Lot Pro 4.005 on your computer.
Surector	It is recommended that you dose all other applications before continuing.
ALOCO	Click Next to continue, or Cancel to exit Setup.
	Next > Cancel

Step 4 Select "I accept the agreement" and press "Next."





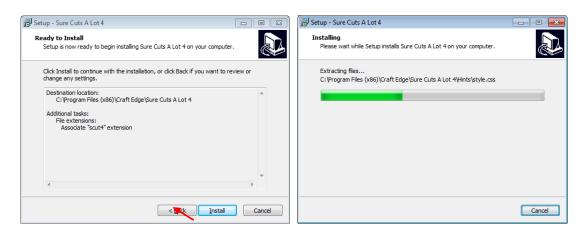
Step 5 Use the default folder (suggested) or select a folder you want to install the Sure Cuts A Lot and press "Next."

15 Setup - Sure Cuts A Lot 4	- • •
Select Destination Location Where should Sure Cuts A Lot 4 be installed?	
Setup will install Sure Cuts A Lot 4 into the following folder.	
To continue, click Next. If you would like to select a different folder, cli	ck Browse.
C:\Program Files (x86)\Craft Edge\Sure Cuts A Lot 4	Browse
At least 50.9 MB of free disk space is required.	
< Back Next >	Cancel

Step 6 Tick "Create a desktop icon" if you want to create a shortcut on your desktop, and tick "Associated scut4 extension" to associate the scut4 extension file with Sure Cuts A Lot software. Then press "Next" to start the installation.

Setup - Sure Cuts A Lot 4	- • •
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while installing Lot 4, then click Next.	g Sure Cuts A
Additional icons:	
Create a desktop icon	
File extensions:	
✓ Associate "scut4" extension	
< Back	Cancel





Step 7 Don't tick "Install USB Driver" and tick "Launch Sure Cuts A Lot," and then press "Finish" to compete installation.

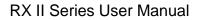
🔁 Setup - Sure Cuts A Lot 4	
Sure Cuts	Completing the Sure Cuts A Lot 4 Setup Mizard Setup has finished installing Sure Cuts A Lot 4 on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup. Install USB Driver I Install USB Driver Launch Sure Cuts A Lot
	Finish

Step 8 Run Sure Cuts A Lot.

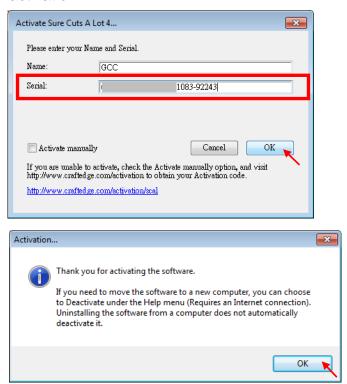


Step 9 Press "Activate..."to activate Sure Cuts A Lot. Please make sure it is connected to the internet.

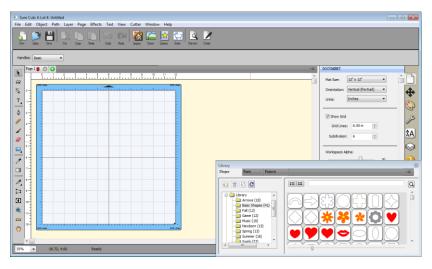
Sure Cuts A Lot 4 Demo Mode
"Sure Cuts A Lot 4" will run in Demo Mode until the software is activated with a purchased License key.
In Demo Mode:
- The software will cut horizontal lines through your design as a DEMO watermark.
 You can browse and purchase designs from the eshape Store, but will not be able to download to use them.
You can purchase a license at http://www.crafted.ge.com/purchase/scal
Purchase License OK OK



Step 10 Put your name in the Name column and enter the 25-letter software key shown on the DVD front cover to the Serial column and press "OK" to complete the activation.



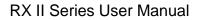
Step 11 Sure Cuts A Lot is ready to use.



Note

GCC

✓ If you use a trial version to output graphics, meaning you do not enter the software key to activate the Sure Cuts A Lot mentioned above, there will be two extra lines cut through the design, therefore, make sure the Sure Cuts A Lot software is activated before implementing cutting jobs.





2.9.2.2 Manually Activate Software

If the computer connected to cutter doesn't have internet connection to accomplish above software activation process, you can use "Activate manually" function alternatively to enter the "Activation Code" to start the usage of Sure Cuts A Lot. Meanwhile, you need to find another computer that has internet access to obtain the "Activation Code" in advance following below instructions.

Step 1 Check the "Activate manually" checkbox and you should see the Site Code and Activation Code fields appear. The Site Code field will be pre-filled in and cannot be changed.

Activate Sure Cuts A	Lot 4	×
Please enter your Na	me, Serial and Activation Code.	
Name:	k	
Serial:	69212-01482-69910-41083-92243	
Site Code:	62920-43822-24190-41812	
Activation Code:		
🔽 Activate manuall	V Cancel OK	
	activate, check the Activate manually option, and visit .com/activation to obtain your Activation code.	
http://www.crafted.ge	.com/activation/scal	

Step 2 Visit <u>http://www.craftedge.com/activation/surecutsalot</u> via an internet connected computer. Enter your name, serial (software key, shows on the DVD cover) and site code.

Step 3 Click on the "Generate Activation Code" button, and your activation code will be shown in the Activation Code field.



	ou only need to do the following if you are having trouble activating from Cuts A Lot" or do not have an Internet connection on the computer you are rate on.
need to choo serial number	vate in order to use the full version of the software. Generally, you will just se Activate from the Help menu in Sure Cuts A Lot and enter your name and r. The software will try to activate automatically and you can disregard this o not use this web page if you have not installed the software yet or have no
	e About box in Sure Cuts A Lot and it shows your name and serial number, is activated ok.
an Activation confirmation "Activate" a	roblems activating automatically, you must use this web page and generate Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option.
an Activation confirmation "Activate" a	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option.
an Activation confirmation	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option.
an Activation confirmation "Activate" a Name:	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option. k Please enter your full name
an Activation confirmation "Activate" a Name:	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option. k Please enter your full name 71184-04510- Must enter with the dashes (example: 12345-12345-12345-12345-
an Activation confirmation "Activate" a Name: Serial: Site Code:	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option. k Please enter your full name 71184-04510- Must enter with the dashes (example: 12345-12345-12345-12345- 12345) xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
an Activation confirmation "Activate" an Name: Serial:	Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing nd checking the "Activate Manually" option. k Please enter your full name 71184-04510- Must enter with the dashes (example: 12345-12345-12345-12345- 12345) xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Step 4 Copy and paste the activation code back into the activation dialog box of Sure Cuts A Lot program and hit ok.



2.9.2.3 Re-install Sure Cuts A Lot Software

If you change a new computer, you may need to deactivate your Sure Cuts A Lot software and re-install it on your new device.

Go to "Deactivate..." under Help and press Yes to confirm, then follow the installation procedure and use **the same code** to activate it on another computer.

File Edit Object Path Layer Page Effects Text View Cutter Window Help New Open Save Cor Cory Pase Cor Cory Pase Cory Cory Pase Cory Cory Pase Cory Cory Cory Pase Cory Cory Pase Cory Cory Pase Cory
New Open Save Cot Copy Pase Undo Redo Import Trace Import Help F1 Handles: Basic Import Trace Import Impor
Handles: Basic Install Driver Page 1 Page 1 Pag
Provention Install Driver Image: 1 model Image: 1 model
Image: Constraint of the second se
Register Product
The contraction of the contracti

🔀 Deactiv	rate	- 23
<u>^</u>	Are you sure you want to deactivate the software? Deactivating will allow you to re-install on a different computer (Requires an Internet connection)	
	Yes No	



2.10 Auto Cut-off system Installation

Step 1 Unscrew the Cover from the Tool Carriage using a screw driver (Figure 2-31 and 2-32).

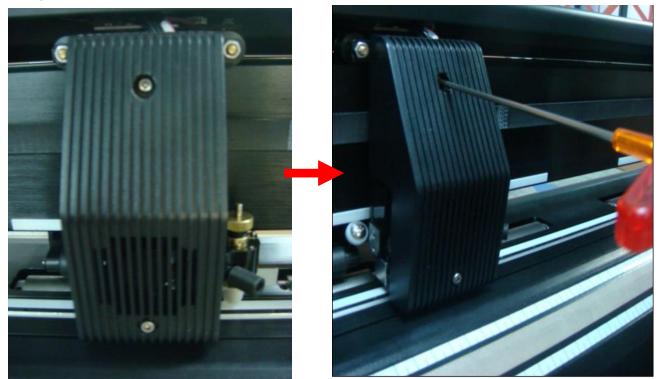


Figure 2-31

Figure 2-32

Step 2 Manually disassemble the Cover, which will still be connected to the Tool Carriage through wires (Figure 2-33 and 2-34).



Figure 2-33

Figure 2-34



Step 3 Disconnect the black and red wires between the Cover and the Tool Carriage from the white Wire Joint and the Cover will be removed completely (Figure 2-35 and 2-36).
Note: Please disconnect the wires at the white Wire Joint with care as the fans will not be working if these wires are split elsewhere.

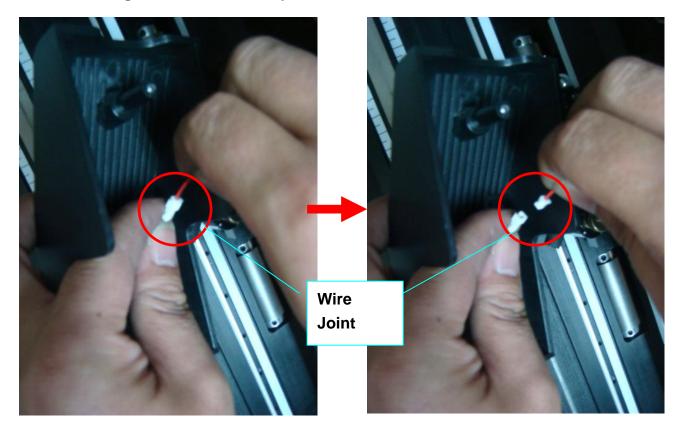


Figure 2-35

Figure 2-36

Step 4 Remove the screw on the left of the Cut-off Unit manually (Figure 2-37 and 2-38).

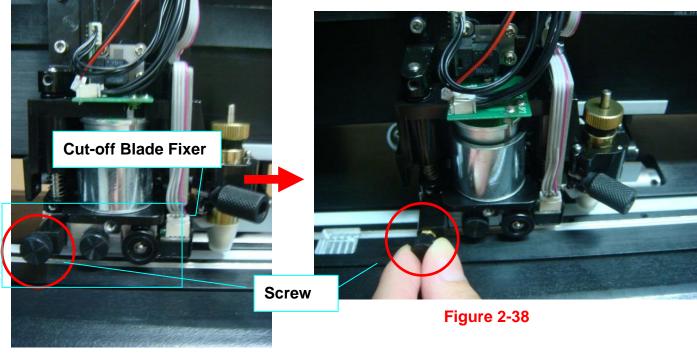
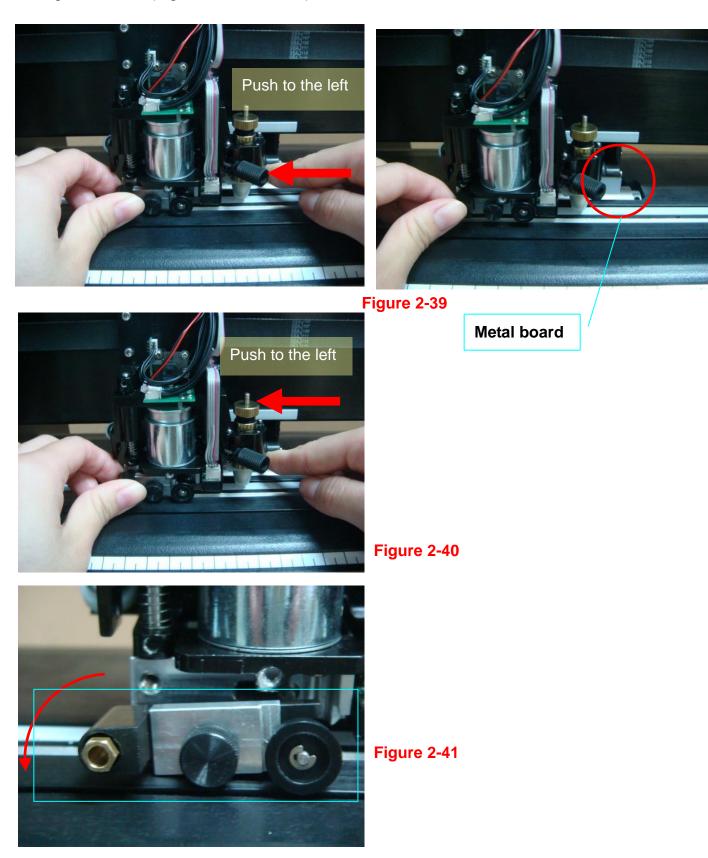


Figure 2-37



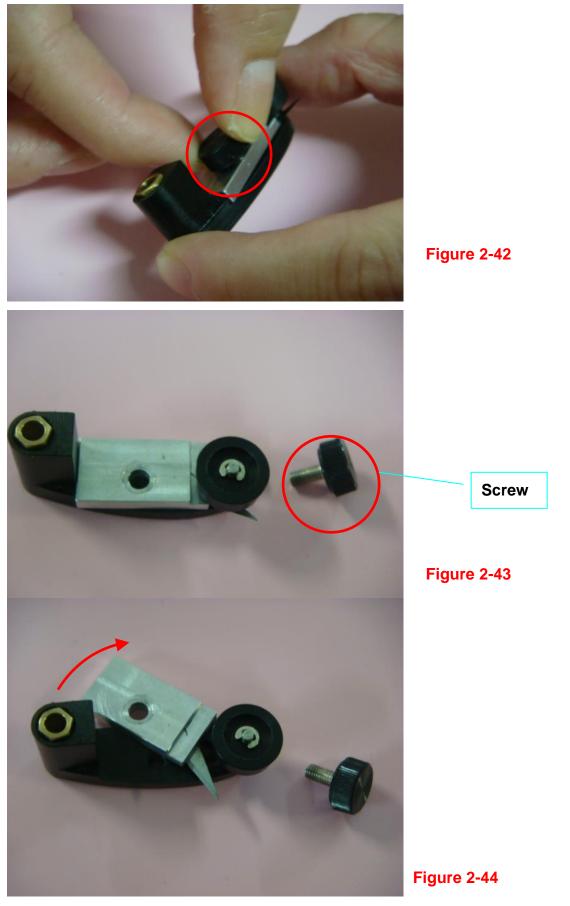
Step 5 Remove the entire Cut-off Unit by holding it while pushing the tiny metal board on the right to the left (Figure 2-39 and 2-40).



The Cut-off Unit will drop automatically once the board is pushed to the left (Figure 2-41).



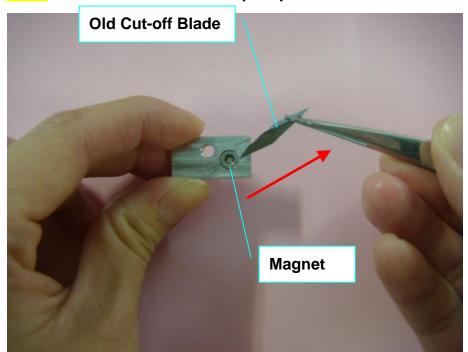
Step 6 Remove the screw from the Cut-off Unit (Figure 2-42 and 2-43) and disassemble the Cut-off Blade Fixer by pulling it up vertically (Figure 2-44).



Installation

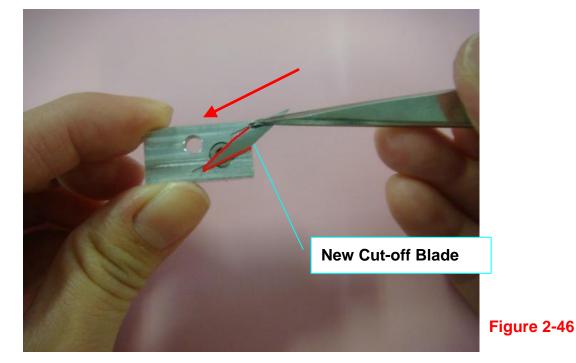


Step 7 Unscrew the Cut-off Blade from the Cut-off Blade Fixer, which will be attracted by the magnet on it, and replace it with a new Cut-off Blade along the track highlighted in red using tweezers (Figure 2-45 and 2-46).



Note: The Cut-off Blade is sharp so please handle with care.







Step 8 Assemble the Cut-off Blade Fixer back to the Cut-off Unit by pushing the Holder downwards (Figure 2-47 and 2-48) and attach the screw (Figure 2-49).

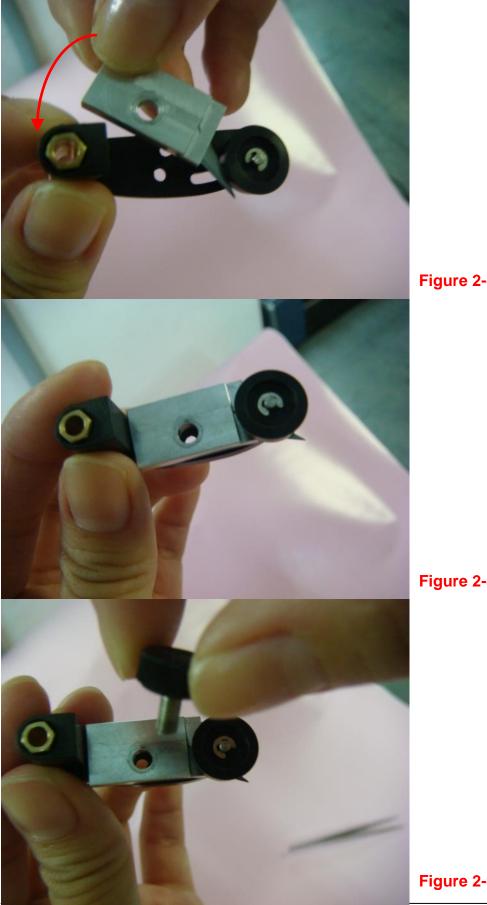


Figure 2-47

Figure 2-48

Figure 2-49



Step 9 Assemble the Cut-off Unit back to the Tool Carriage by pushing the metal board on the right while pushing the Cut-off Unit upwards (Figure 2-50 and 2-51) and attaching the screw (Figure 2-52).

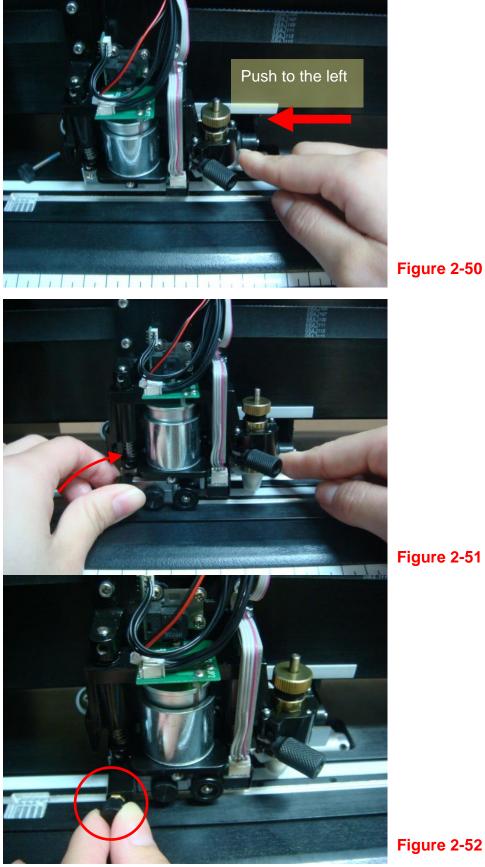
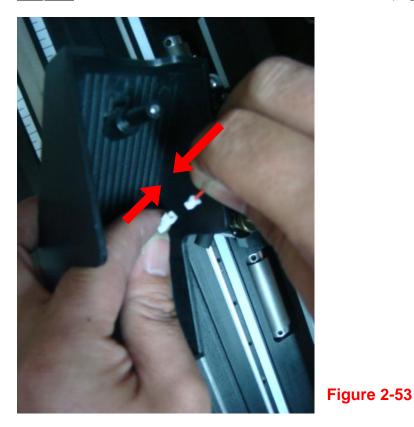


Figure 2-50

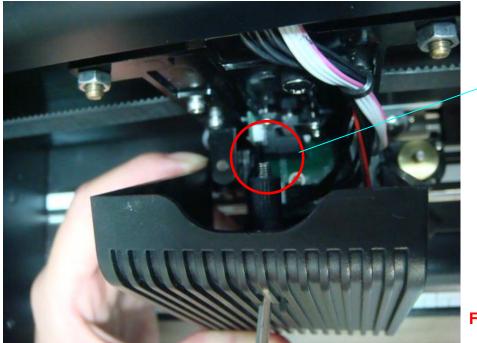
Installation



Step 10 Reconnect the wires at the white Wire Joint (Figure 2-53).



Step 11 Assemble the Tool Carriage Cover back to the Tool Carriage; please locate the end of the screw to the hole on the carriage before tightening the screw (Figure 2-54).



End of Screw

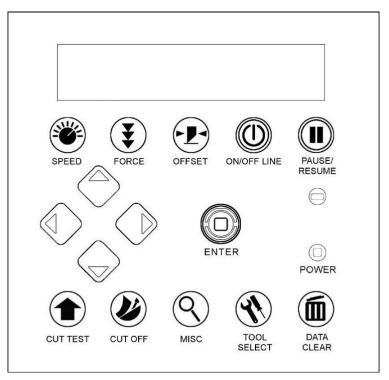
Figure 2-54



This chapter describes the button operations with the LCM menu flowcharts of RX II series. When the cutting plotter is ready for use as described in Chapter 1 & 2, all functions are under default parameters.

3.1 The Touch Key Panel

GCC



< Touch Key Panel on RX II series >

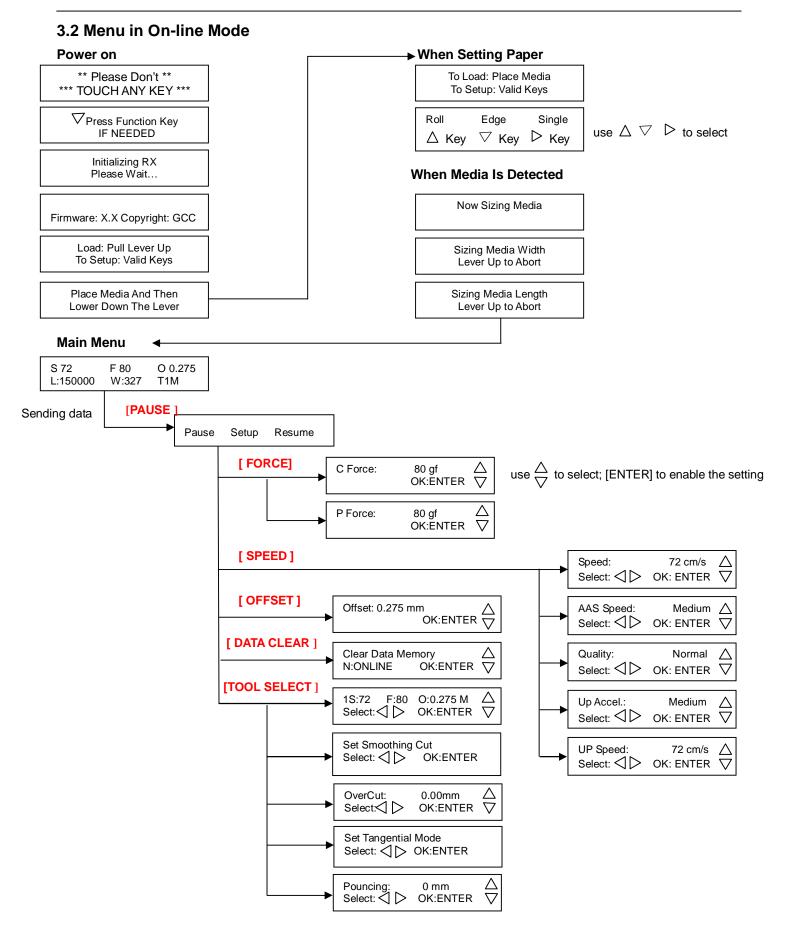
Кеу	Function		
LCD Screen	To display functions and error messages.		
Power LED	To indicate the power status (light up: power on; light off: power off)		
4 Arrow Keys	To move position, select function, or change setting.		
ENTER	To set item or register the immediately preceding input value.		
PAUSE/RESUME	To temporarily halt cutting process or to continue		
ON/OFF LINE	To switch modes, stop cutting job, or abort changes of settings.		
OFFSET	To adjust the value of blade's offset.		
FORCE	To adjust the value of cutting force.		
SPEED	To adjust the value of cutting speed and quality.		



CUT TEST	To perform cutting test on different media.
CUT OFF	To cut off the material when the job is completed.
MISC	To set up functions.
TOOL SELECT	To select tools.
DATA CLEAR	To clear up internal memory.

Please see details in "3.4 Menu Items"

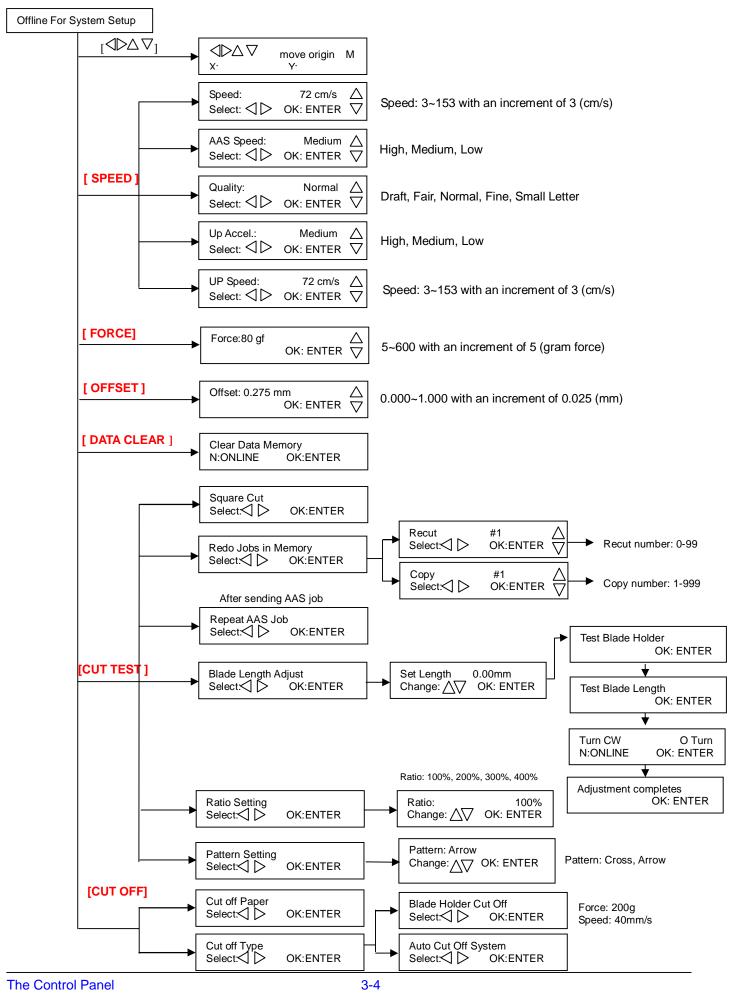




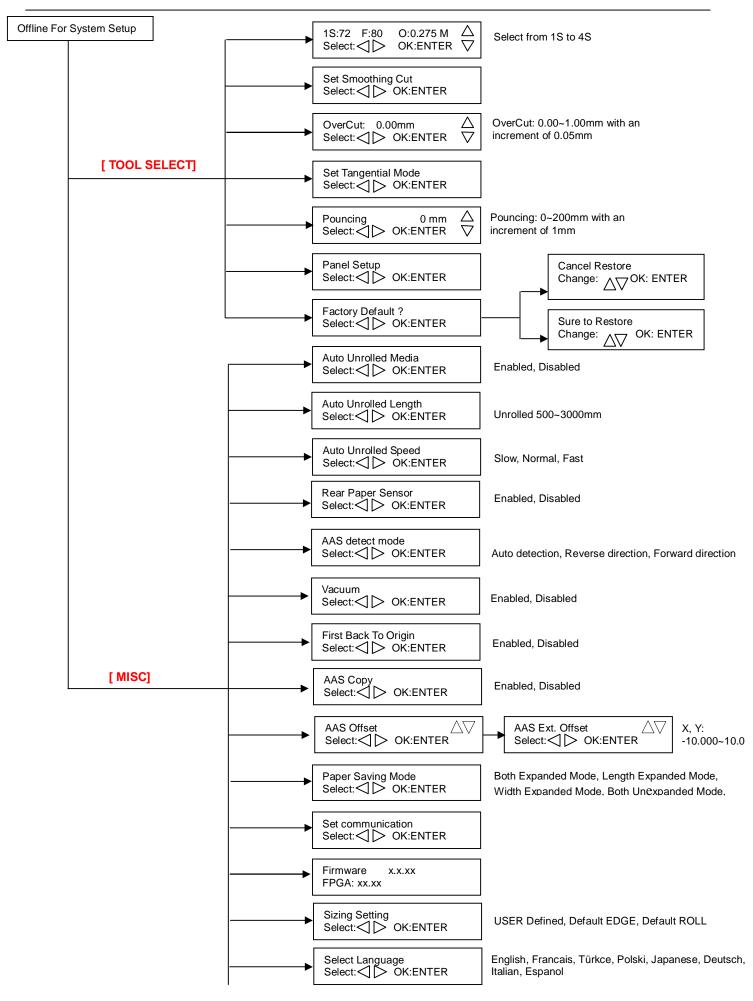
The Control Panel



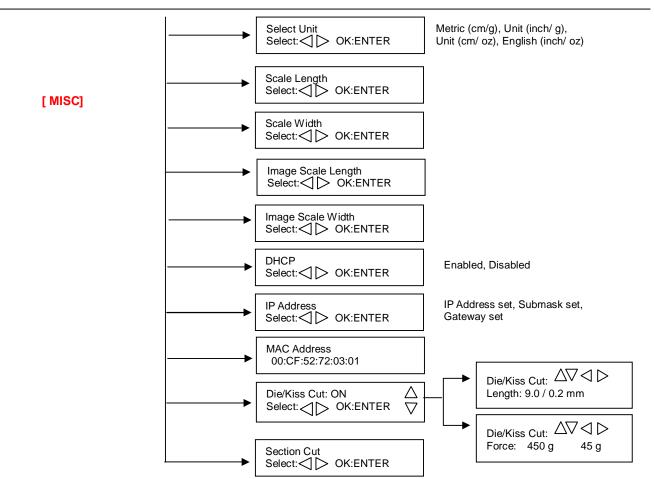
3.3 Menu in Off-line Mode











3.4 Menu Items

Below describes the functions of menu items

Menu or Key	Function	Setting	Default
	Media sizing	•	
Roll	To measure media width.	Maximum Media Length 150M	
Edge	To measure media width and pull the media back till the front paper sensor open.	Maximum Media Length 150M	
Single	To measure media width and length.	Maximum Media Length 10M	
	POWER		
	To indicate the power status.		
	[Arrow Keys]	·	
	 To move the tool carriage position on X or Y axis. To select functions or change values of settings. 		
	[ENTER]		
	 The displayed parameters will be saved automatically. To set a new origin at the present tool carriage position. In "offline" mode, moving the tool carriage to desired position by [Arrow Keys], then press [ENTER] key to set a new origin. While moving with the parameters of XY-axes displayed, press [MISC] key will enable fine-tune movement; press [MISC] key again to disable the function. 		
	[PAUSE/RESUME]	•	



			0
	To temporarily halt the cutting process. To resume the process by press [Pause/Resume] key again.		
	[ONLINE/OFFLINE]		
	1. To switch between online mode and offline mode.		
	2. To stop the cutting job or abort the change of setting.		
	Once press this key, the cutting job will be terminated		
	immediately and cannot be resumed.		
	[OFFSET]	1	
	To set or modify the distance between the blade tip and the	0.000~1.000mm	0.275mm
	center axis. Through left or right arrow keys, users can select		
	the blade used (Red, Green, Yellow, Blue, Black capped		
	blade or Pen) then adjust the offset values after pressing Enter if necessary		
	[FORCE]		
	To set or modify the value of tool force.	5~600gram;	80 gram
	When the cutting force exceeds 450g, the maximum cutting	5 gram/per step	es grann
	speed would be 15 cm/sec and the cutting quality would be	gran, por otop	
	Small Letter Mode and while the cutting force is 300g-449g,		
	the maximum cutting speed would be 30 cm/sec and the		
	cutting quality would be Fine Mode.		
	[SPEED]		
Speed	To set or modify tool speed at horizontal moving.	3~153cm/sec;	72cm/sec
	When the cutting speed exceeds 72 cm/sec, the cutting	3cm/sec per step	
	quality would be Normal Mode.		
AAS Speed	To set or modify AAS detecting speed.	High, Medium, Low	Medium
Quality	To set or modify cutting quality (acceleration).	Draft, Fair,	Normal
	Draft (4.2G), Fair (2.8G), Normal (1.4G), Fine (0.7G),	Normal, Fine,	
	Small Letter (0.2G).	Small Letter	
	While cutting small letter, set as "Small letter".		
	While cutting in high speed, set as "Draft".		
	For normal operation, set as "Normal".		
Up Accel.	To set or modify tool acceleration at vertical moving.	High, Medium, Low	Medium
Up Speed	To set or modify tool speed at vertical moving.	3~153cm/sec;	72cm/sec
		3cm/sec per step	
	[CUT TEST]	1	
Square Cut	To perform a cutting test at present blade position.		
	For more information, please refer to "4.3 Adjusting the		
	Cutting Force and Offset" to adjust blade force and cutting		
Redo Jobs in	speed. To redo the cut test jobs saved in memory by recutting or	Recut (number of	Recut
Memory	producing cut test copies	jobs: 1-99)	Recut
		Copy (number of	
		jobs: 1-999)	
Repeat AAS	To repeat AAS jobs automatically without having to operate		
•	on the computer side.		
Job	Please be noted that this feature is mainly applied to the		
	Single paper mode; please ensure a new piece of material		
	you wish to apply this feature on is loaded and the origin		
	repositioned to the first registration mark before starting.		
	When the first AAS job repeat completes, the user will be		
	offered the choice of "Repeat AAS Job Again", please		
	press "Online/Offline" to return to the main menu.		



-	To adjust the length of the blade Note:	0.00mm-5.00mm	0.00mm
	 Note: Keep your blade length as 0 before you start adjusting. Test the blade holder first and then test the blade length by pressing ENTER. Keep the blade holder at the same position when you perform blade holder and blade length tests. When blade holder and blade length tests are finished, the screen will show you to what degree (the unit of the value following "CW" or "CCW" is "circle") and in which direction [CW (clockwise) or CCW (counterclockwise)] you should turn the adjustment knob. EG, Turn CW 0.5 is telling you that you should turn the knob for half a circle clockwisely. The value on the screen will be 0.0 when the blade length is perfect and perfect and perfect and perfect. 		
	is perfect and no more adjustment needs to be made. You will be prompted with the message below: Adjustment completes and you may start cutting at this point.		
Ratio Setting	To adjust the size of the pattern.	100%, 200%, 300%, 400%	100%
_	To provide two patterns for cut test Note: It is recommended to select "Cross" if you are working on thick pieces of materials.	"Arrow" and "Cross" patterns	"Arrow"
	[DATA CLEAR]		
	To clear up buffer memory.		
	[TOOL SELECT]		
Save Parameter	To save pattern(s) of cutting parameters for later use. There are 4 sets of parameters saved in the panel. Use Page Up and Page Down keys to select the set of parameters you wish to adjust, press "Enter" to confirm (the number shown on the upper left corner will change accordingly). Each set of parameters includes Speed, Force, Offset, Up Speed, Quality and Scaling though the latter three will not be	Pattern 2: window tint Patterns 3 & 4:	Patterns 3 & 4
	displayed in this section. To adjust or check individual parameters, go back to the responding keys on the panel and press "Enter" to confirm.	default value which could be adjusted if needed	
Set Smoothing Cut	To enable smooth-cutting function.		Enable
Over Cut	To generate an overcut to facilitate weeding.	0.00mm-1.00mm 0.05mm/per step	
Set Tangential Mode	To enable the tangential-cutting mode for thicker media types and small letter cuts. Note: while the Offset value setting at 0.000 mm, "Set Tangential Mode" will automatically be disabled.		Enable
Pouncing	 To make perforated patterns. * In order to use this function, Pouncing tool must be installed. * Before start pouncing, place pouncing strip on top of the cutting pad to protect the cutting pad. * Set the value as 0 mm to disable the pouncing mode. * Pouncing tool is an optional item. 	0~200mm	0mm
Panel Setup	Accept setup command: To accept commands of the Force, Speed, Cutting Quality, and Offset only via software.		Accept setup command



	Control panel only: To accept commands of the Force, Speed, Cutting Quality, and Offset only via control panel of the cutter.		
Factory Default?	P To turn all parameters of the menu items to factory-default settings.		
	[MISC]		
Auto Unrolled Media	 To avoid paper jam and motor crash by automatically unroll media (50cm and up) before cutting while enabled. * Auto-unroll only effects on roll/edge media. * Using Single mode to size media will disable this function automatically. * If the length of the rolled media is less than 2 meters or the weight is light, it is recommended to set this mode disabled. 		Enabled
Auto Unrolled Length	When "auto unrolled media" is enabled, user can adjust the unrolled media length.	500~3000mm	3000mm
Auto Unrolled Speed	To adjust the unrolled media speed.	Slow, Normal, Fast	Normal
Rear Paper Sensor	To detect if the rear paper sensor is covered to determine the following process; when it is enabled, the cutter will detect if the material has covered the rear paper sensor under the Roll and Edge mode; when disabled, the rear paper sensor will not be functioning. Note: Rear paper sensor only functions under "Roll" and "Edge" mode.	Disable	Enable
AAS detect mode	 To recognize the printed sheet media is fed in forward direction or reversed direction by detecting the registration marks. 1. Forward direction: to detect the registration marks in forward media feeding direction 2. Auto detection: to distinguish the media feeding direction automatically by by detecting the registration marks. 3. Reverse direction: to detect the registration marks in reversed media feeding direction 		
Vacuum	To help improve tracking and cutting accuracy by turning on the fans. If you turn off the vacuum system, the fans will remain inactive during cutting or plotting.	Enable, Disable	Enable
First Back to Origin	To enable the carriage back to the previous origin; when "Enable" is selected, the carriage will not go back to the previous origin while the selection of "Disable" allows the carriage to do so.	Enable Disable	Enable
AAS Copy	To enable the AAS copy. When "Enable" is selected, the AAS module will continue to read the registration mark to contour cut. Users can set distance between images and AAS copy times in this function. The range of distance is 0-500mm, and the range of times is 0-1000.	Enable Disable	Enable
AAS Offset/ AAS Ext. Offset	Adjust the offset value under AAS Offset menu when a regular blade holder is installed; adjust the offset value under AAS Ext. Offset menu when an extension holder is installed.		AAS Offset: X:0, Y:0 AAS Ext. Offset: X:8.5, Y:3
Paper Saving Mode	To save media by four different modes:1. Length expanded mode2. Width expanded mode3. Both expanded mode4. Both unexpanded mode		Length expanded mode



Set Communication	To build up the communication between host computer and cutter. Baud Rate is to determine the speed of data transmission. Data Bits refers to the size of one block of data.		
	Parity is used to check if data was revived correctly or not.9600, n, 7, 1, p9600pbs, 7 Bits with NO Parity9600, o, 7, 1, p9600pbs, 7 Bits with ODD Parity9600, o, 7, 1, p9600pbs, 7 Bits with DDD Parity		
	9600, e, 7, 1, p 9600pbs, 7 Bits with EVEN Parity 9600, n, 8, 1, p 9600pbs, 8 Bits with NO Parity 9600, o, 8, 1, p 9600pbs, 8 Bits with ODD Parity 9600, e, 8, 1, p 9600pbs, 8 Bits with EVEN Parity		
	19200, n, 7, 1, p19200pbs, 7 Bits with NO Parity19200, o, 7, 1, p19200pbs, 7 Bits with ODD Parity19200, e, 7, 1, p19200pbs, 7 Bits with EVEN Parity		
Firmura	19200, n, 8, 1, p 19200pbs, 8 Bits with NO Parity 19200, o, 8, 1, p 19200pbs, 8 Bits with ODD Parity 19200, e, 8, 1, p 19200pbs, 8 Bits with EVEN Parity		
Firmware Version	To display the version number of Firmware and FPGA code, varying from model to model		
Sizing Setting	Allows user to set the sizing settings. If set to user defined mode, the user will be asked to select the size setting every time the machine is turned on. If set to Default Edge or Roll, Edge or Roll type sizing will be performed whenever the machine is turned on.	User Defined, Default EDGE, Default ROLL	User Defined
Select Language	To select displayed languages on LCM panel in English, Spanish, Italian, Deutsch, Japanese, Portuguese, Polish, Turkish or French.		English
Select Units	Provide four-unit systems for users convenient.	cm/s; inch/oz; cm/oz; inch/gram	Metric
Scale Length Scale Width	Fixed scaling, for maintenance only.		
Image Scaling Length	To adjust the image scale of media length and width that may cause by the thickness of the media.		
	The Numerator is the ideal length, and the Denominator is the actual length measured from the resultant.		
Image Scaling Width	 For example, cutting a line with 500.0 mm length. The procedure as follows: 1. Press the [LEFT ARROW] to choose the Numerator and select 500.0 mm, 2. Cut the length by sending a graph file, 		
	 Measure the length then use the [RIGHT ARROW] key to choose the Denominator, then Press [UP ARROW /DOWN ARROW] to change the values of the actual length. 		
DHCP	Shows your IP address for TCP/IP Configuration		Disable
IP Address	Shows the IP Address of your cutting plotter.		
MAC Address	Shows the MAC Address of your cutting plotter.		
Die/Kiss Cut	To perform die cut/kiss cut in one cutting line simultaneously by designating the outline to green color RGB 255 and defining the length and force setting on control panel (Please refer to Chapter 4.9 for details).	Length: 0.2 ~9mm Force: 45 g~ 450 g	
Section Cut	To divides the long plot data into sectional output jobs to gain higher cutting quality and increase precision. Users can set the section by registration marks or input the value manually.		



	[CUT OFF]	
Cut off Paper	To cut off the material automatically when the job is completed, you need to use the arrow keys to move the carriage to the position you want to cut off the material and then press the "cut off" button and the auto cut off system will cut-off the material.	
Cut off Type	To perform auto cut-off by auto cut off system or Blade holder	Auto cut off system



Chapter 4 Operation

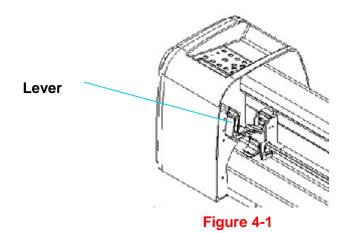
4.1 Media Loading

4.1.1 Loading the Sheet Media

To load the media properly, please follow the procedures listed below:

Step 1

Use the lever on the upper right side of the cutting plotter to raise or lower down pinch rollers. Pull the lever forward until it makes a clicking sound then the pinch rollers are raised (Figure 4-1).

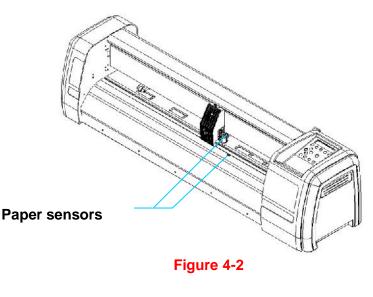


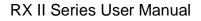
Step 2

Load your media on the platen and slide it under the pinch rollers from either the front side or the backside. The **alignment rulers** on the platen extension will help you to adjust the media precisely.

Note:

Be sure that the media must cover the paper sensors on the platen when loading the media. At least one of the two paper sensors (Figure 4-2) should be covered. Once the media covers the sensor, the cutting plotter will size the media width and length automatically.







Step 3

Then move the pinch rollers manually to the proper position. Be sure the pinch rollers must be positioned above the grid drum. The **white marks** on the top trail will remind you where the grid drums are (Figure 4-3).

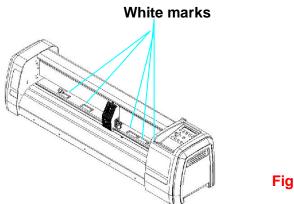


Figure 4-3

Step 4

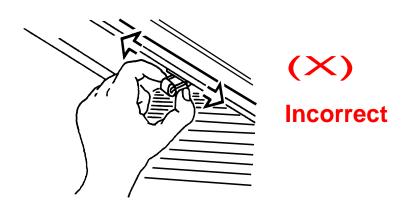
Push the lever backward to lower down the pinch rollers.

Step 5

Turn on the power, the tool carriage will measure the size of the media automatically. And the plotting cutter begins to work.

Note:

- 1. Always adjust the position with the pinch roller raised.
- 2. Move the pinch roller by applying force at the rear portion of the pinch roller support.
- 3. Do not move it by holding its front rubber roller (Figure 4-4).

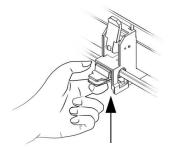






Note:

Please pull up the bottom of all pinch rollers (Figure 4-5) before the lever is pushed backwards to ensure accurate media width detection.



Pull up bottom to release grip



4.1.2 Loading the Roll Media

Step 1

Put the roll media guide bushes on two roll holders (Figure 4-6).

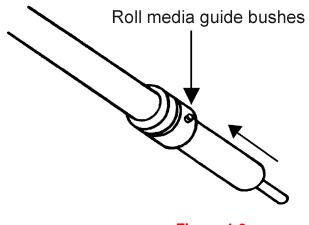


Figure 4-6

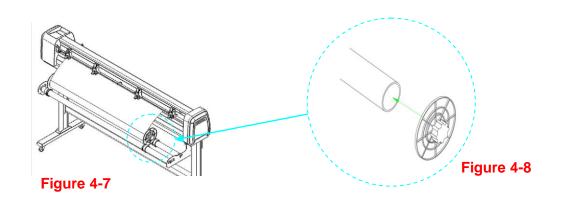


Step 2

-- Option A (Use the media flanges) (Recommended)

Insert a roll media flange at the end of each roll media and tighten the thumbscrew until the roll media is firmly gripped (see Figure 4-7).

Then put the roll media on the roll holders. Adjust the position of the roll media ensure that media flanges are able to run in the grooves of roll holder guide bushes (Figure 4-8)



-- Option B

Insert the two roll holders into the roll media support set then place the roll media directly between the two roll holders (Figure 4-9).

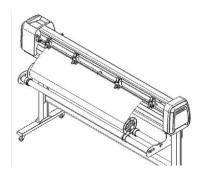
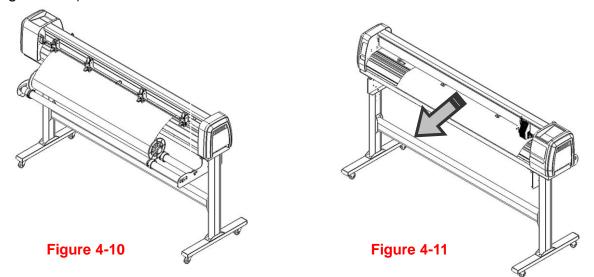


Figure 4-9



Step 3

Load the media on the platen. Please refer to "4.1.1 Loading the sheet media". After loading the roll media, flatten the media on the platen and hold the front edge of the roll media firmly (Figure 4-10).



Step 4

Turn the roll downward to make an equal tension across the media (Figure 4-11)

Step 5

Move the pinch rollers to the appraise location and note that the pinch rollers must be positioned above the grid drums.

Step 6

Push the lever backward to lower down the pinch rollers.

Step 7

Fix roll holder guide bushes on the roll holder to secure the roll media.

Step 8

Turn on the power switch and select Roll, Edge or Single mode appropriate for one time setup, or set to Default Roll in Sizing Setting and Roll type sizing will be performed when the machine is turned on.

Then the cutting plotter is ready to work.

Step 9

Use the reverse steps to remove the media.

Note:

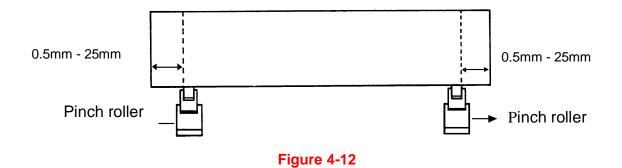
Make sure that the media tension is equally distributed from left to right. If the media were not tightened enough against the platen, it would cause tracking problems!



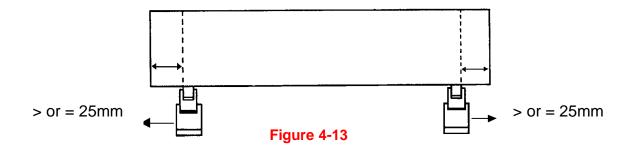
4.2 Tracking Performance

In order to achieve the best tracking performance for a long plot, we recommend some significant media loading procedures described as follows:

If the media length is less than 4 meters, leave the margin of 0.5mm—25mm in the left and right edges of the media (Figure 4-12).



If the media length is greater than 4 meters, leave at least 25mm margin on the left and right edges of the media (Figure 4-13).



Please refer to the paragraph "4.5 How to Make A Long Plot" for more details.



4.3 Cutting Force and Offset Adjustment

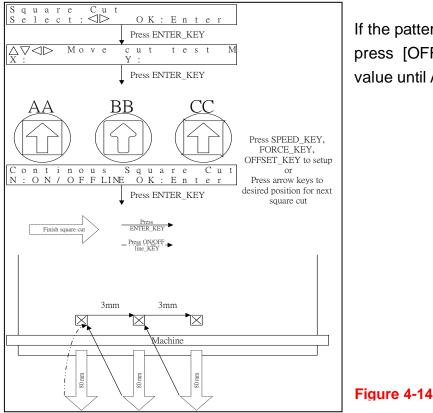
Before sending your designs for cutting, you may perform a "cut test" to generate satisfactory cutting results. The "Cut Test" should be repeated until the appropriate cutting conditions for the media are discovered.

After sizing the media, press [CUT TEST] button to select the "square cut", and press [ENTER KEY] to confirm.

The default cutting force and offset value of the cutting test are 80gf and 0.275mm respectively. Press [ARROW KEY] to move the tool carriage to the position where you like. Then, press the [ENTER KEY] to perform Cut Test.

Note: At the same time, the new origin is also set at the cutting test position.

When the cutting test is completed, a pattern appears. Peel off the pattern to see if it can be easily separated from the media base. If yes, the setup tool force is appropriate. If not or cut through the back paper, press [FORCE KEY] to adjust the tool force until an optimum force is obtained (Figure 4-14).



If the pattern appears to be BB or CC layout, press [OFFSET KEY] to adjust the offset value until AA pattern discovered.



4.4 How to Cut 3mm Letters

To obtain good quality output, narrow media is recommended. However, if wide media is used, you should:

- 1. Position two pinch rollers as close as possible to both edges of the cutting area.
- 2. Make sure the loaded media is held flat with equal tension across the platen.
- 3. Suggested operation settings:

Tool force: 55 gf. (or depending on the material) Cutting speed: 45-50 cm/sec Tool up speed: 45-60 cm/sec Smooth cut: Disable Quality: Small Letter

4.5 How to Make a Long Plot

When you are making a long plot with a roll of heavy and wide vinyl, paper you need to use the "AUTO UNROLL MEDIA" function. The following parameter settings are to help users get the best cutting quality. The actual output quality may vary when using different kind of materials

- 1. If the length of graphic is between 3m and 5m, the cutting speed is better slower than 72cm/sec and the cutting quality is set as Normal.
- 2. If the length is longer than 5m or if the material type is difficult to cut, it is better to further slow down the cutting speed.
- 3. After loading the roll media all pinch rollers are raised at this stage, flatten the media on the platen and hold the front edge of the roll media firmly (Figure 4-15).

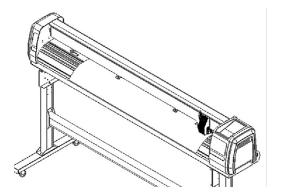
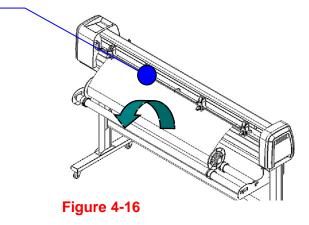


Figure 4-15



Then turn the roll downward to make an equal tension across the media (See Figure 4-16)

Make sure that the media tension is equally distributed from left to right. If the media is not tight enough against the platen, it will cause tracking problems.



- 4. Engage pinch rollers.
- 5. Fixes roll media guide bushes on the roll holder to secure the roll media.
- 6. The protrusion length of the blade should be longer than the thickness of the vinyl. (Please check the "Blade Specification: About the Tool" in Appendix.) After you notice all the above, you'll enjoy your gigantic signs production!

4.6 When Completing the Cutting Job

After completing the cutting job, raise the sheet-loading lever, and then remove the material. You can also cut off the finished job by the Safe Blade (a standard accessory) along the knife guide. (Figure 4-17). Or move the carriage to the position you want to cut off the material and then press the "CUT OFF" button on the control panel. The material will be cut off automatically.



Figure 4-17



4.7 RX II series Print Driver setting

Printing Preferences	— X —
Options Pen Paper AAS Installer	
Setting	File Function
Quality: Normal	Save
Blade: Red Blade 🔻	Load
	Original
Use Plotter Setting	Save To Default
Back to Home	Delete
AAS: Origin using printer setting	History File
Auto CutOFF mm	
Vector Function	
Normal	
X Sorting	
 Inside Out Cutting Cutting Path Optimazation 	
Section Cutting	
By Registration Marks	Setting
At 200 mm intervals	Reflective_film.RX Vinyl.RX Window_tint.RX
	OK Cancel

Setting: You can adjust the following settings, depending on your application or results you would like to achieve.

Quality:

[Slower speeds / higher quality - Faster speeds / lower quality]

The Cutting Quality setting function allows you to adjust and balance vector mode's quality and speed settings based on your specific job. Draft Mode offers the highest output speed, sacrificing quality. Whereas Small letter Mode offers the highest quality, sacrificing output speed. Keep in mind that speed and quality are usually at a tradeoff.

Blade:

Choose the blade type used for this job.

Use Plotter Setting:

The parameter settings will be set according to those set from the control panel.



Back to home:

The carriage will return to the original position when this option is selected.

Auto Cut off:

This feature allows users to set the cutter to cut off the media after the completion of each job making it easy to set up an unattended workflow for mass production. The material will be cut off automatically once you click the Auto Cut off function on GCC driver and set the distance between the cutting image and the cut off line.

The default is 10mm meaning the material will be cut off after 10mm of the image. The value for the cut off function is adjustable. You can set the value between 0mm-100mm depending on your need.

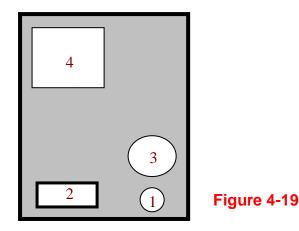
Vector Function

1. Normal:

This is the default Vector Function setting. The cutting order depends on the order of the graphics created in the application software.

2. X sorting:

The cutting order is based on the next closest object on the x-axis from the origin. The cutting order of the sample below will be 1,2,3,4 (please refer to figure 4-20).





3. Inside Out Cutting:

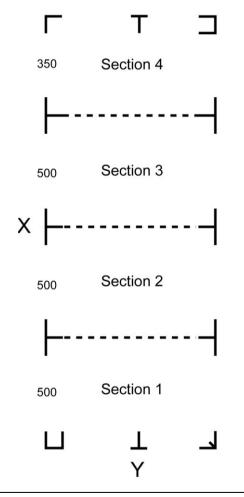
When performing a vector cutting job in which your image has one vector cut area enclosed within another vector cut area, select the Inside-out Sorting mode. This mode will automatically instruct the print driver to process the inside vector image and moving outwards. This setting will always automatically direct the cutter to cut from the inner most vector shape and move outwards.

4. Cutting Path Optimization:

This is a setting that will minimize your process time. When selected, the print driver will analyze your image and automatically determine the most efficient processing path to process your image.

5. Section Cutting:

Users can output long picture by section cutting which could make cutting more stable and get superior cutting quality. Users can set the section by registration marks or input the value manually. When cutting plotter finishing cutting in section 1, it will continue to cut in section 2. The picture is shown as below:





File Function (Option Page):

The file function section allows you to manage various cutter parameters. This section is useful when performing repeated jobs on a variety of objects, allowing you to save your frequently used cutter parameters and load them in the future.

- **Custom Media:** This section lists the files for the parameter settings that you have recently created and worked. You can save more than 50 files to simplify your cutting job.
- **Default:** This section contains the reference settings that are applicable with the verified materials to achieve the best cutting results. Please note that the setting value might need to be adjusted according to different suppliers of materials.
- SAVE: This function will save current print driver parameter settings to a file under the specified location on your computer. (Saved parameter setting files will be tagged with the RX II series extension)
- LOAD: This function allows you to load previously saved print driver parameters.
- ORIGINAL: This function will load the print driver's original factory parameter settings.
- SAVE TO DEFAULT: This function allows you to save your current print driver parameters as the default startup settings.
- **DELETE:** This function will delete the file you select from the Custom Media section, whileas the settings in Default section cannot be deleted. Please note the delete function only removes the file from the Custom Media section, it does not remove the .RX file from your hard drive, if you wish to completely remove the file from your hard disk, and you will have to manually delete the file from your operating system.

Note:

If you are using Windows 2000 or XP as your operating system, then make sure you login with an administrator or administrator-rights account in order to properly save cutter parameter settings.



4.7.2 RX II series Print Driver setting > Pen Page

The RX II series incorporates the use of 16 different colors to represent 16 different parameter settings including cutting speed, force and blade offset settings when cutting. These colors are referred to as "Pens". Think of each pen as a designated cutter setting, rather than as a color. An image that is made up of black, red and blue colors will be processed using the cutter settings designated for each particular color. In order to utilize up to 16 different pens (cutter parameter settings), make sure your graphics software can recognize and utilizes the 16 pen colors designated by the GCC RX II series print driver (please refer to figure 4-21).

Options	Pen	Paper	AAS I	nstaller				
No.	Color	Speed	Force	Offset	Over Cut(mm) Start/End	Length (mm)	
1		72	80	0.250	N Z A	0.0	~	
2		72	80	0.250	N/A	0.0		
3		72	80	0.250	N/A	0.0		
4		72	80	0.250	N/A	0.0		
5		72	80	0.250	N/A	0.0		
6		72	80	0.250	N/A	0.0		
		72	80	0.250	NZA	0.0		
8		72	80	0.250	N Z A	0.0		
9		72	80	0.250	NZA	0.0		
10		72	80	0.250	N Z A	0.0		
11		72	80	0.250	N Z A	0.0	C7000	
12		72	80	0.250	N/A	0.0	×	
Speed	: 1	•			*	72 cm/s		
Force:	Ŀ	<u>. </u>			•	80 g		
Offset:	1	•			•	0.250 mm		
Length:	. 1	<u>_</u>) () () () () () () () () () (0.0 mm	🔲 Die Cut	
Γo	ver Cut			Image Scali	ng			
	Start: 0.	0 <u>-</u> m	m	X: 🔳		•	500 / 500 mm	
	End: 0	0 <u>+</u> m	m	Y: 🔳		F	500 / 500 mm	L.
								Figure 4-21

If you would like to specify your own colors to designate to a particular cutter setting, then all you have to do is to double-click on that particular pen color from the pen menu and a color manager window will open where you can select "define custom colors" to define your own color (shown in the picture below). This is useful when your image is composed of colors that are not part of the pen menu's default color selection, and instead of modifying your image, you simply would like to assign the cutter settings based on the existing colors from your current image.



on Per		Paper	-					
No.	Color	Speed	Force	Offset	Over Cut (mm) Start / End	Length (mm)		
1		72	80	0.250	0.0 / 0.0	0.0	~	
2		72	80	0.250	N/A	0.0		
3		72	80	0.250	N/A	0.0		
4		72	80	0.250	N/A	0.0		
5		72	80	0.250	0	0.0		
6		72	80	0.250	Color		? 🗙	
7		72	80	0.250	Basic colors:			
в		72	80	0.250				
9		72	80	0.250				
0		72	80	0.250				
1		72	80	0.250				
2		72	80	0.250				
Speed	4							
		1	_					
force :	-							
Offset :	4							
	-	_	-		Custom color	rs:		
.ength	-							
	C .							
✓ Over	rut					1 1 1		
Start :	0.0	÷ m			De	fine Custom Colo		Figure
						arrie Custom Colo	NS //	igure
End:	0.0	🕂 mr	n		OK	Cancel		

Note:

The GCC RX II series driver cannot store more than 16 pen colors or different cutter parameter settings per file.

Speed (Pen Page) [DEFAULT SETTING: 72cm/sec]

The speed slider controls the cutter's cutting speed during operation with a range setting from 3 - 153 cm/sec. The GCC RX II series maximum cutting speed is 153 cm (60 inches) per second.

Force (Pen Page) [DEFAULT SETTING: 80g]

The force slider controls the cutting force during operation with a range setting from 0 - 600g.

Offset (Pen Page) [DEFAULT SETTING: 0.25mm]

The offset slider controls the blade offset depending on the blade you used.



Die Cut (Pen Page)

The Die Cut function can allow you to cut through the backing of the material. You can only use the first 8 pen for this function. If you choose Pen No.1 and click the Die Cut function, the Pen No.9 will become Pen No.1* for setting different parameter for the same cutting line. (Figure 4-24)

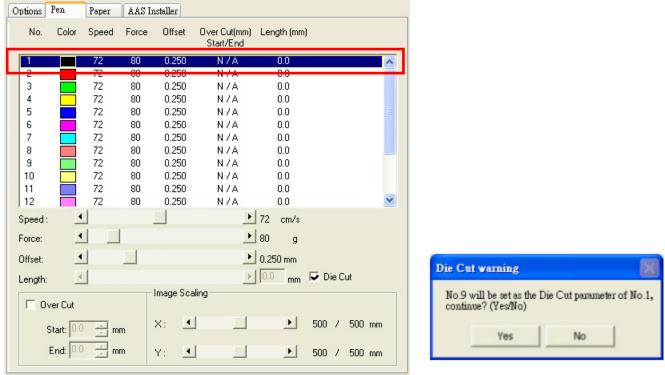
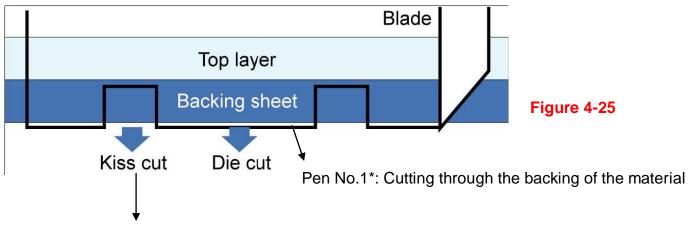


Figure 4-23

Figure 4-24

You can adjust the parameter such as force and length in both Pen No.1 and Pen No. 1* as you need.

For example:



Pen No.1: Cutting through the vinyl only





Image Scaling (Pen Page)

The Image Scaling function can allow you to set the image scale of media length and width to decrease the difference between the actual length and the ideal length caused by various media used while processing cutting job.



4.7.3 RX II series	Print Driver setting	> Paper Page
--------------------	----------------------	--------------

RXII-101S	Propertie:	s		_		X
General	Sharing Pen	Ports	Advanced Paper	Color Managemen	t Security AAS Installer	Options
Pap	oer Size			Unit		_
	X:	2032.00	mm	Metric (mm)		
	Y:	1016.00	mm	🔘 Imperial (inch)		
Lan	iguage					
	English			▼ Chang	e	
Ver	sion No.					
			RXII-1			
			All Rights R			
			DV 1.02	2-01b		
			GC	an again annsiste Produkt		
		С	opyright (c) Grea	at Computer Co.		
			www.gcc	world.com		
				ОК	Cancel	Apply

Paper Size (Paper Page) [DEFAULT SETTING: Y = the width of machine; X will be automatically set to be twice the length of Y]

The paper size represents your total work area. The X value represents the length and the Y value represents the width. The paper size should be set as the same as your image so you can get a better cutting quality.

Unit (Paper Page) [DEFAULT SETTING: Metric (mm)]

Here you can set your preferred measurement standard in which you would like use with the RX II series print driver. You can choose between metric or imperial standards.



4.8 Reference Parameter setting for different materials

The following reference parameter is used on GCC verified materials shown in the table.

5				
Material	Personalized/ Wall stickers	Vehicle stickers	Window decoration	Window tint
Blade	red	red	red	red / yellow
Blade tip length (mm)	0.28	0.27	0.25	0.09
Force (g)	105	85	95	70
Speed (cm/sec)	72	60	65	72
Offset (mm)	0.25	0.25	0.25	0.25
Recommend model	RX, Jaguar, Puma, EX, AR	RX, Jaguar, Puma, EX, AR	RX, Jaguar, Puma, EX, AR	RX, Jaguar, Puma, EX, AR
Material	Stencil	Reflective film	Flock	Cardboard
Blade	red / green	green	green	green
Blade tip length (mm)	0.3	0.5	0.3	0.3
Force (g)	180	380	135	165
Speed (cm/sec)	15	3	30	30
Offset (mm)	0.25 / 0.5	0.5	0.5	0.5
Recommend model	RX, Jaguar, Puma, EX, AR	RX, Jaguar, Puma, EX	RX, Jaguar, Puma, EX, AR	RX, Jaguar, Puma, EX, AR
Material	Magnets	Protective tint	Rhinestone	Sandblast mask
Blade	green	green	green	blue
Blade tip length (mm)	0.8	0.3	0.8	0.27
Force (g)	580	320	190	85
Speed (cm/sec)	3	3	15	60
Offset (mm)	0.5	0.5	0.5	0.25
Recommend model				
	RX, Jaguar	RX, Jaguar, Puma, EX	RX, Jaguar, Puma	RX, Jaguar, Puma, EX, AR
Material	RX, Jaguar Small text (vinyl)	_	RX, Jaguar, Puma	-
	_	_	RX, Jaguar, Puma	-
Material	Small text (vinyl)	_	RX, Jaguar, Puma	-
Material Blade	Small text (vinyl) black	_	RX, Jaguar, Puma	-
Material Blade Blade tip length (mm)	Small text (vinyl) black 0.27 thick: 150	_	RX, Jaguar, Puma	-
Material Blade Blade tip length (mm) Force (g)	Small text (vinyl) black 0.27 thick: 150 thin: 90	_	RX, Jaguar, Puma	-



4.9 How to set die/kiss cut through plug-in software for Adobe Illustrator and CorelDraw

Die/kiss cut function allows you to define two cutting parameter in one cutting line, you can set through plug-in software for Adobe Illustrator and CorelDraw directly instead driver setting by designate the line to green color RGB 255 and then set the length and force from the control panel.

1. Select an outline that you want to do die/kiss cut in working area.

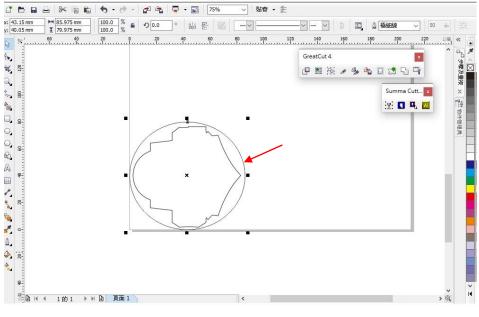
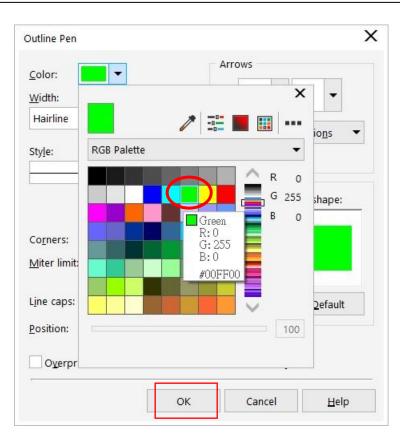


Figure 4-27

 Change the color to green color code RGB 255 then click "OK" (Note: Only green color code RGB 255 is identified as die/kiss cut function, please don't select other color otherwise the function cannot work)

Color:	s •	Arrows	
		Options	
Style:		Share attributes	
<u>E</u> dit st	yle	Calligraphy Stretch: Nib shape:	
Corners: F F	í F	100 \$ % Angle: 0.0 \$	Figure 4-28
Line caps: 👝 💳	-	Default	
Position:		<u>B</u> ehind fill	
Overprint outline		Scale with object	
	ок	Cancel <u>H</u> elp	







3. Outline color has been changed to Green.

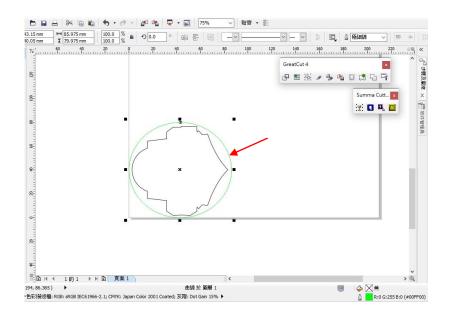


Figure 4-30

4. Select "On/Off Line" > "MISC", use arrow key to select "Die/Kiss Cut" function then press





"Enter".



 Click the left arrow key to the next page to adjust the length value (0.2mm ~ 9.0mm) then click "ENTER".



 Click the left arrow key to the next page to adjust the force value (45g ~ 450g) then click "ENTER" and finish the setting.





Chapter 5 Automatic-Aligning System

Please note that this chapter is only an instruction to AASII; for step-by-step instructions, please refer to the following chapters: 08_A-3 CorelDraw Plug-In, 08_A-4 Illustrator Plug-In, 08_A-5 GreatCut Plug-In.

5.1 Introduction

The RX II series cutting plotters feature a standard Automatic-Aligning System (AAS II) to guarantee precise contour cutting quality by detecting the registration marks printed around the graphic.

Notice • Avoid any kind of light source horizontally illuminating the AAS module.

■ DO NOT take off the cover of AAS module while in operation.





5.2 AAS Contour Cutting System

The AAS system has one calibration procedures to ensure maximum accuracy of AAS operation. To operate the AAS you need to learn about the method of media feeding firstly. (Refer to 4.1 Media Loading.)

5.2.1 Notice for Registration Marks

The first registration mark is designed to be different in order to identify the origin for AAS auto-detection. The following precaution must be aware for registration marks to be read automatically.

- Type of media
- Registration mark pattern
- Reading range required for detection the registration marks
- Position for registration marks and medium

The registration marks have to be:

- Created by cutting software like GreatCut or GCC CoreIDRAW plug-in
- In black color (printing quality of registration marks is essential; incorrect, misaligned colors, blurry or smeared printout might leading to inaccurate cutting result)
- Length: The length of marks
 - → Range: 5mm~50mm
 - → Optimized Setting: 25mm
- Thickness: The line thickness of marks
 - → Range: 1mm~2mm
 - → Optimized Setting: 1mm
- Margin: The distance between marks and images
 - → Range: 0mm~50mm
 - → Optimized Setting: 5mm

The cutter can not detect the marks while:

- Cutter carriage is not located near the outside area of first mark before detecting (See the picture in page 5-7 for auto-detecting area of first mark.)
- Medium thickness is more than 0.8mm
- Transparent medium is used
- Non-monochrome drawing. The marks can't be read if is printed on colored medium
- Dirty or creased medium surface

5.2.2 AAS II on RX II series

There are three types of AAS II mark patterns: 4-Point Positioning, Segmental Positioning, and Multiple Copies. Note that before print out your designs by inkjet printers, the registration marks have to be created on your graphic designs by cutting software like GreatCut, SignPal or GCC CorelDraw plug-in. Hand-made marks or drawings won't be reorganized by GCC cutting plotters. For more details about registration mark setting in cutting software, please refer to "**Appendix A-3**: CorelDraw Plug-In Instruction, **Appendix A-4**: Illustrator Plug-In Instruction, **Appendix A-5**: GreatCut Instruction, and **Appendix A-6**: SignPal 10.5 Instruction."

1. 4-Point Positioning

This is the basic mark pattern that AAS II will auto detect four registration marks and contour cut images inside those marks.

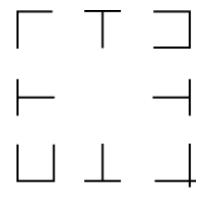
- Command: Esc.D1;(XDist);(YDist):
- Layout: 4 registration marks at the 4 corners around the design

2. Segmental Positioning

In addition to 4 original points, the intermediate registration marks are added on both X axis and Y axis to help contour cut accurately, especially for cutting large images.

- **Command:** Esc.D2;(XDist);(YDist);(XStep);(YStep):
- Layout:

In-between distance on X: 200~600mm, default 300mm In-between distance on Y: 200-600mm, default 300mm

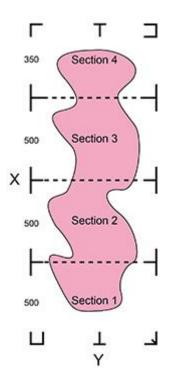


High Precision Long Picture Cutting



RX II series performs section cutting to enhance output qualities.

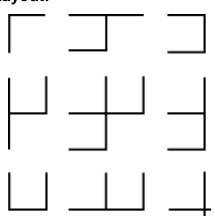
- •The object will be output following the section pattern based on the Segmental Positioning parameters.
- ●Cutting sequence: Section1-> Section 2-> Section 3- > Section 4



3. Multiple Copies

The function is used to duplicate images to let you cut quantities of images at a time. The AAS II sensor will automatically scan registration marks for each individual image to ensure the contour cutting precision.

- **Command:** Esc.D3;(XCopies);(YCopies);(Space):
- Layout:





5.2.3 Automatic Distinction of the Plot Direction

For the convenience of users, RX II series automatically detects the feeding direction of the material when performing contour cutting. Figure 5-1 shows the Registration Mark detection sequence when the material is fed in the standard way (1->2->3->4) while Figure 5-2 is how RX II series detects registration marks (3->4->1->2) when the material is reversely fed. RX II series is able to detect registration marks and performs contour cutting however users feed the media.

Direction detection steps:

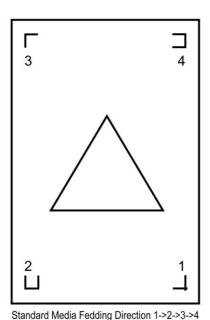
(Please see Figure 5-2)

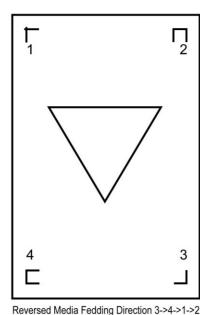
- a. Detects the position of the 3rd Registration Mark
- b. Proceeds to the 4th Registration Mark to detect the direction

(The direction detection procedure will be performed by the detection of 4th Registration Mark)

c. The information is reflected in the driver and recalculated before output

d. The registration mark detection and object output process is implemented





(Registration Mark detection sequence: 3->4->1->2)



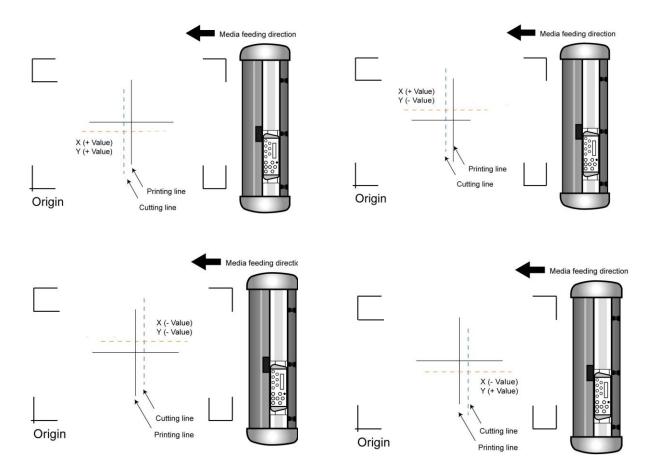
Figure 5-2

5.3 Printer Test

Before performing AAS contour cutting, it's recommended to print out a test file that you can find in the enclosed Installation CD to make sure the AAS II cutting accuracy of RX II series.

There are two testing files for AASII:

- 1. AAS II_X_Y_Offset_Caberation_A4 .eps (A4 size)
- 2. AAS II_X_Y_Offset_Caberation_600_600 .eps (Default setting, it is recommended for testing)
 - Print out the testing graphic. (Please use high precision printer)
 - Load the graphic to RX II series and sent the file to test the cutting job
 - If there are any adjustments to be made, you can change the offset value by following the steps:
 - Measure the offset values from the printed line and the actual cutting line.
 - Enter the AAS Offset under MISC function for the values you just measured, then press Enter
 - Test the cutting again
 - AAS II offset X and Y value is defined as following:
 - Horizontal line is defined as X and vertical is defined as Y (when facing the cutting plotter)
 - When the actual cutting line and the printed line need to be changed towards the direction of origin mark, then simply add the negative value of the offset. If the direction is from the opposite of the origin mark, then enter positive values for the offset (see the following figures). This method applies to both X and Y axes.

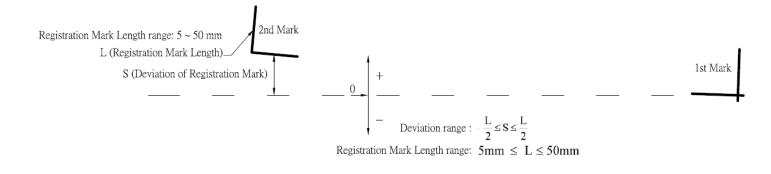


Note:

- Before adjusting the AAS II settings, please proceed scaling for width and length.
- The blade offset value isn't set for this test graphic, please set it according to the blade you use.
- If you have any question, please contact us or your local distributor for assistance.

5.4 Registration Mark Offset Range

Please correctly load your media (refer to the alignment ruler on the platen) to make sure the registration marks are successfully detected. Deviation exceeds the range below will lead to detection failure.



5.5 Contour Cutting

For accurate contour cutting with AAS function, please proceed the following steps:



Creating Graphics

• Create the graphic that you want to print and cut in your software.



• Create a contour for cutting around the graphic.



TIPS1: Leave some space between the graphic and contour line.

TIPS2: Create the contour in a separate layer and assign a different color for it.

Add registration marks around the graphic.

Note:

The Multiple Copies function is also available. It automatically copy the graphic and registration marks.

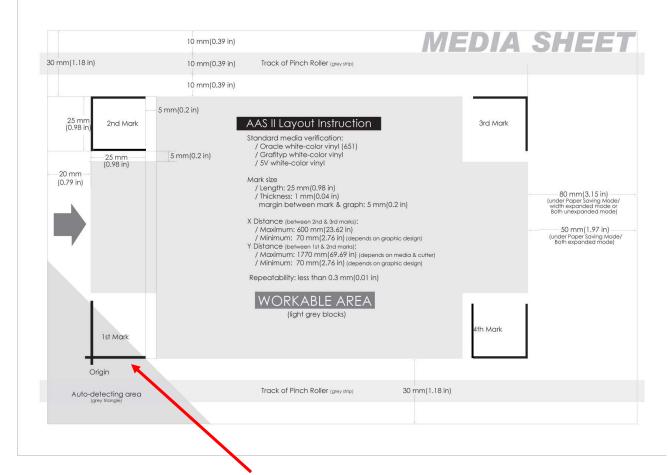




Step 2 Plac

Placing the Registration Marks

The AAS Layout Instruction:



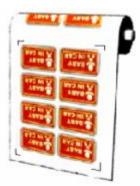
* Auto-detection function on the 1st mark covers the grey area

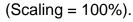
- Suggested 30mm margin on both left and right sides of media sheet.
- Suggested 20~30mm margin on top of media sheet, and at least 50mm margin on the bottom edge to prevent sheets dropping or any error occurred while media sizing.



Print the Graphics

Print the graphic and the marks with your printer





■ When printing on a roll media, make sure the orientation as following:



Step 4 Load the printout onto cutter

■ The Origin Mark is is different from the rest registration marks. Please make sure the media is fed with correct direction.





Cut the Contour

Send out the command from software to perform the contour cutting job.

5.6 Tips for AAS

For getting better results of contour cutting, there are some tips below for your reference.

- Keep light sources simple and avoid illuminating from the sides of cutter.
- Before operating AAS, change the maximum paper size in RX II series driver property.

Step 1 Find the **RX II model** in the "Printer & Fax" folder of your PC.

Step 2 Open the Properties window and select the "Paper" tab.

Step 3 Change the maximum Paper Size of X to **1200**mm.

- Adjust the cutting speed to between 300~600mm/sec.
- Avoid the registration marks locating on the tracks of pinch rollers.
- Make sure the edge of the media is not bent up when detecting registration marks.



Chapter 6 Maintenance

This chapter explains the basic maintenance (i.e. cleaning the cutting plotter) required for the cutting plotter. Except for the procedures mentioned below, all other maintenance must be performed by a qualified service technician.

6.1 Cleaning the Cutting Plotter

Cleaning the machine properly and regularly will ensure optimal performance out of your machine.

Cleaning Precaution !



- Unplug the cutting plotter before cleaning it in order to prevent electrical shock.
- Never use solvents, abrasive cleaners or strong detergents for cleaning. They may damage the surface of the cutting plotter and the moving parts.

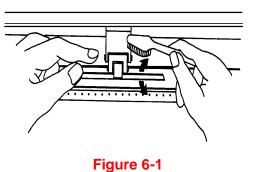
Recommended Methods:

- Gently wipe the cutting plotter surface with a lint-free cloth. If necessary, with a damp cloth immersed in water or alcohol. Dry and wipe any remaining residue off a soft, lint-free cloth.
- Wipe all dust and dirt from the tool carriage rails.
- Use a vacuum cleaner to empty any accumulated dirt and media residue beneath the pinch roller housing.
- Clean the platen, paper sensors and pinch rollers with a damp cloth immersed in water or alcohol, and dry with a soft, lint-free cloth.
- Wipe dust and dirt from the stand.



6.2 Cleaning the Grid Drum

- 1. Turn off the cutting plotter, and move the tool carriage away from the area needed to be cleaned.
- 2. Raise the pinch rollers and move them away from the grid drum for cleaning.
- 3. Use a bristle brush (a toothbrush is acceptable) to remove dust from the drum surface. Rotate the drum manually while cleaning. Refer to Figure 6-1.



-

6.3 Cleaning the Pinch Rollers

- 1. If the pinch rollers require a thorough cleaning, use a lint-free cloth or cotton swab to wipe away the accumulated dust from the rubber portion of the pinch rollers. To prevent the pinch rollers from rotating while cleaning, use your finger to hold the pinch rollers to prevent them from rotation
- 2. To remove the deeply-embedded or persistent dust, use the lint-free cloth or cotton swab moistened with rubbing alcohol.

Note: The daily maintenance of your cutting plotter is very important. Be sure to clean up the grid drum and pinch rollers regularly for better cutting accuracy and output quality.



Chapter 7 Trouble Shooting

This chapter is to help you correct some common problems you may come across. Prior to getting into the details of this chapter, please be sure that your application environment is compatible with the cutting plotter.

Note:

Before having your cutting plotter serviced, please make certain that the malfunction is in your cutting plotter, not the result of an interface problem or a malfunction in your computer or a software problem.



Why is the cutting plotter not functioning?

Possible Causes:

7.1 Non-Operational Problems

Check the following first:

- Does the AC power cord plug in properly?
- Does the AC power cord connected to the power connector properly?
- Does the power LED still illuminate?

Solutions:

If the LCM is able to display the message, the cutting plotter should be in a normal condition. Switch off the cutting plotter and turn it on again to see if the problem still existing.

If the LCM is not able to display any message, contact the technician from your dealer.



7.2 Operational Problems

Some mechanical problems or failure during operation will cause some problems. The error messages shown on the LCM present the problem first, and followed by recommended actions. If the problem still exists after the recommended actions have been done, have your cutting plotter serviced.

Error, Check Media Or Drum or X Motor This message indicates that there might be a problem on the **X axis**. Check if the drum is working well and if the media is well loaded. Correct the problem and re-power on to reboot system.

Error, Check Media Or Y Motor This message indicates that there might be an obstruction to carriage relating to a problem on the **Y axis**. Correct the problem and re-power on to reboot system.

Error, Check Carriage Sensor or VC Motor

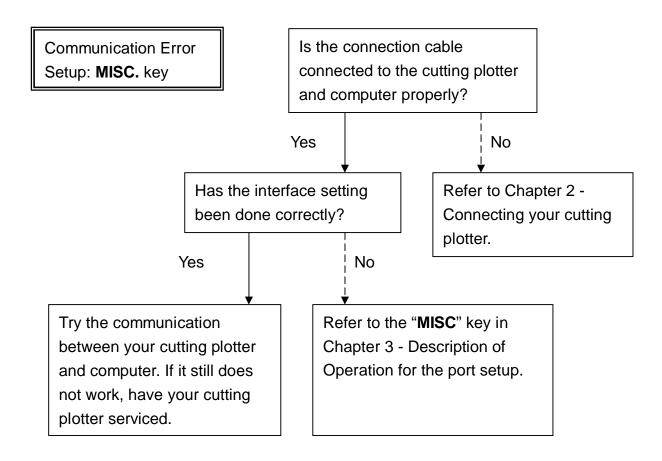
Graph Was Clipped. Data In Buffer This message indicates that the blade up/down sensor malfunction. Re-power on to re-boot system. If the problem still exists, find a serviceman.

This message indicates that the cutting exceeds the cutting limit. Reload larger media or re-scale the plot to a smaller size; then press the key followed by the display of LCM to continue.



7.3 Cutting Plotter/Computer Communication Problems

The messages showed below present problems in relation to cutting plotter/computer communication.



Note:

The computer also needs to set up compatible communication parameters to the cutting plotter set up.

HP-GL/2 Cmd. Error

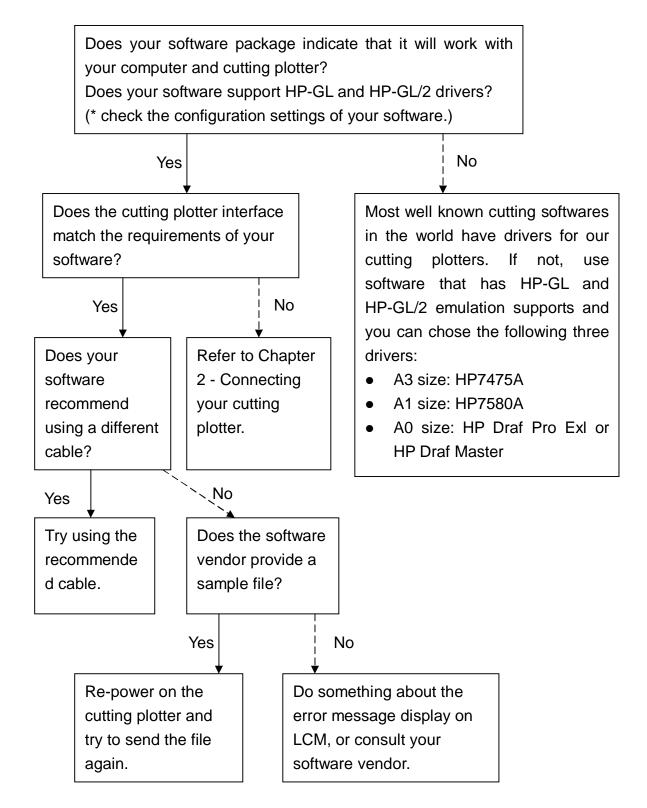
If your cutting plotter can not recognize the HP-GL/2 or HP-GL commands, please check the HP-GL/2 or HP-GL commands applied to your cutting plotter are used properly.



GCC

7.4 Software Problems

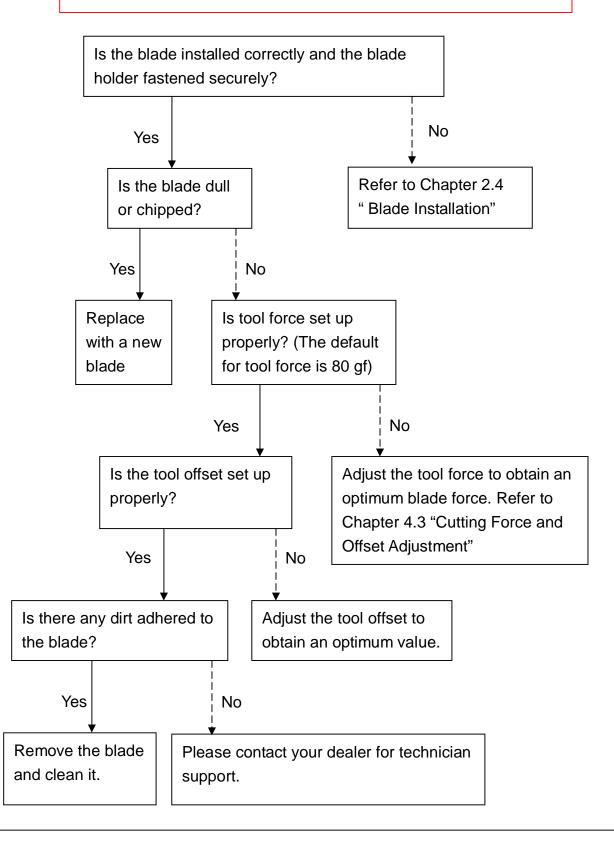
Check the following first:





7.5 Cutting Quality Problems

Note: The daily maintenance of your cutting plotter is very important. Be sure to clean up the grid drum and pinch rollers regularly for better cutting accuracy and output quality.





RX II series Specification

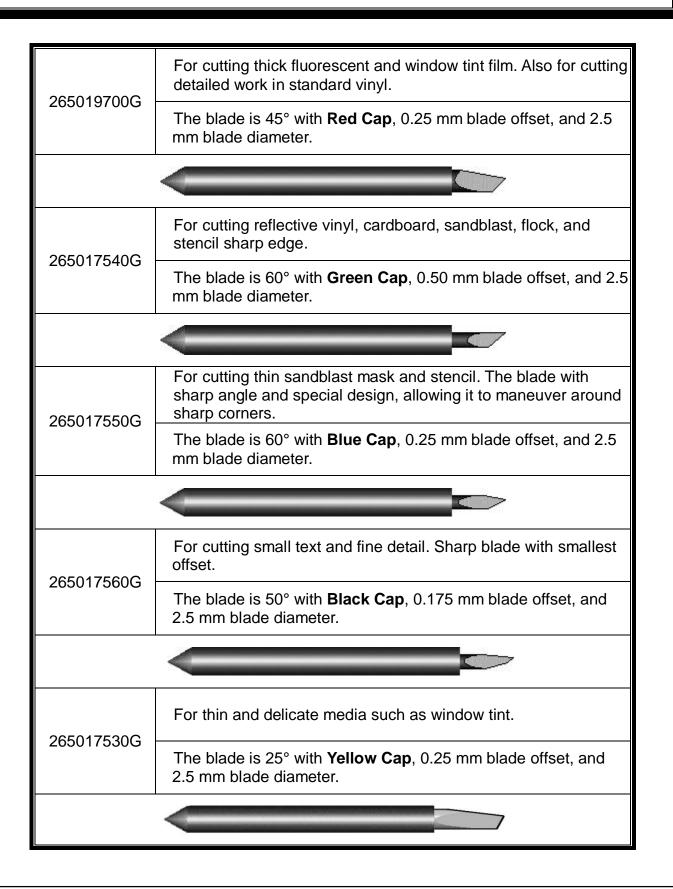
	-				
Model Number	RX II-61	RX II-101S	RX II-132S	RX II-183S	
Operational Method		Roller-Ty	ре		
Max. Cutting Width	610mm (24in)	1010mm (40in)	1320mm (52in)	1830mm(72in)	
Max. Cutting Length		50m (164	4ft)		
Max. Media Loading Width	810mm(31.88in)	1326mm(52.2")	1635mm(64.37")	2145mm(84.44")	
Min. Media Loading Width		50mm (1.9	97in)		
Number of Pinch Rollers	2	3	4	6	
Acceptable Material Thickness		0.8mm (0.0)3in)		
Drive Motor	DC Servo Control				
Cutting Force		5~600	g		
Max. Cutting Speed		1530 mm/sec (60 ips)	(at 45° direction)		
Acceleration		4.2 G (gra	vity)		
Offset		0~1.0 mm (with an incre	ease of 0.025mm)		
Memory Buffer		16 MB			
Interfaces	U	SB 2.0 (Full Speed), Serial	(RS-232) and Ethernet		
Type of Command		HP-GL, HP	-GL/2		
Mechanical Resolution		0.006 m	m		
Software Resolution		0.025 m	m		
Distance Accuracy	±	0.254 mm or ±0.1% of mov	e, whichever is greater		
Repeatability		±0.1mr	n		
Automatic-Aligning System	Completely	y Automatic Contour Cutting	System for print to cut	olution	
Curve & Arc Smoothing		Yes			
Configurable Origin		Yes			
Test Cut capability		Yes			
Tangential mode		Yes			
Over Cut		Yes			
Repeat	Yes				
Сору	Yes				
Pouncing		Yes			
Control Panel	LCD	(20 digits x 2 lines), 15 Key	s, 1 Power LED, 1 Greer	i 51	
Diameter of Blade		2.5 mn	1		
Power Supply		100 ~ 240VAC 50/60Hz	z (auto switching)		
Power Consumption		251.8 wa	itts		
Dimension (HxWxD) mm	437 * 1098 * 479	1147 * 1614 * 651	1147 * 1923 * 651	1147 * 2433 * 756	
(HxWxD) in	17.2 * 43.2 * 18.8	45.2* 63.5 * 23.8	45.2 * 75.7 * 23.8	45.2 * 95.8 * 29.8	
Net Weight	25kg	61.8kg	71.5kg	72kg	
Auto Cut Off		Standar	ď		
Max. Cut Off Width	696mm	1107mm	1417mm	1927mm	
Stand	Optional		Standard		
Media Basket	-	Optiona	al		
Operation Temperature		15°C~30°C / 60			
Environment Humidity		25% ~ 75			



- Compatible with Windows 7 and above & MAC OS X 10.6 and above. (*Purchasing serial number for "Sure Cuts A Lot" software to work with Mac OS.)
- The specification and data sheet may vary with different materials used. In order to obtain the best output quality, please maintain the machine regularly and properly.
- GCC reserves the right to change the specifications at any time without notice.
- GCC certified material in tracking is Avery MPI 3000.
- The above listed specification values are effective only when operated with media certified by GCC.



Blade Specification

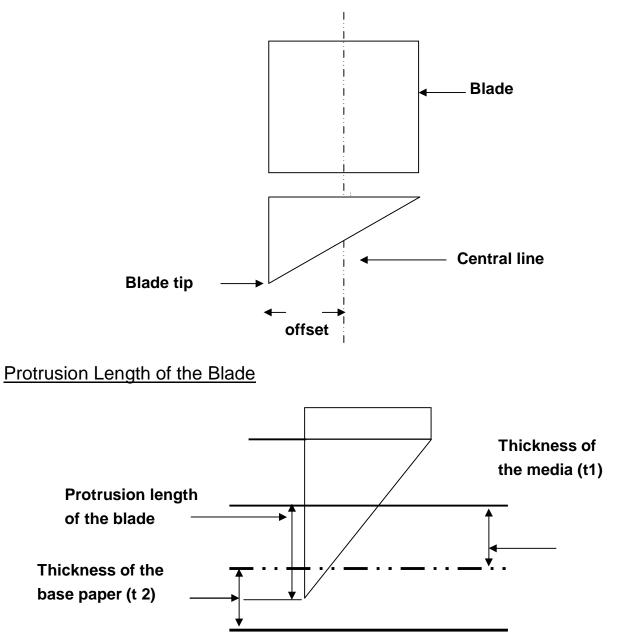




About the Tool

A generic term referring to the blade that cuts the sheet, the pen that does plotting, and the LED bombsight (option) used for pointing to the reference point.

OFFSET is the distance that the blade tip is displaced from the centerline of the blade.



Length of protrusion = t1 + t 2/2, but for your convenience you may just make it about 0.3mm ~ 0.5mm beyond the blade holder tip.

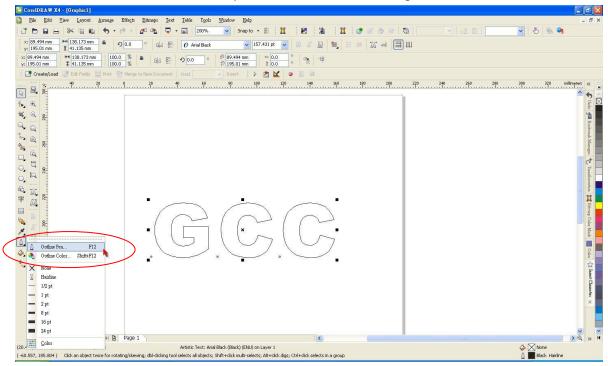


CorelDRAW Output Instruction

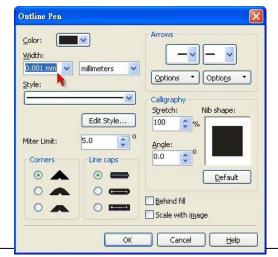
The following is an example of how to output the file with CorelDRAW.

User Instructions

- 1. Open CorelDRAW, finish editing all the files you wish to plot and select all the images at once.
- 2. Select "Outline Pen" to adjust the outline for cutting.

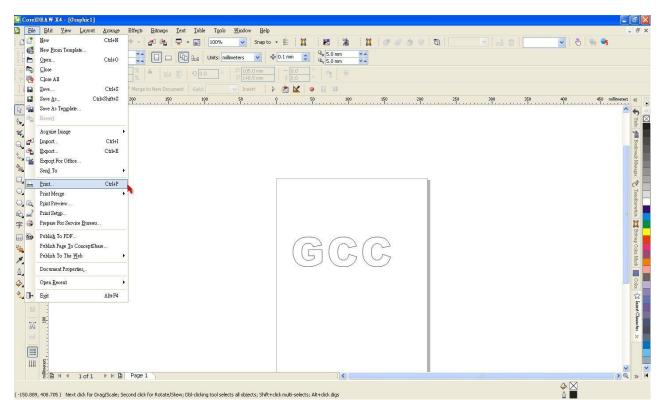


3. Adjust the value of pen width to 0.001 mm and click "OK" to save your input.





4. Select "File \rightarrow Print" to output the file to your cutters.



5. Choose the correct model you have installed.

rint			
General Layout Separations Prepress Misc	No Issues		
Name: Jaguar IV 183	Properties		
Type: Jaguar IV 183 Status: Ready			
Where: GCCUSB0: Comment:	Print to file	-	
Print range ⓒ Current document 〇 Documents	Copies Number of <u>c</u> opies:		
Current page Selection			
Print style: CorelDRAW Defaults	Saye As	A A Page 1	
Print Previe <u>w</u> Al Print	Cancel Apply Help		



6. Choose the "Layout page" and click the "Reposition images to: \rightarrow Bottom left corner". **Please note that you must put your image at the bottom left corner.**

Print							X
General Layo Separation and s As in gocument Eit to page Constitution images Settings for Page Position: x: 35.91 m X y: 169.071 X Print tiled pages Tile overlap:	ze s to: e 1: Size: ₩ 138.18 41.14 m 1 E	Eenter of page Center of page op center eft center ight center op left corne op left corne option left corne tottom right corne tottom right corne tottom right corne	e r er mer	# of tiles:			
Bleed limit:	4.0 mm 😂	nt (Full Page)		<u>E</u> dit	Page 1	~
Print Previe <u>w</u>		Prin	t Cance	el Apply	Help		

7. Go back to the General page and check that your image is at the bottom left corner. Click "Print" and get a wonderful cutting image.

Seneral Layout Separations Prepress Misc	2 No Issues		
Destination			
Name: Jaguar IV 183	Properties		
Type: Jaguar IV 183			
Status: Ready			
Where: GCCUSB0:			
Comment:	Print to file		
Print range	Copies		
Ourrent document ○ Documents	Number of <u>c</u> opies: 1		
Current page			
O Pages: 1	1 2 3 3 Collate		
Even & Odd 🛛 👻			
Print style: Custom (Current settings not saved)	Sa <u>v</u> e As	A B P Page 1	
Print style: Custom (Current settings not saved) Print Preview Print	Saye As	Page 1	



CoreIDRAW Plug-In Instruction

AASII VBA Installer is applicable for CorelDRAW Version 13, 14, 15, 16, 17, 18

Installation

Please refer to Step 8 in Chapter **2.7.1.2** Driver Installation to install AAS plug-in for CoreIDRAW.

Run CoreIDRAW AAS Plug-in

Step 1 Run CorelDRAW to edit your graphics and select all images at once when you wish to plot.

Step 2 Select "Tools→Macros→Run Macro." Then select Global Macros

(GCCAASII_Draw13.gms) under the "Macros in" manual, and press "Run".

Macro name: GCCModule.GCC_AAS_Plug_In GCCModule.GCC_AAS_Plug_In	Run
	Step Into
	Edit
	Create
	Delete
Macros in: GlobalMacros (GCCAASII_Draw.gms) Description:	•
GCC's AASII Contour cutting System VBA	



Step 3 Click on "Apply" and select whether you would like to add the registration marks by page size or by object.

S II Reg. Mark Setting v2.09-01	23
Add Registration Mark by page size	e
4-Point Position	
Length 25 mm (5-50) Thickness 1 mm (1-2) Margin 0 mm (0-50)	
C Segmental Positioning	
X Step 500 mm (200 - 600) Y Step 500 mm (200 - 600)	
C Multiple Copies	
No. of X Copies 1 (1 - 50) No. of Y Copies 1 (1 - 50) Copies with outline 1	
Apply Cancel	1

Step 4 Now you can print out the image file with registration marks.

Note: "Add Registration Mark by Object" will be the default selection if you click on the image whereas "Add Registration Mark by page size" will be the default one when the blank area on the page is clicked.

You can also add a Hot Icon for the AAS Plug-in

Select "Tools \rightarrow Options \rightarrow Workspace \rightarrow Customization \rightarrow Commands \rightarrow Macros \rightarrow GCCMadual.GCC_AAS_Plug_In" and Click OK.

Options			×				
Workspace General Display Edit PowerClip Frame Snape to Objects Warnings VBA Save PowerTRACE Plug-Ins	Commands Macros Converter-Start CorrelMacros CreateColorS CorelMacros CaseColorS CorelMacros CaseColorS CorelMacros CaseColorS CorelMacros CaseColorS CorelMacros CaseColorS Wizard CreateColordar	General Shortcut Keys Appearance Toothip Help: Currently Available On:		oreIDRAW X7 (64			
Text Toolbox			<u>F</u> ile	<u>E</u> dit <u>V</u> iew	Layout Ar	rrange Effe <u>c</u> ts	s <u>B</u> itmap
Customization Command Bars Commands					* •	1 5 - d	- X
Commands Color Palette Document Global			Lette	r	▼ ¹⁰ 8	.5 " 🔹 🔹	
			R	Welcome Scree	r NX itled-	1 +	
			é	<mark>м 4</mark> , , л-	2		<u> </u>
		OK Cancel	Help 4				

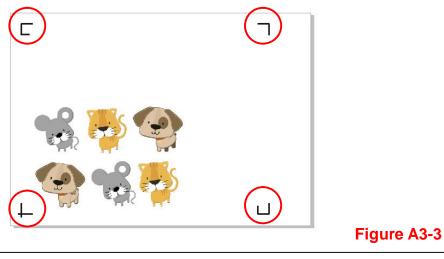


Add Registration Mark by page size

If you tick "Add Registration Mark by page size" as shown in the figure below and click "Apply", your registration marks will be created automatically (please see Figure A3-1).

Note:	AAS II Reg. Mark Setting v1.02-01
 The length setting will be in the range of 5-25mm according to your page size. 	Add Registration Mark by page size Add Registration Mark by Object C 4-Point Position
2. Please DO NOT make any changes to the "Origin" section when you choose to add registration marks by page size as indicated below otherwise the position of the marks will be changed (please see Figure A3-2).	Length 11 Thickness 1 Margin 0 Segmental Positioning X Step 300
Options X Snap to Objects Nudge Warnings Nudge Save Nudge PowerTRACE Nudge Text Micro nudge: 0.010 in / Customization Same units for Duplicate distance, Nudge and Rulers Command B Origin Units: Corronand B Origin Tick divisions: Background Guidelines Of inches Sime per tick Vertical: 0.0 inches Verticals Vertical: 0.0 inches Verticals Vertical: 0.0 inches Verticals Vertical: 0.0 Verticals Verticals Vertical: 0.0 Vert	Y Step 300 mm C Multiple Copies No. of X Copies 1 No. of Y Copies 1 C Copies with outline Apply Cancel Figure A3-1

The system will create the 4 marks on the 4 corners of the page as shown in the picture below wherever you move your image.



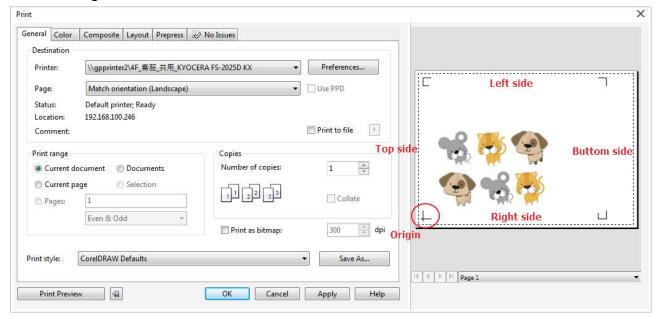


Workable area

It allows users to edit and cut graphics in the area outside the registration marks when adding registration marks by page.

For A4 size media sheet, the workable area is 2.5mm extended from the registration mark on left and right sides and 4.5mm extended from the registration mark on top side. On the bottom side, it is suggested to leave at least 25mm margin from the edge of media sheet to prevent sheets dropping or any error occurred while media sizing.

For A3 size media sheet, the workable area is 10mm extended from the registration mark on the left side, 9mm extended from the registration mark on the right side and 11mm extended from the registration mark on top side. On the bottom side, it is suggested to leave at least 25mm margin from the edge of media sheet to prevent sheets dropping or any error occurred while media sizing.

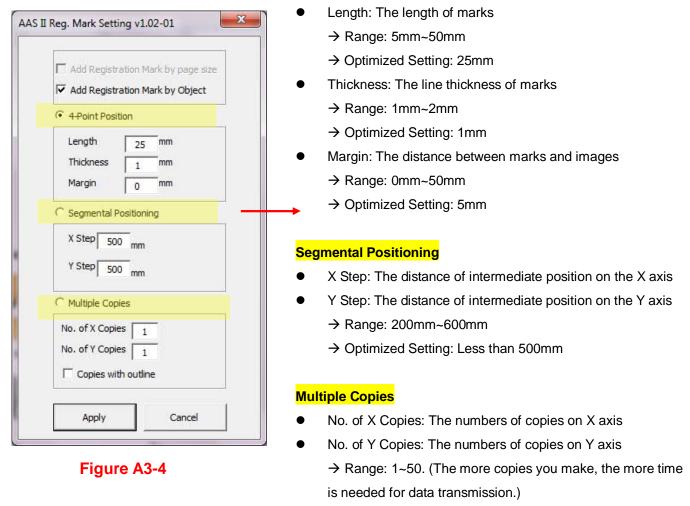


Note: Select "**Edge**" mode when media sizing to allow the media sheet to be unrolled. If you select "**Single**" mode, the media sheet will not be able to be moved back and hence fail to be detected by front paper sensor.



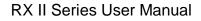
Add Registration Mark by Object

If you tick "Add Registration Mark by Object", you will be offered three options of registration marks as shown below. 4-Point Positioning



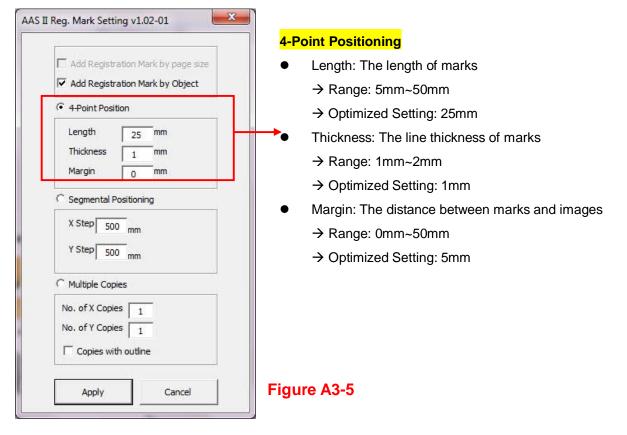
- → Numbers of X Copies * Numbers of Y Copies = The total amount of image copies
- Copies with outline: To show outlines of image graphics

Note: The values entered in the "4-Point Positioning" section (length, thickness and margin) will still be applied when you tick "Segmental Positioning" or "Multiple Copies".





4-Point Positioning



The system will create the 4 marks as shown in the picture below.

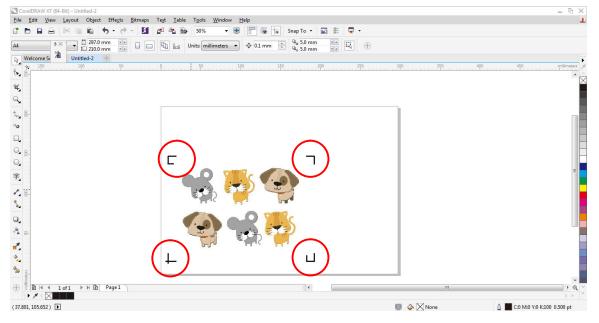
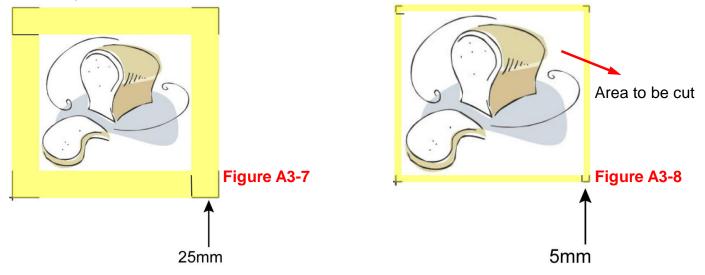


Figure A3-6



Note:

 To save your materials, in addition to amending object margins, you can also adjust the length of the registration marks (5mm minimum) when you apply 4-Point Positioning (see table 1 for suggestions based on different material sizes). The smaller the size is, the smaller the distance between the object and the registration marks is (see the figures below).



P	
Page size	Suggested mark length
(unit: mm)	(unit: mm)
A6 (105 x 148)	5
A5 (148 × 210)	8
A4 (210 × 297)	11
A3 (297 × 420)	16
A2 (420 × 594)	23
A1 (594 × 841) and above	25*

Table 1

*25mm is the suggested value for the registration mark length

2. The size of the registration marks would affect the accuracy of registration mark detection so please make sure the amount you enter is reasonable.

3. If you change the paper size, you will have to reset the registration marks otherwise the previous setting will be applied.

Segmental Positioning

GCC

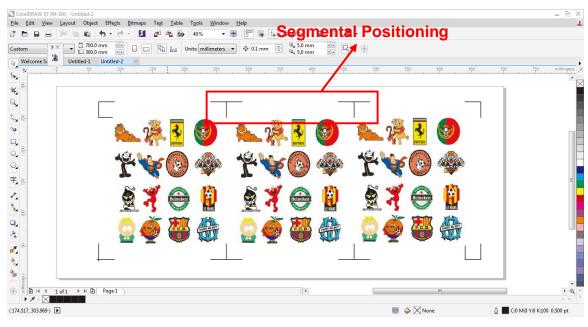
Add Registr	ation Mark by page size
Add Registr	ation Mark by Object
4 Point Posi	tion
Length	25 mm
Thickness	1 mm
Margin	0 mm
Y Step 20	
No. of X Copie	es 1
No. of Y Copie	es 1
	4 4
Copies wit	th outline

For precise cutting quality, it is suggested to select "Segmental Positioning" when you are working on an extra long or large-sized image to increase cutting accuracy.

Segmental Positioning

- X Step: The distance of intermediate position on the X axis
- Y Step: The distance of intermediate position on the Y axis
 - → Range: 200mm~600mm
 - \rightarrow Optimized Setting: Less than 500mm

Figure A3-9



The system will create the as shown in the picture below

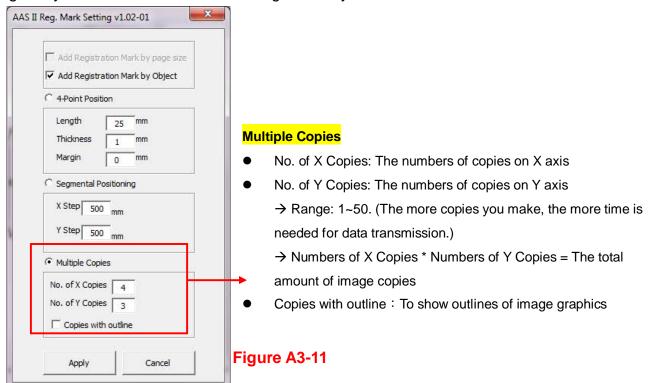
Figure A3-10

Segmental Positioning will be applied to Multiple Copies when the object to be copied is of large size (with the length or width over 200mm) to increase the accuracy of registration mark detection.

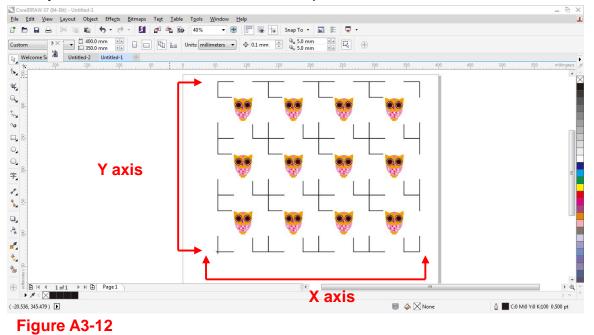


Multiple Copies

It is suggested to select "Multiple Copies" when you would like to make several copies of one image on your material to increase cutting accuracy.



The system will create the as shown in the picture below.





Contour cutting through CorelDraw

Step 1 Position the paper with registration marks printed by your printer on the GCC cutter. Step 2 Select "Files \rightarrow Print".

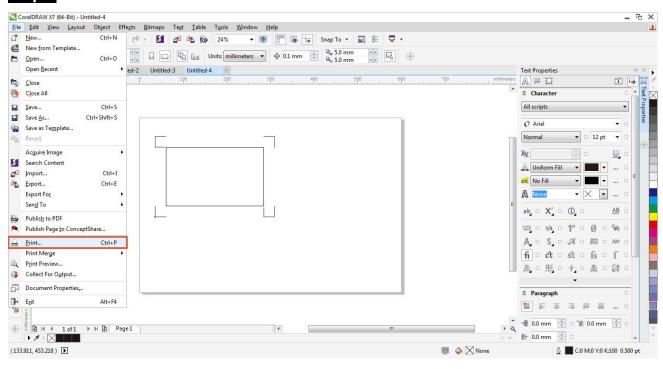


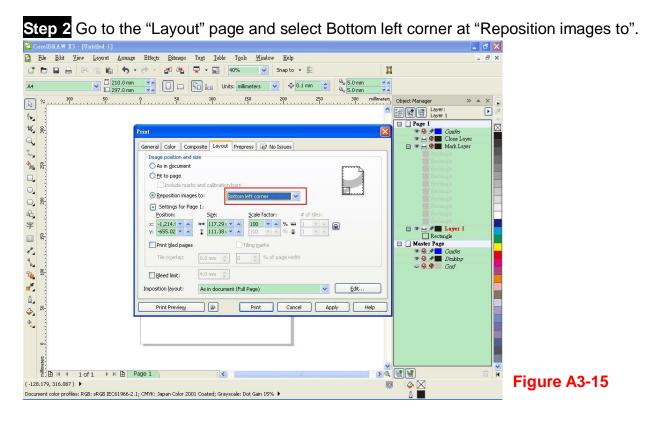
Figure A3-13

Note: if you use CorelDraw X5 and later, you must follow the steps below.

Step 1 Click the "color" page and go to the "Color conversions performed by:" and then select the model name of you cutter (please refer to Figure A3-14).

Image: Second secon		
Print Preview iii)	Image: Construction of the Windows Graphic Print: Cancel Apply Help	Figure A3-14
(-128.179, 316.087) ► Document color profiles: RGB: sRGB IEC61966-2.1; CMYK: Japan Color 2001 Coated; Grays	scale: Dot Gain 15% 🕨 🕺 📓	Ŭ





Step 3 Click "Print".



Illustrator Plug-In Instruction

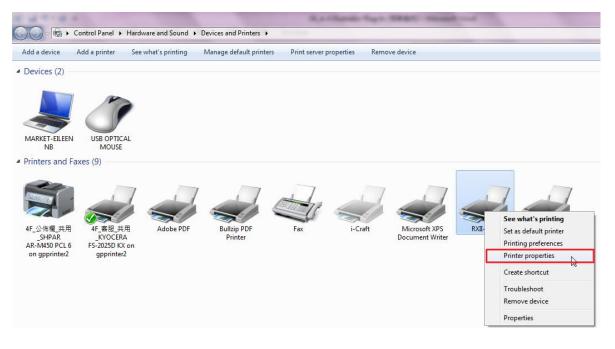
AASII VBA Installer is applicable for Adobe Illustrator Version CS4, CS5, CS6, CC.

Installation

Please refer to Step 8 in Chapter 2.7.1.2 Driver Installation to install AAS plug-in for Adobe Illustrator.

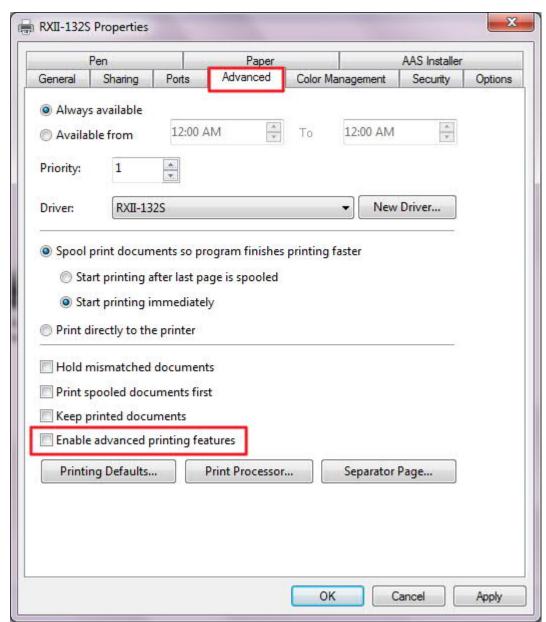
Printer Setting

Step 1 Go to Control Panel, right click on the printer and select Printer Properties to open the Printer Properties page





Step 2 Go to the Advanced page and make sure the "Enable advanced printing features" box is unchecked.

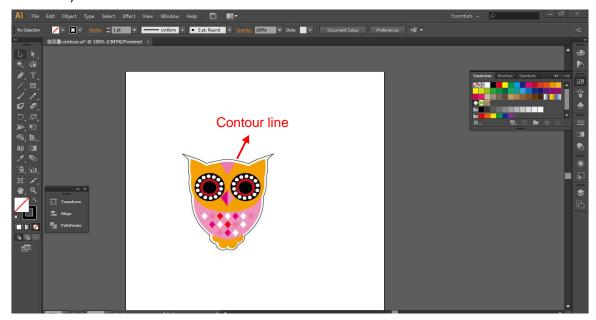




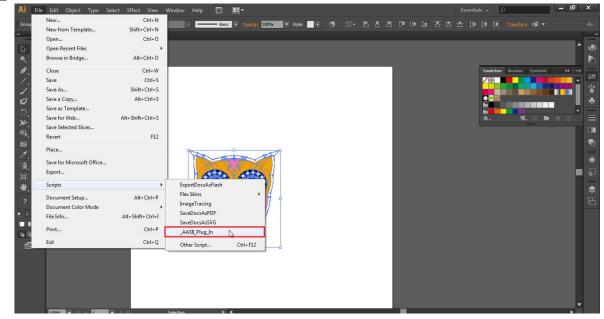
User Instructions

Step 1 Open Illustrator.

Step 2 Edit your image and create a contour line (Note: you must have the line width set as 0.001mm).

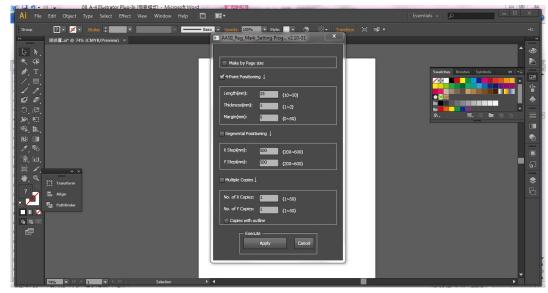


Step 3 Click on the image and apply the AAS function (File \rightarrow Scripts \rightarrow _AASII_Plug_In).





Step 4 Select the registration marks needed



Step 5 Three types of registration marks are introduced here: 4-Point Positioning, Segmental Positioning and Multiple Copies.

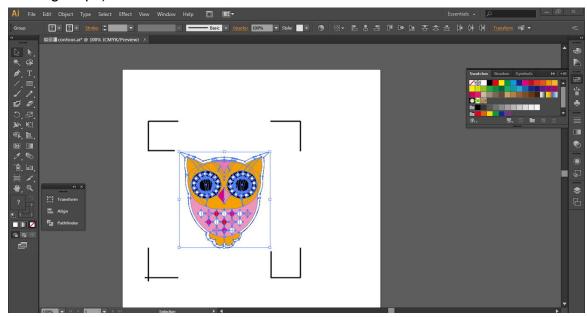
AASII_Reg_Mark	_Setting P	vrog v2.10-01	x
Make by Page	size		
4 Point Poisition	ing ↓		
Length(mm):	25	(10~50)	
Thickness(mm):	1	(1~2)	
Margin(mm):	0	(0~50)	
Segmental Poisi	ioning 🗼		
X Step(mm):	500	(200~600)	
Y Step(mm):	500	(200~600)	
Multiple Copies .	l		
No. of X Copies:	1	(1~50)	
No. of Y Copies:	1	(1~50)	
Copies with o	utline		
Exec	ute ———	Cancel	

Note:

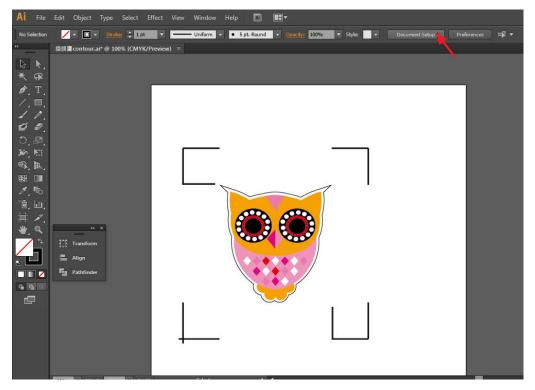
The values entered in the "4-Point Positioning" section (length, thickness and margin) will still be applied when you tick "Segmental Positioning" or "Multiple Copies."



Step 6 Confirm the registration marks (the 4-Point Position mark is used as an illustration in the following steps).



Step 7 Click on the blank area on the page and then click "Document Setup".

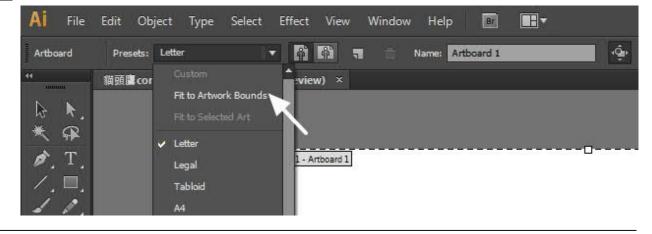




Step 8 Hit "Edit Artboards".

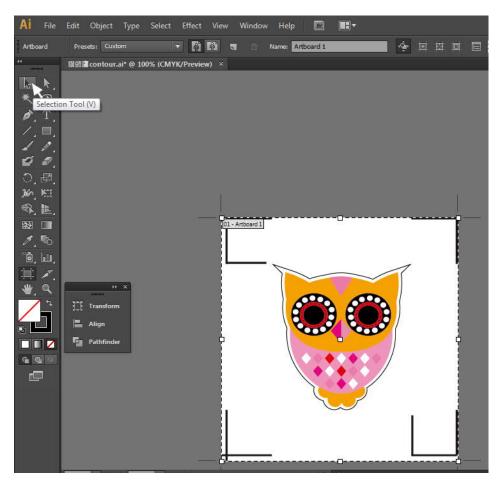
Document Setup			
Bleed and View Options			
Units: Points Edit Artboards			
Top Bottom Left Right Bleed: ‡0 pt ‡0 pt \$0 pt \$0 pt			
Show Images In Outline Mode			
Highlight Substituted Fonts			
Highlight Substituted Glyphs			
Transparency			
Grid Size: Medium 🔫			
Grid Colors: 📓 Light 👻			
Simulate Colored Paper			
Preset: [Medium Resolutio] Custom			
Type Options			
☑ Use Typographer's Quotes			
Language: English: USA 👻			
Double Quotes: "" 🔻 Single Quotes: 🖌 🔻			
Size Position			
Superscript: 58.3 % 33.3 %			
Subscript: 58.3 % 33.3 %			
Small Caps: 70 %			
Export: Preserve Text Editability			
Export, Preserve reac Editability			
OK Cancel			

Step 9 Click on "Presets \rightarrow Fit Artboard to Artwork bounds".

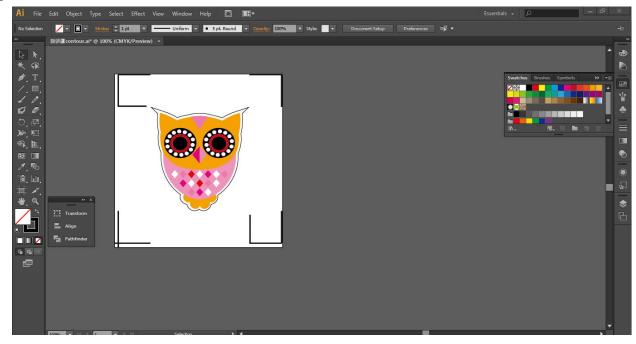




Step 10 Please move your mouse to the tool bar on the left when step 9 is finished and then click "Selection Tool".

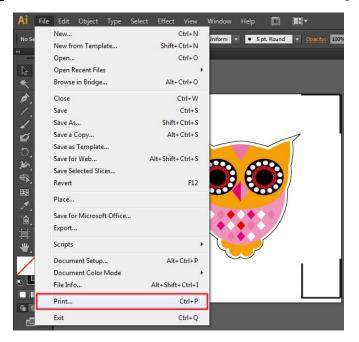


Step 11 This will take you back to the edit mode.



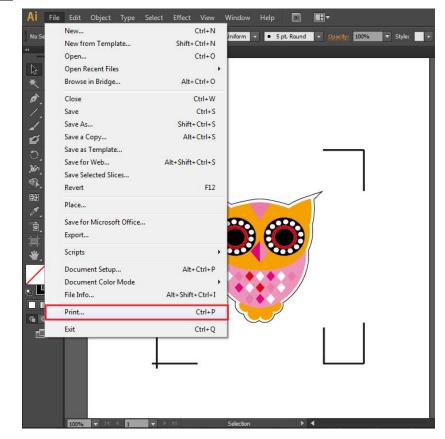


Step 12 Print out the file with the contour line and the registration marks.



Step 13 Place the printed file on the cutter, lower the pinch rollers and then position the carriage at the origin of the registration marks.

Step 14 Send the file to the cutter.





Print		
	Print Preset: Custom	.
	Printer: RXII-132S	
General	General	
Marks and Bleed Output	Copies: 🚺 🚺 Collate 🗖 Reverse Order	
Graphics Color Management	Artboards:	
Advanced Summary	 Range: 	
	🗌 Ignore Artboards 🛛 🗹 Skip Blank Artboards	
	Media Size: Defined by Driver	
	Width: 7483.4644 r Height: 3741.7322 r	
	Orientation: Auto-Rotate 👔 💣 🔮 🕤	
	Transverse	
	Options	
	Print Layers: Visible & Printable Layers 🔹	
	Placement: 🔡 X: 0 pt Y: 2899.84 p	
	Scaling: Do Not Scale 🗸 Overlap:	0 pt
14 4 1 of 1 ►	M Scale: W: 100 H: 10	0
Document: 595.28 pt x 841.89 pt	The Desired	
Media: 7483.46 pt x 3741.73 pt	Tile Range:	
Setup	Done Print	Cancel

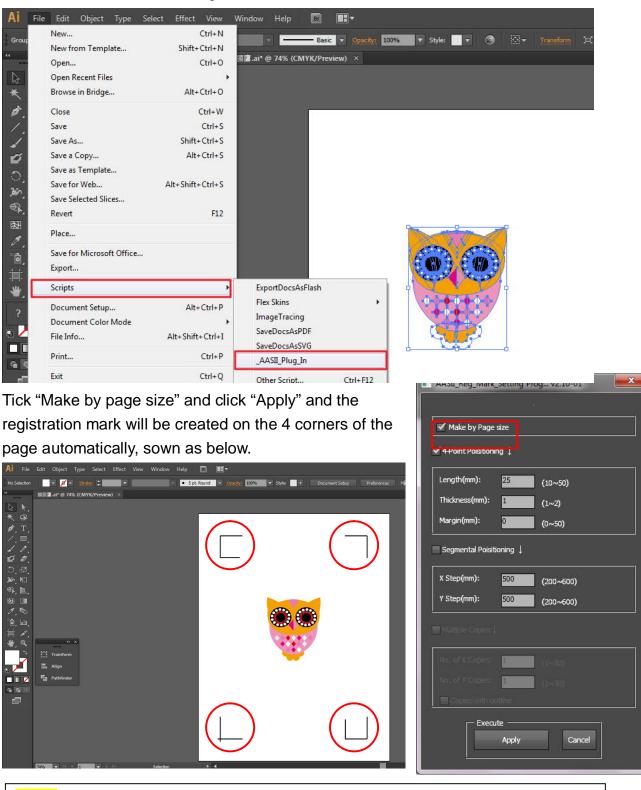
Step 15 Select the cutter model, position the object in the bottom left corner.

Step 16 Your job is now completed.



Add Registration Mark by page size

If you want to create registration mark by page size, select the object, go to "Scripts" under "File" and select "_AASII_Plug_In"



Note:

The length setting will be in the range of 10-50mm according to your page size.



Workable area

It allows users to edit and cut graphics in the area outside the registration marks when adding registration marks by page.

For A4 size media sheet, the workable area is 2.5mm extended from the registration mark on left and right sides and 4.5mm extended from the registration mark on top side. On the bottom side, it is suggested to leave at least 25mm margin from the edge of media sheet to prevent sheets dropping or any error occurred while media sizing.

For A3 size media sheet, the workable area is 10mm extended from the registration mark on the left side, 9mm extended from the registration mark on the right side and 11mm extended from the registration mark on top side. On the bottom side, it is suggested to leave at least 25mm margin from the edge of media sheet to prevent sheets dropping or any error occurred while media sizing.

Print	
Print Pre <u>s</u> et:	Custom
Printer:	JaguarIV-101
PPD:	
Gener	
General	
Marks and bleed	pies: 1 Collate Reverse Order
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	Range: Skip Blank Artboards
Advanced Summary Me	dia
	Size: Defined by Driver
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	tions
Left side Pla	cement: 🎉 X: Opt Y: Opt
	Do Not Scale
Top side Bottom side O	Eit to Page (483.8058%)
	Custo <u>m</u> Scale: <u>W</u> : 100 🕘 <u>H</u> : 100
Origin Right side	Tile Full Pages 👽 Qverlap: 🗘 D pt
	Scale: <u>W</u> : 100 B : 100
	Tile Range:
Priv	nt La <u>v</u> ers: Visible & Printable Layers
Setup	Print Cancel Do <u>n</u> e

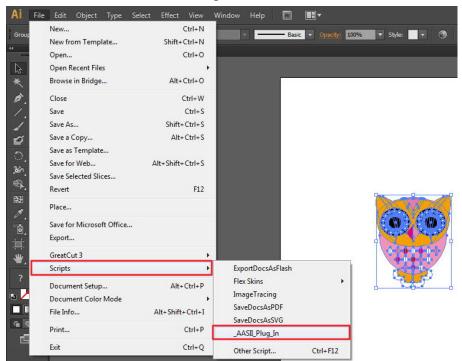
Note: Select "**Edge**" mode when media sizing to allow the media sheet to be unrolled. If you select "**Single**" mode, the media sheet will not be able to be moved back and hence fail to be detected by front paper sensor.



Add Registration Mark by Object

If you add registration mark by Object, you will be offered three options of registration marks.

Firstly, select the graphic which you want to add registration mark on and go to "Scripts" under "File" and select "_AASII_Plug_In".



Make sure to untick "Make by page size" and choose one of the registration mark types whichever is suitable.

AASII_Reg_Mark	Setting Proposition of the setting Propositio	og v2.10-01 📃 🗾
Make by Page	: size	
4 Point Poisition	iing ↓	
Length(mm):	25	(10~50)
Thickness(mm):	1	(1~2)
Margin(mm):	0	(0~50)
Segmental Poisi	tioning ↓	
X Step(mm):	500	(200~600)
Y Step(mm):	500	(200~600)
Multiple Copies	ţ	
No. of X Copies:	1	(1~50)
No. of Y Copies:	1	(1~50)
Copies with o	outline	
Exec	ute	Cancel



Three types of registration marks

4-Point Positioning

 AASII_Reg_Mark_Setting Prog v2.10-01 Make by Page size ✓ 4 Point Poisitioning ↓ Length(mm): 25 (10~50) Thickness(mm): 1 (1~2) Margin(mm): 0 (0~50) Segmental Poisitioning ↓ X Step(mm): 500 (200~600) Y Step(mm): 500 (200~600) 	 4-Point Positioning Length: The length of marks → Range: 5mm~50mm → Optimized Setting: 25mm Thickness: The line thickness of marks → Range: 1mm~2mm → Optimized Setting: 1mm Margin: The distance between marks and images → Range: 0mm~50mm
Multiple Copies 🗼	→ Optimized Setting: 5mm
No. of X Copies: (1~50) No. of Y Copies: (1~50)	
Copies with outline	
Execute Cancel	

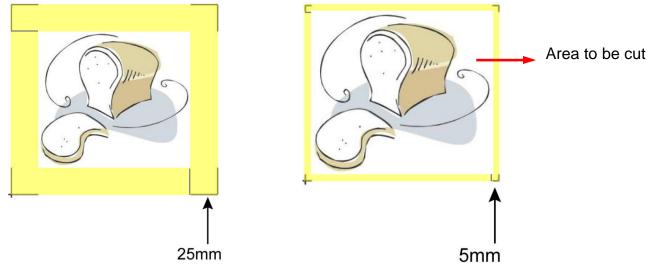
The system will create the 4 marks as shown in the picture below.

AI File	Edit Object Type Select Effect View Window Help		Essentials - 🔎 🔺
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Note:

 To save your materials, in addition to amending object margins, you can also adjust the length of the registration marks (5mm minimum) when you apply 4-Point Positioning (see table 1 for suggestions based on different material sizes). The smaller the size is, the smaller the distance between the object and the registration marks is (see the figures below).



Page size	Suggested mark length
(unit: mm)	(unit: mm)
A6 (105 x 148)	5
A5 (148 × 210)	8
A4 (210 × 297)	11
A3 (297 × 420)	16
A2 (420 × 594)	23
A1 (594 × 841) and above	25*

Table 1

*25mm is the suggested value for the registration mark length

2. The size of the registration marks would affect the accuracy of registration mark detection so please make sure the amount you enter is reasonable.

3. If you change the paper size, you will have to reset the registration marks otherwise the previous setting will be applied.





Segmental Positioning

For precise cutting quality, it is suggested to select "Segmental Positioning" when you are working on an extra long or large-sized image to increase cutting accuracy.

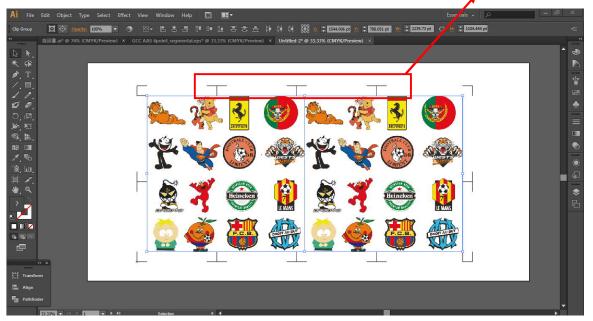
AASII_Reg_Mark	_Setting Pr	og v2.10-01		
			15	
🗹 Make by Page	size			
4 Point Poisitioni	ng ↓			S
Length(mm):	25	(10~50)		•
Thickness(mm):	1	(1~2)		
Margin(mm):	0	(0~50)		
Segmental Poisit X Step(mm):	ioning 1	(200~600)		
Y Step(mm):	500	(200~600)		
No. of X Copies:	1	(1+:50)		
	1			
🕅 Copies with o				
Exec.	ite	Cancel		
1				

Segmental Positioning

- X Step: The distance of intermediate position on the X axis
- Y Step: The distance of intermediate position on the Y axis
 - → Range: 200mm~600mm
 - → Optimized Setting: Less than 500mm

The system will create the marks as shown in the picture below.

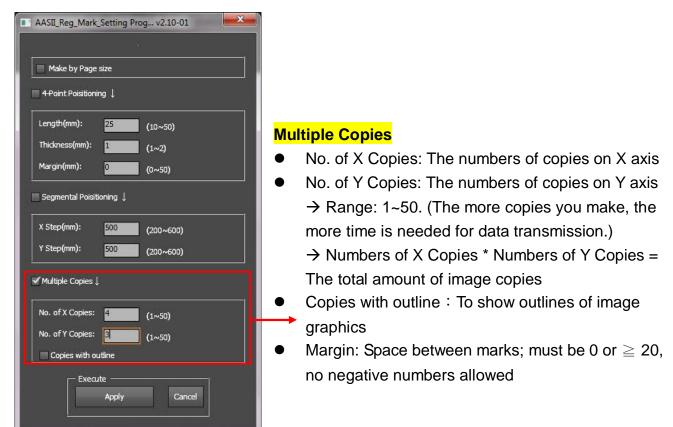
Segmental Positioning



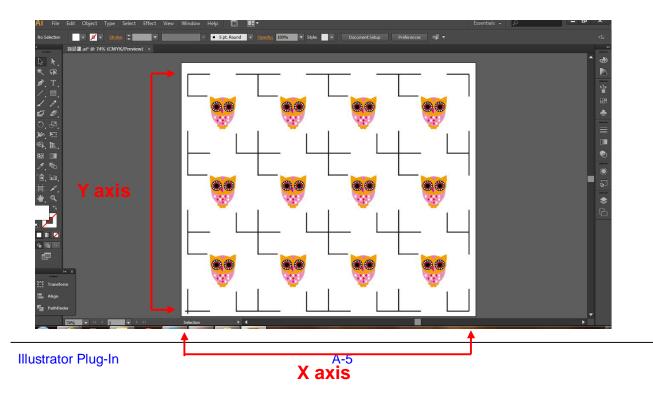


Multiple Copies

It is suggested to select "Multiple Copies" when you would like to make several copies of one image on your material to increase cutting accuracy.



The system will create the as shown in the picture below.



GreatCut Plug-In Instruction

The user manual of GreatCut software is available on the GCC installation DVD.

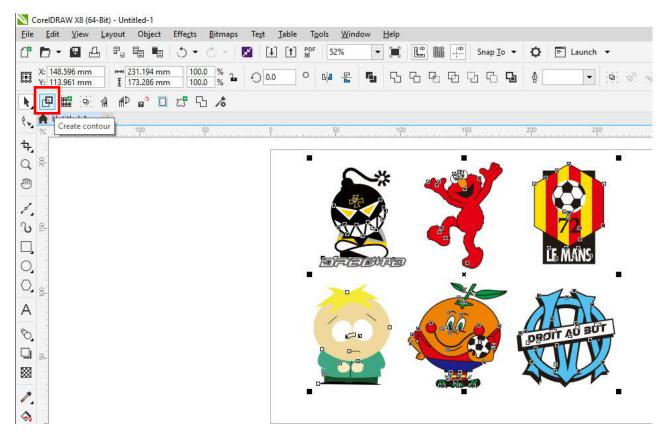
GCC AASII System

Below is a step-by-step instruction of using the AAS function in GreatCut software through CoreIDRAW and Adobe Illustrator.

Edit your image in CoreIDRAW

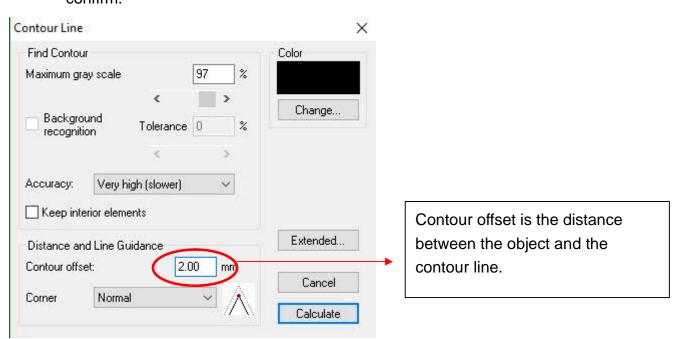
4-Point Positioning

Step 1 Create a new file in CoreIDRAW and click on the Create contour icon on the GreatCut toolbar (it would appear automatically once CoreIDRAW is open).

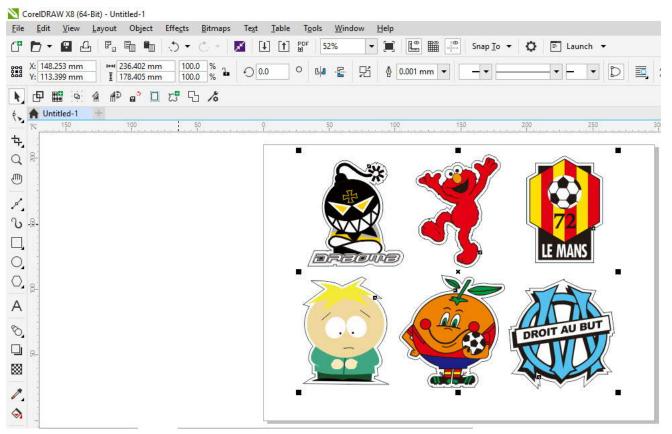




Step 2 Complete contour line settings (including contour offset value) and press Calculate to confirm.



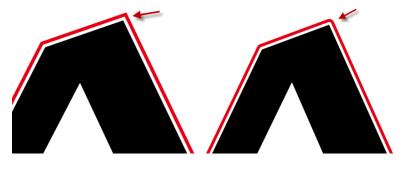
Contour lines will be added to the images.





Tips: Vector object to create round outline

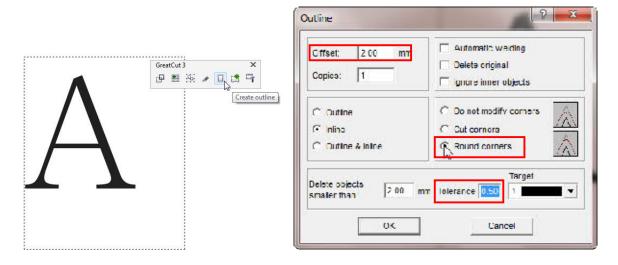
In general for vector objects you will get better results with the outline function. You will see the difference between "Normal" and "Round" in sharp corners. The picture is shown as below:





Round

1. Click the "Create outline" to create contours in a freely definable distance around text objects.



 Select "Round corners" and set the value of "offset" and "tolerance."
 Offset is the value for the distance of the inline and outline from the original object. The field tolerance indicates in which offset from the corner dot is cut respectively rounded.



Step 3 Press the Settings icon on the GreatCut toolbar. CorelDRAW X8 (64-Bit) - Untitled-1 File Edit View Layout Object Effe<u>c</u>ts <u>B</u>itmaps Te<u>x</u>t <u>T</u>able T<u>o</u>ols <u>W</u>indow <u>H</u>elp ▼ 📜 🛄 💭 Snap <u>T</u>o ▼ 🔅 🖹 Launch ▼ ▼ [297.0 mm ▼ ▲ □ □ ₽2]₀0 Units: millimeters ▼ ∲ 0.1 mm + ₽_x 5.0 mm + ₽_y 5.0 mm : I 🕀 A4 N 🗗 🔛 🧐 🔺 🌮 🗗 🖽 😘 🔏 🗞 🔒 Untitled-1 Settings ф, Q 002 ♨ 1 ზ ₽ LE MA NE) О, 0,8 А 8 011 DF *** 1 ۵ < \oplus X 1. 1 >> 10 (-13.108, 218.893) 🔄 \infty

Step 4 Press the button on the right of Jog marks.

Settings			×
	Eurosystems Software:	GreatCut 4 ~	
	Jog marks:	GCC (AAS II)	
	Export Path:		
	Name of layer for Jog Marks:	Regmark	
	Name of layer for Outline:	Outline	
		Output Parameters	
		Show always contour and outline settings 💟	
	During the cu	t process only transfer "Regmark" and "Outline" layer 💟	
		Create new file while cutting	
		Open output dialog while cutting	
		OK Cancel	Ĩ



Step 5 Adjust the size, object margin and line thickness of your registration marks in the Setup-Jog Marks window and click OK.

Setup - Register Marks	×	4-Point Positioning
Type GCC (AAS II) Align to selection Align to working area Size 25.00 mm Object Margin 5.00 mm Line thickness 1.00 mm Max. X distance 600.00 mm Max. Y distance 600.00 mm	Outside corners Output marks (or by pressing Ctrl) Target layer Cancel	 Size: The length of marks → Range: 5mm~50mm → Optimized Setting: 25mm Object margin: The distance between marks and images → Range: 0mm~50mm → Optimized Setting: 5mm Line thickness: the line thickness of marks → Range: 1mm~2mm → Optimized Setting: 1mm

Step 6 Ensure the three items below are selected and click OK.

Settings

Eurosystems Software:	GreatCut 4 🗸 🗸
Jog marks:	GCC (AAS II)
Export Path:	
Name of layer for Jog Marks:	Regmark
Name of layer for Outline:	Outline
	Output Parameters
During the c	Show always contour and outline settings 🔽 cut process only transfer "Regmark" and "Outline" layer 🗹 Create new file while cutting 🖌
	Open output dialog while cutting
	OK Cancel



Step 7 Click the Set Jog Marks icon on the GreatCut toolbar.

📉 CorelDRAW X8 (64-Bit) - Untitled-1



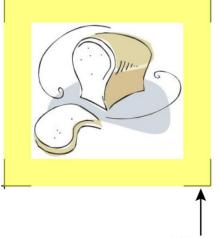
The system will create the 4 marks as shown in the picture below.

CorelDRAW X8 (64-Bit) - Untitled-1 <u>File Edit View Layout Object Effects Bitmaps Text Table Tools Window Help</u> (f) 🗗 🕶 🖪 🗗 📲 👘 🔿 🗸 🖉 🖬 (f) 💕 35% ▼ 📕 🖺 🚝 Snap <u>T</u>o ▼ 🗘 🖺 Launch ▼ ▼ 1297.0 mm ▼ ▲ 297.0 mm ▼ ▲ □ □ □ ₽]₀□ Units: millimeters ▼ ∲ 0.1 mm 다_x 5.0 mm 다_y 5.0 mm \$ - -A3 E. 0 N 🗗 🔛 🛞 🔺 🖓 🗗 🗔 🖽 🖧 🗡 🔨 🔶 Untitled-1 100 뉵, ଛ Q ⊕ 8 1. U 8 0 2 0, Α.... 8 8 88 ⁹⁻ 1. ~

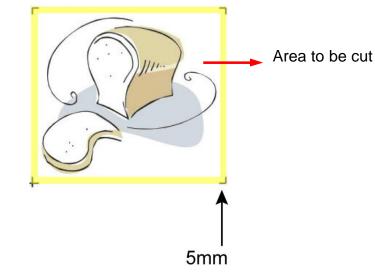


Note:

 To save your materials, in addition to amending object margins, you can also adjust the length of the registration marks (5mm minimum) when you apply the above function(see table 1 for suggestions based on different material sizes). The smaller the size is, the smaller the distance between the object and the registration marks is (see the figures below).



25mm

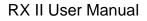


Page size	Suggested mark length
(unit: mm)	(unit: mm)
A6 (105 x 148)	5
A5 (148 × 210)	8
A4 (210 × 297)	11
A3 (297 × 420)	16
A2 (420 × 594)	23
A1 (594 × 841) and above	25*

Table 1

*25mm is the suggested value for the registration mark length

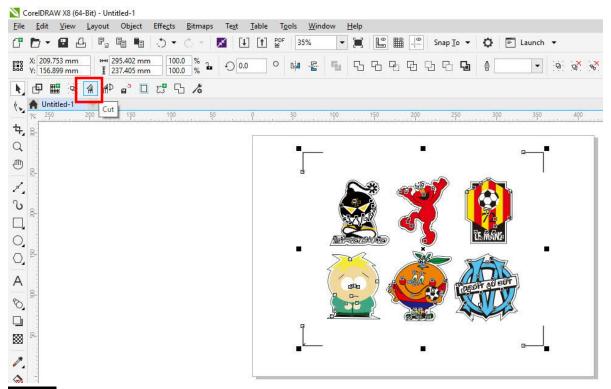
2. The size of the registration marks would affect the accuracy of registration mark detection so please make sure the amount you enter is reasonable.



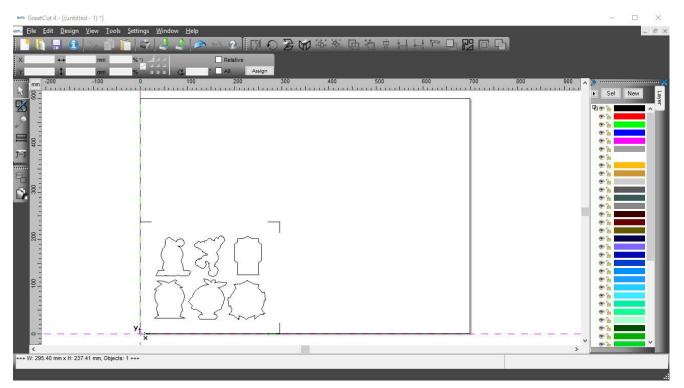


Output

Step 1 Select both the entire object (including registration marks and the contour line) and press the Cut icon on the GreatCut toolbar.



Step 2 The system will activate GreatCut automatically and import the registration marks and contour line to GreatCut.





Step 3 Select Output under File.

œ≓a: Grea	atCut 4 - [(untitle	ed - 1) *]											
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Step 4. Select Cut with AAS in Mode/Tool in the Output to device window.

Device: GCC Jaguar V LX 61 Vode: Cut with AAS Output Profile: Foil Manage Profiles	Number of outputs: 1 Output only tool-assigned layers Number of copies: 1 Keep reference point Stack spacing: 0.00 mm Plot to file Weed border: 2.00 mm Enable tool tips Copies spacing: 0.00 mm Wait after segment	
Parameter AAS Offset origin X [mm] AAS Offset origin Y [mm] Pressure [g]	Complete the settings Offset, Pressure, Spe Material width and so	ed,
Speed [cm/s] Material width [mm] Length [mm] Number of outputs in X-direction	208.43 320.18 1	on.
Number of outputs in Y-direction Distance between copies [mm] Step count	1 10.00 1	
	Accuracy: Normal	~
Job will be segmented!	Origin: New origin Objects: All objects Test drive	~

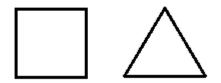


Output				
	GCC Jaguar V LX 61 🗸 🗸	Number of outputs: 1	Output only	tool-assigned lay
Mode:	Cut with AAS \checkmark	Number of copies: 1 Stack spacing: 0.00 m	n Plot to file	
Output Profile:	Foil ~	Weed border: 2.00 m Copies spacing: 0.00 m		segment
	Manage Profiles			Save setti
Parameter		Value		
AAS Offset origin	X [mm]	0.00	Sort before	output
AAS Offset origin		0.00	Actual Setting	. N t
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Speed [cm/s]		50		
Material width [mm	1]	208.43		
Length [mm]	-2	320.18		Sort Options
Number of outputs	s in X-direction	1		
Number of outputs	s in Y-direction	1		
Distance between	copies [mm]	10.00		
Step count		1		
			Accuracy:	Normal
			Origin:	New origin
4			Objects:	All objects
	Job will be segmented!			Test driv



Note: The difference amount <u>Number of outputs</u>, <u>Number of copies</u>, and <u>Step count</u> in the Output window.

utput					
Device:	GCC Jaguar V LX 61	\sim	Number of outputs: 1	Output only	tool-assigned layers
			Number of copies: 1	Keep refer	ence point
Mode:	Cut with AAS	~	Stack spacing: 0.00	Plot to file	
				Enable tool	tips
Output Profile:	Foil	~			
			Copies spacing: 0.00	mm 🗌 Wait after s	segment
	Manage Profiles				Save settings
				_	
Parameter			Value	Sort before	e output
AAS Offset origin	X [mm]		0.00		-
AAS Offset origin	Y [mm]		0.00	Actual Setting	r: ∏1
Pressure [g]			15		ΗŲ
Speed [cm/s]			50		
Material width [mm	1]		208.43		Sort Options
Length [mm]			320.18		Sort Options
Number of outputs	in X-direction		1		
Number of outputs	in Y-direction		1		
Distance between	copies [mm]		10.00		
Step count			1		
				Accuracy:	Normal
					New origin
				origin.	inon origin
				Objects:	All objects
	Job will be	segmented!			Test drive



- 1. When Number of outputs is set as 2, the square and the triangle will be cut 1 time and then the square and the triangle will be cut 1 time at next position.
- 2. When Number of copies is set as 2, the square and the triangle will be cut 2 times at the same position.
- 3. When Step count is set as 2, the square will be cut 2 times at the same position and then the triangle will be cut will be cut 2 times at the same position.

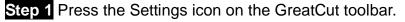


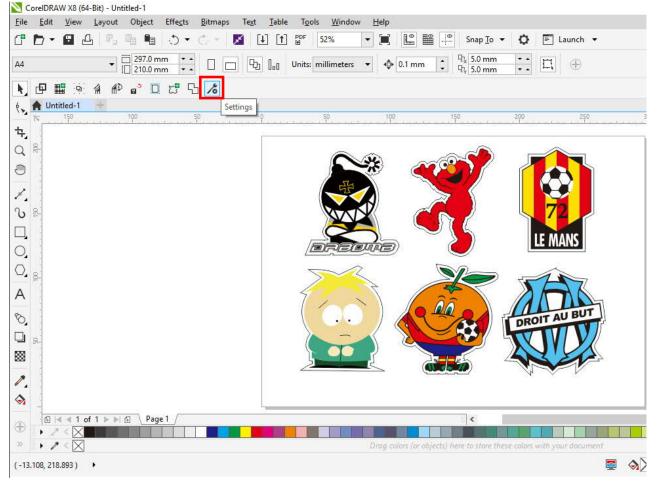
Advanced Settings

Segmental Positioning

For precise cutting quality, it is suggested to apply "Segmental Positioning" by adjusting the x and y distance when you are working on an extra long or large-size image to increase cutting quality.

Follow the same steps in the **4-Point Positioning** section to complete the contour line setting and registration mark creation procedures. Adjust the size, object margin and line thickness of your registration marks and the space between registration marks by changing X, Y distance in the Setup-Jog Marks window and click OK.





2 Press the button on the right of Jog n Settings	narks.
Eurosystems Software:	GreatCut 4 ~
Jog marks:	GCC (AAS II)
Export Path:	
Name of layer for Jog Marks:	Regmark
Name of layer for Outline:	Outline
	Output Parameters
	Show always contour and outline settings
During the cu	t process only transfer "Regmark" and "Outline" layer 💟
	Create new file while cutting
	Open output dialog while cutting
	OK Cancel

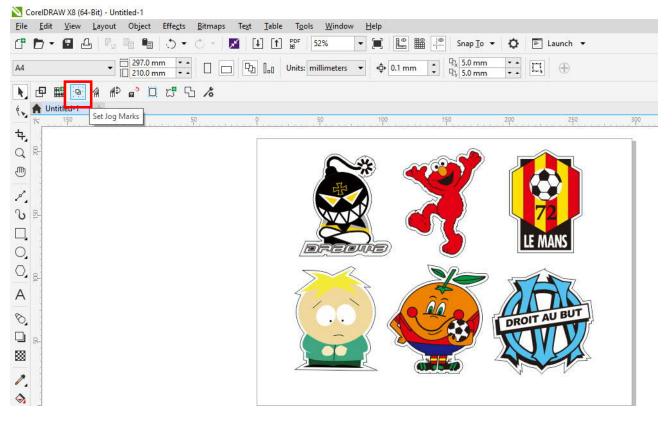
Step 3 Adjust the size, object margin and line thickness of your registration marks in the Setup-Jog Marks window and click OK.

Setup - Register Marks	×	
Type GCC (AAS II) Align to selection Align to working Size Object Margin Line thickness Max. X distance Max. Y distance	Outside corners Output marks (or by pressing Ctrl) Target layer Cancel	 Segmental Positioning Max. x Distance: The distance of intermediate position on the X axis → Range: 200-500 mm Max. y Distance: The distance of intermediate position on the Y axis → Range: 200-500 mm



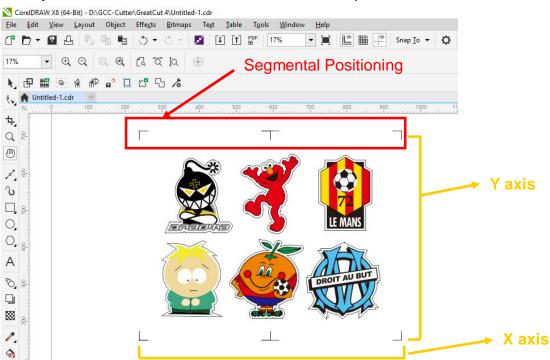
Eurosyste	ms Software: GreatCut 4
	Jog marks: GCC (AAS II)
	Export Path:
Name of layer f	or Jog Marks: Regmark
Name of lay	er for Outline: Outline
	Output Parameters
	Show always contour and outline settings
	During the cut process only transfer "Regmark" and "Outline" layer
	Create new file while cutting

Step 5 Click the Set Jog Marks icon on the GreatCut toolbar.





The system will create the marks as shown in the picture below.



Follow the same steps in the **Output** section to output your image to GCC Cutting Plotter.

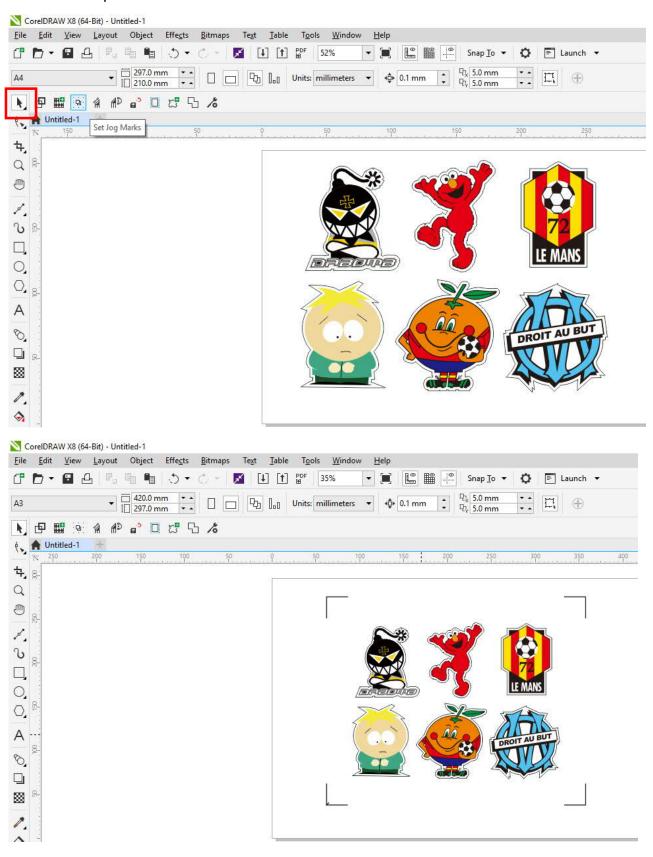
Multi-Copy

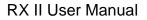
Step 1 Follow the same steps in the **4-Point Positioning** section to complete the contour line setting and registration mark creation procedures.

Setup - Register Marks			×	
Type GCC (AAS II) Align to selectio Align to working Size Object Margin Line thickness Max. X distance		Outside corners		When you apply the "Multiple Copies" function, the value that has been set in this section will still be applied.
Max. Y distance	OK	Cancel	× .	



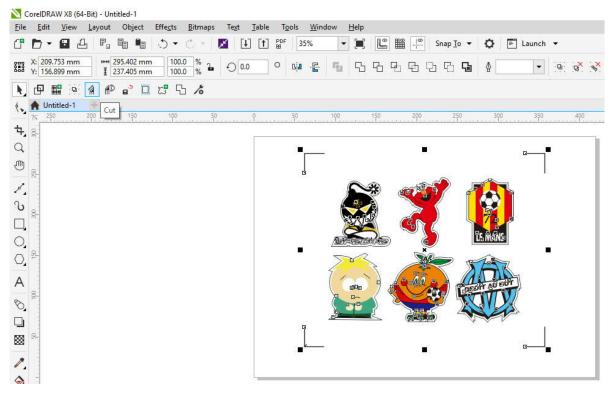
Step 2 Click on the Set Jog Marks icon on the GreatCut toolbar and 4 marks will be created as shown in the picture below.



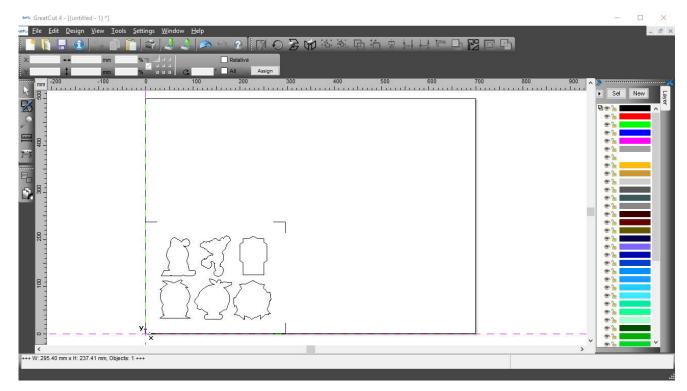




Step 3 Select both the entire object (including registration marks and the contour line) and press the Cut icon on the GreatCut toolbar.



Step 4 The system will activate GreatCut automatically and import the registration marks and contour line to GreatCut.





Step 5 Select Output under File.

File	<u>E</u> dit <u>D</u> esign	<u>V</u> iew <u>T</u> oo
	<u>N</u> ew	Ctrl+N
1	Open	Ctrl+L
Ы	<u>S</u> ave	Ctrl+S
R	Save <u>A</u> s	Shift+Ctrl+S
5	Send by E <u>m</u> ail.	
4	Import	Ctrl+I
1.	E <u>x</u> port	Ctrl+E
-	Print	Ctrl+P
745	Ou <u>t</u> put	S
1	Quit	Ctrl+Q



Step 6 Select Mode as "Cut with AAS" and input the Number of outputs in X-direction and Y-direction and Distance between copies, please don't press output button.

Output				
Device:	GCC i-Craft 👻	Number of outputs:	1	Output only tool-assigned layers
		Number of copies:	1	Keep reference point
Mode:	Cut with AAS 👻	Stack spacing:	5.00 mm	Plot to file
		Weed border:	2.00 mm	 Enable tool tips Disable sending of technology data
Output Profile:	Foil	Copies spacing:	2.00 mm	Wait after segment
	Manage Profiles	Segment spacing:	0.00 mm	Save settings
		10-10-10-10-10-10-10-10-10-10-10-10-10-1		
Parameter		Value		Sort before output
AAS Offset origin AAS Offset origin		0.00		Ot.
Pressure [g]	r fund	80		Actual Setting:
Speed [cm/s]		21		Search for best Sort Method
Material width [mm	1	208.43		
Length [mm]		320.18		Sort Options
Number of outputs	in X-direction	2		
Number of outputs	in Y-direction	2		
Distance between	copies [mm]	0.00		
Step count		1		
				Accuracy: Normal
				Origin: New origin
				Objects: Selected objects
	Job will be segmented!			Test drive
Previ	iew Output	Read m	aterial	Cancel

Step 7 Back to CoreIDRAW, Click Multi-Copy on GreatCut under File.

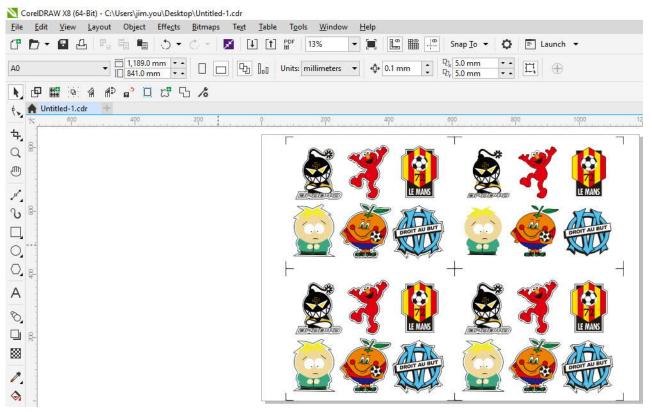
N,	d 19	9	1	1	e ³		23	5	10	
ę.,	A Untitle	Multi	-Cop	y	-					
	15		T .		250	. See.	200		150	



Step 8 Complete the Number in X/Y (the number of copies desired on the X/Y axis) and Distance in X/Y (distance between each copy) settings then click OK. Confirm that the value of Distance in X/Y must be the same with step 6.

2	4
2	
2	÷
0.00	🜩 mm
Q	😫 mm
Distance to object	\sim
	2 0.00 0

- Note: The spacing of vertical & horizontal (Offset X & Y) should be ≥ 20mm or = 0mm; users are advised to set the Distance in X/Y as 0 mm to remove the space between each copy to avoid the waste of materials.
- Step 9 The system will create several copies of the object with registration marks as shown in the picture below.





Step 10 Print the Multi-Copy images out, and put the printed media on the GCC cutting plotter.

<u>F</u> ile	Edit	<u>V</u> iew	Layout	Ob
-	New		Ctrl+1	N
€0	New from	Temp	late	
	Open		Ctrl+(C
	Open Rec	ent		
××	<u>Close</u>			
Ę	Close All			
Ŧ	Save		Ctrl+	s
6	Save As		Ctrl+Shift+	S
8	Save as Te	mplat	e	
മ്	Revert			
	Ac <u>q</u> uire In	nage		•
×	Search Co	ntent		
ţ.	Import		Ctrl+	-1
t	Export		Ctrl+	E
	Export Fo	<u> </u>		•
	Sen <u>d</u> To			•
PDF	Publis <u>h</u> to	PDF		
g	<u>P</u> rint		Ctrl+	Р
	Print Merg	le		۲
2	P <u>r</u> int Previ	ew		
	Collect Fo	r O <u>u</u> tp	ut	
7	Document	Prop	erties	
d b	Exit		Alt+F	

Step 11 Go to GreatCut window, press Output button.

utput							
Device:	GCC i-Craft 👻	Number of out	outs:	ī.	Output only tool-assigned la	yers	
		Number of co	pies:	1	Keep reference point		
Mode:	Cut with AAS 👻	Stack spacin	g: 5.00	0 mm	Plot to file		
		Weed border	2.00) mm	Enable tool tips		
Output Profile:	Foil				Disable sending of technolog	gy data	
		Copies spa		mm	Wait after segment		
	Manage Profiles	Segment spa	cing: 0.00) mm	Save set	tings	
Parameter			alue		V Sort before output		
AAS Offset origin		0.00			0+		
AAS Offset origin	Y [mm]			_	Actual Setting:	g:	
Pressure [g]		80			Search for best Sort Method		
Speed [cm/s]		21			Search for best Sort Method	1	
Material width [mr	n]	208.43			Sort Options		
Length [mm]		320.18					
Number of output			2	-			
Number of output			2	-			
Distance betweer	i copies (mm)		1.00				
Step count			1				
					Accuracy: Normal		
					Origin: New origin		
					Ungin. Inew Ungin		
					Objects: Selected object	S	
	Job will be segmented!				Test dri	ive	



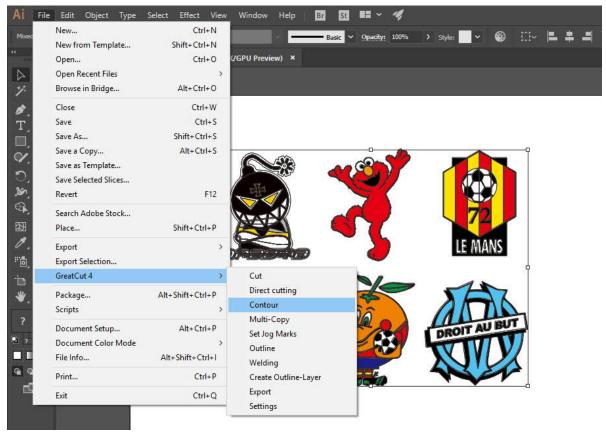
Edit your image in Adobe Illustrator

4-Point Positioning

Step 1 Create a new file in Adobe Illustrator.



Step 2 Select the image and go to Contour in GreatCu in File.





Step 3 Complete contour line settings (including contour offset value) and press Calculate to confirm.

Find Contour	Color	
Maximum gray scale 97 %	Change	
Accuracy: Very high (slower) Keep interior elements Distance and Line Guidance	Extended	Contour offset is the distance between the object and the
Contour offset:	Cancel Calculate	Contour line.

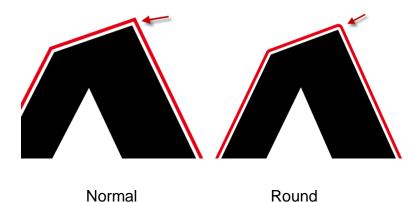
Contour line is now added to the object.





Tips: Vector object to create round outline

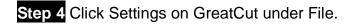
In general for vector objects you will get better results with the outline function. You will see the difference between "Normal" and "Round" in sharp corners. The picture is shown as below:



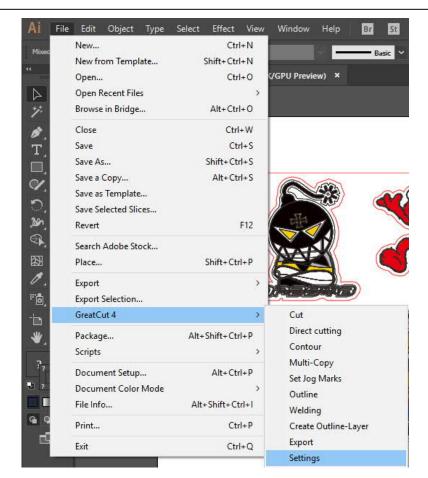
1. Select the "Outline" in GreatCut option under File to create contours in a freely definable distance around text objects.

			Outline		
			Offset: 2.00 mm Copies: 1	Automatic welding Delete original Ignore inner objects	
GreatCut 4	>	Cut		C Do not modify corners	
Package	Alt+Shift+Ctrl+P	Direct cutting	C Outline	C Do not modify corners	
Scripts	>	Contour	(Inline	C Cut corners	
Document Setup	Alt+Ctrl+P	Multi-Copy Set Jog Marks	C Outline & Inline		
Document Color Mode	>	Outline			
File Info	Alt+Shift+Ctrl+I	Welding	Delete objects	Target	
Print	Ctrl+P	Create Outline-Layer	smaller than: 12.00 m		
Exit	Ctrl+Q	Export Settings	ОК	Cancel	

 Select "Round corners" and set the value of "offset" and "tolerance."
 Offset is the value for the distance of the inline and outline from the original object. The field tolerance indicates in which offset from the corner dot is cut respectively rounded.







Step 5 Press the button on the right of Jog marks.

Settings	×
Eurosystems Software:	GreatCut 4 🗸 🗸
Jog marks:	GCC (AAS II)
Export Path:	
Name of layer for Jog Marks:	Regmark
Name of layer for Outline:	Outline
	Output Parameters
	Show always contour and outline settings
During the c	ut process only transfer "Regmark" and "Outline" layer 🔽
	Create new file while cutting
	Open output dialog while cutting
	OK Cancel



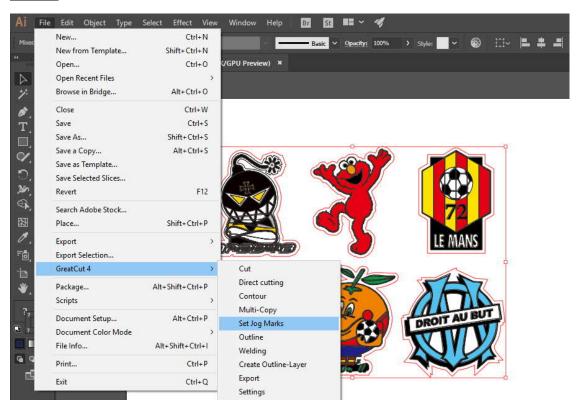
Step 6 Adjust the size, object margin and line thickness of your registration marks and click OK.

Setup - Register Marks	;	>	4-Point Positioning	
Type GCC (AAS II Align to selecti Align to workin) ~ on		 Size: The length of marks → Range: 5mm~50mm → Optimized Setting: 25m Object margin: The distant 	nm nce
Size Object Margin Line thickness Max. X distance Max. Y distance	25.00 mm 5.00 mm 1.00 mm 600.00 mm 600.00 mm	Outside corners Output marks (or by pressing Ctrl) Target layer Cancel	 between marks and image → Range: 0mm~50mm → Optimized Setting: 5m Line thickness: the line the of marks → Range: 1mm~2mm → Optimized Setting: 1mm 	ım nickness

Step 7 Ensure the three items below are selected and click OK.

Settings			j.
	Eurosystems Software:	GreatCut 4 ~	
	Jog marks:	GCC (AAS II)	()
	Export Path:		
	Name of layer for Jog Marks:	Regmark	
	Name of layer for Outline:	Outline	
		Output Parameters	
	During the cut p	Show always contour and outline settings 🗹 at process only transfer "Regmark" and "Outline" layer 🗹 Create new file while cutting 🖌	
	Bennandesseennandesseenna	Open output dialog while cutting	
		OK Cancel	





Step 8 Click Set Jog Marks on GreatCut under File.

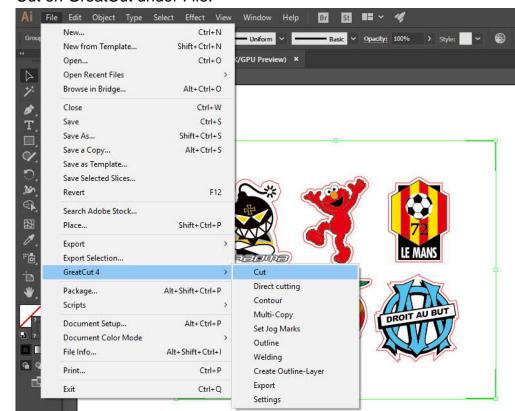
The system will create the 4 marks as shown in the picture below.



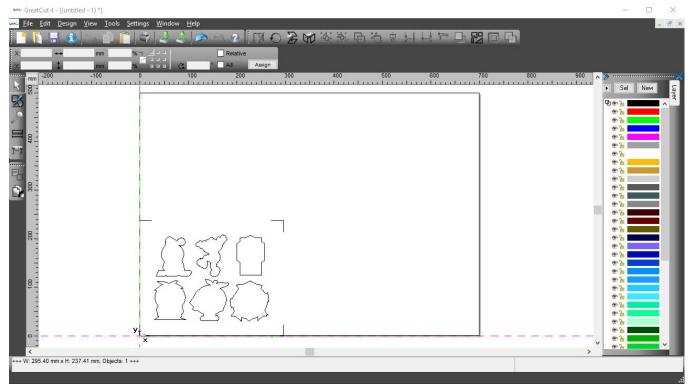


Output

Step 1 Select both the entire object (including registration marks and the contour line) then click Cut on GreatCut under File.



Step 2 The system will activate GreatCut automatically and import the registration marks and contour line to GreatCut.





Step 3 Select Output under File.

<u>N</u> ew	n <u>V</u> iew <u>T</u> ools <u>S</u> Ctrl+N 🎦	ettings <u>W</u> indow	Help
Open	Ctrl+L		Relative
Save	Ctrl+S	° ⊒	
, 🔣 Save <u>A</u> s	Shift+Ctrl+S	0	100 200
Send by Emai	L 4		
Import	Ctrl+l		
Export	Ctrl+E		
erint	Ctrl+P		
™ Ou <u>t</u> put	S		
Quit	Ctrl+Q		

Step 4 Select Cut with AAS in Mode/Tool in the Output to device window.

Device:	GCC Jaguar V LX 61 🗸 🗸	Number of outputs: 1	Output only	r tool-assigned layers ence point	
Mode:	Cut with AAS ~	Stack spacing: 0.00 mm	Plot to file		
Output Profile:	Foil ~	Weed border: 2.00 mm Copies spacing: 0.00 mm	Wait after :	seament	
	Manage Profiles			Save settings	
Parameter		Value	Sort before	e output	
AAS Offset origin	X [mm]	0.00	Actual Setting:		
AAS Offset origin	i Y [mm]	0.00			
Pressure [g]		15	-	t.se	
Speed [cm/s] 50					
Material width [mr	nj	208.43	Sort Options		
Length (mm) Number of output:	e in Y direction	320.16			
Number of output		1	1		
Distance betweer		10.00			
Step count		1			
			-		
			-		
			Accuracy:	Normal	
			Origin:	New origin	
			Objects:	All objects	
	Job will be segmented!			Test drive	



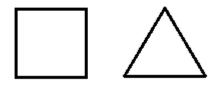
Output				
Device	GCC Jaguar V LX 61 V	Number of outputs: 1 Number of copies: 1	Output only	v tool-assigned layers ence point
Mode	Cut with AAS ~	Stack spacing: 0.00 mr	Plot to file	
Output Profile:	Foil 🗸	Weed border: 2.00 mr Copies spacing: 0.00 mr		segment
	Manage Profiles			Save settings
Parameter	1994	Value	Sort before	e output
AAS Offset origin	X [mm]	0.00		
AAS Offset origin	Y [mm]	0.00	Actual Setting	r Nî
Pressure [g]		₩ U		
Speed [cm/s]				
Material width [mm] 208.43				Sort Options
Length [mm]		320.18		Son Options
Number of output	s in X-direction	1		
Number of output	s in Y-direction	1		
Distance between	n copies [mm]	10.00		
Step count		11		
			Accuracy:	Normal
			Origin:	New origin
			Objects:	All objects
	Job will be segmented!			Test drive

Step 5 Click output and the object will be sent to GCC Cutting Plotter



Note: The difference amount <u>Number of outputs</u>, <u>Number of copies</u>, and <u>Step count</u> in the Output window.

utput						
Device: GCC Jaguar V LX 61 🗸 🗸		Number of outputs:	1	Output only	tool-assigned layers	š
		Number of copies:	1	Keep refere		
Mode:	Cut with AAS \sim	Stack spacing:	0.00 mm	Plot to file		
				Enable tool	tips	
Output Profile:	Foil 🗸	Weed border:	2.00 mm			
		Copies spacing:	0.00 mm	Wait after s	egment	
	Manage Profiles				Save settings	
arameter		Value				
AS Offset origin	X [mm]	0.00		Sort before output		
AS Offset origin		0.00	10000		n n t	
ressure [g]	2001 (MARTIN)	15			⁺ <mark>¦U</mark>	
Speed [cm/s]		50	50			
Material width [mm] 208.43				Sad Options		
ength [mm]		320.18	320.18		Sort Options	
lumber of outputs	in X-direction	1	1			
lumber of outputs	in Y-direction	1				
)istance betweer	copies [mm]	10.00				
Step count		1				
				Accuracy:	Normal	
				Origin:	New origin	
				Objects:	All objects	
	Job will be segmented!				Test drive	



- 1. When Number of outputs is set as 2, the square and the triangle will be cut 1 time and then the square and the triangle will be cut 1 time at next position.
- 2. When Number of copies is set as 2, the square and the triangle will be cut 2 times at the same position.
- 3. When Step count is set as 2, the square will be cut 2 times at the same position and then the triangle will be cut will be cut 2 times at the same position.



Advanced Settings

Segmental Positioning

For precise cutting quality, it is suggested to apply "Segmental Positioning" by adjusting the x and y distance when you are working on an extra long or large-size image to increase cutting quality.

Follow the same steps in the 4-Point Positioning section to complete the contour line setting and registration mark creation procedures. Adjust the size, object margin and line thickness of your registration marks and the space between registration marks by changing X, Y distance in the Setup-Jog Marks window and click OK.



Step 1 Click Settings on GreatCut under File.

File Edit Object Type	Select Effect View	Window Help Br
New	Ctrl+N	Basi
New from Template	Shift+Ctrl+N	
Open	Ctrl+O	(/GPU Preview) ×
Open Recent Files	>	
Browse in Bridge	Alt+Ctrl+O	
Close	Ctrl+W	
Save	Ctrl+S	
Save As	Shift+Ctrl+S	
Close Save Save As Save a Copy Save as Template Save Selected Slices Revert	Alt+Ctrl+S	
Save as Template		
Save Selected Slices		
Revert	F12	
Search Adobe Stock		
Place	Shift+Ctrl+P	
Export	>	
Export Selection		
GreatCut 4	>	Cut
Package	Alt+Shift+Ctrl+P	Direct cutting
Scripts	>	Contour
Document Setup	Alt+Ctrl+P	Multi-Copy
Document Color Mode	>	Set Jog Marks
File Info	Alt+Shift+Ctrl+I	Outline
Print	Ctrl+P	Welding Create Outline-Layer
		Export
Exit	Ctrl+Q	Settings



X

Step 2 Press the button on the right of Jog marks.

Settings

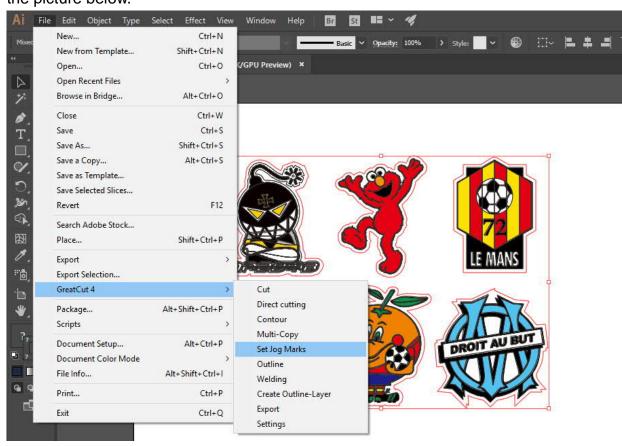
ware: GreatCut 4 V
narks: GCC (AAS II)
Path:
Marks: Regmark
utline: Outline
Output Parameters
Show always contour and outline settings
the cut process only transfer "Regmark" and "Outline" layer 🔽
Create new file while cutting
OK Cancel

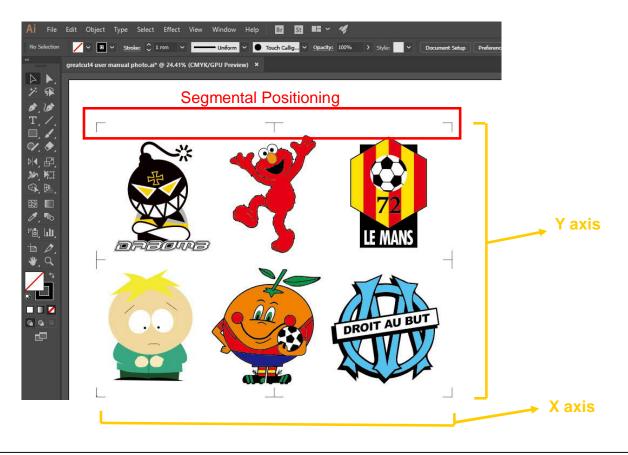
Step 3 Adjust the size, object margin and line thickness of your registration marks and click OK.

Setup - Register Marks		×	
Type GCC (AAS II)	~		
Align to selection			Segmental Desitioning
O Align to working	g area		Segmental Positioning
Size	25.00 mm		• Max. x Distance: The distance of
Object Margin	5.00 mm	Outside corners	intermediate position on the X axis
Line thickness	1.00 mm	Output marks (or by pressing Ctrl)	→ Range: 200-500 mm
Max. X distance	600.00 mm		Max. y Distance: The distance of
Max. Y distance	600.00 mm	Target layer 1. Target V	intermediate position on the Y axis
	ок	Cancel	→ Range: 200-500 mm



Step 4 Select the Set Jog Marks on GreatCut under File and 4 marks will be created as shown in the picture below.

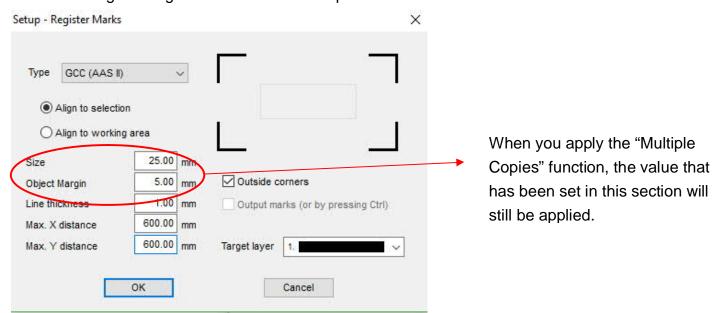




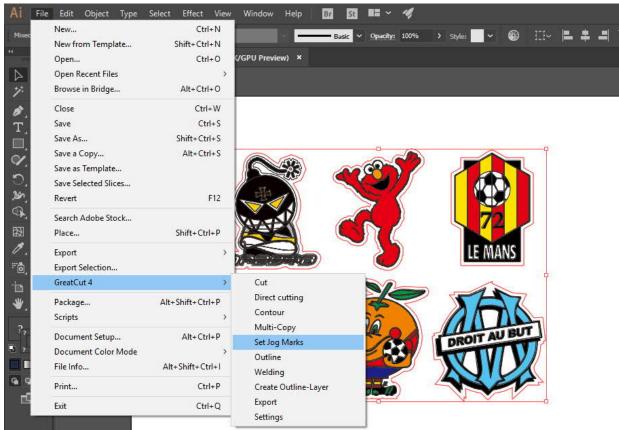


Multi-Copy

Step 1 Follow the same steps in the **4-Point Positioning** section to complete the contour line setting and registration mark creation procedures.



Step 2 Select the Set Jog Marks on GreatCut under File and 4 marks will be created as shown in the picture below.



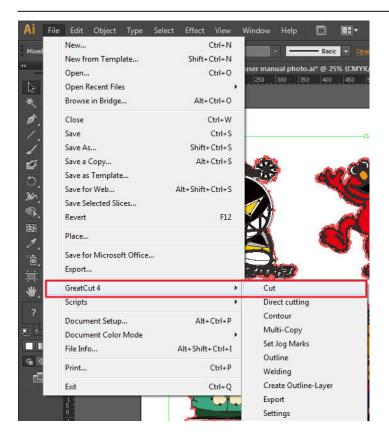




Step 3 Select both the entire object (including registration marks and the contour line) then click Cut on GreatCut under File.







Step 4 The system will activate GreatCut automatically and import the registration marks and contour line to GreatCut.





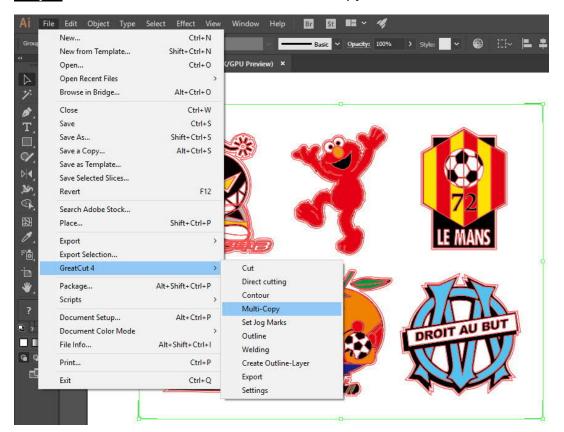
Step 5 Select Output under File.

File	<u>E</u> dit <u>D</u> esign	<u>V</u> iew <u>T</u> ools
	<u>N</u> ew	Ctrl+N
1	Open	Ctrl+L
ы	<u>S</u> ave	Ctrl+S
R	Save <u>A</u> s	Shift+Ctrl+S
C	Send by E <u>m</u> ail.	
-	Import	Ctrl+I
1	E <u>x</u> port	Ctrl+E
4	Print	Ctrl+P
745	Ou <u>t</u> put	S
h	Quit	Ctrl+Q

Step 6 Select Mode as "Cut with AAS" and input the Number of outputs in X-direction and Y-direction and Distance between copies, please don't press output button.

tput to device GC	C i-Craft	-	-				?
Dutput							
Device:	GCC i-Craft 👻	Number of o	utputs:	1		Output only	tool-assigned layers
		Number of c	opies:	1		Keep refer	ence point
Mode:	Cut with AAS 👻	Stack spac	ing:	5.00	mm	Plot to file	
		Weed bord	er:	2.00	mm	Enable tool	
Output Profile:	Foil		723 	2.00			iding of technology data
		Copies s	a succession of the			Wait after	segment
	Manage Profiles	Segment sp	acing:	0.00	mm		Save settings
Parameter	V Issial		Value 0.00			Sort before	output
AAS Offset origin AAS Offset origin			0.00			A sharel On W	D†
Pressure [q]	, fund		80			Actual Setting	" <mark> </mark> U
Speed [cm/s]			21			Search for	best Sort Method
Material width [mm	1]		208.43				
Length [mm]			320.18				Sort Options
Number of outputs	in X-direction		2				
Number of outputs	in Y-direction		2				
Distance between	copies [mm]	5	0.00				
Step count			1				
						Accuracy:	Normal
							New origin
					_	-	
						Objects:	Selected objects
	Job will be segmented!						Test drive
Previ	iew Output		Read mat	terial	Ť	Γ	Cancel
		-			-	L	





Step 7 Back to Adobe Illustrator, Click Multi-Copy on GreatCut under File.

Step 8 Complete the Number in X/Y (the number of copies desired on the X/Y axis) and Distance in X/Y (distance between each copy) settings then click OK. Confirm that the value of Distance in X/Y must be the same with step 6.

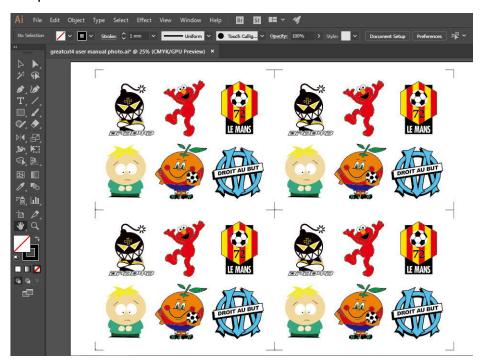
Number in X	2	+
Number in Y	2	÷
Distance in X	0.00	🚔 mm
Distance in Y	0	
	Distance to object	~

Note: The spacing of vertical & horizontal (Offset X & Y) should be ≥ 20mm or = 0mm; users are advised to set the Distance in X/Y as 0 mm to remove the space between each copy to avoid the waste of materials.

1



Step 9 The system will create several copies of the object with registration marks as shown in the picture below.



Step 10 Print the Multi-Copy images out, and put the printed media on the GCC cutting plotter.



ile	Edit Object Type	Select	Effect	View
	New		1	Ctrl+N
	New from Template		Shift+	Ctrl+N
	Open		10	Ctrl+0
	Open Recent Files			•
	Browse in Bridge		Alt+	Ctrl+O
	Close			Ctrl+W
	Save			Ctrl+S
	Save As		Shift+	Ctrl+S
	Save a Copy		Alt+	Ctrl+S
	Save as Template			
	Save for Web	A	lt+Shift+	Ctrl+S
	Save Selected Slices			
	Revert			F12
	Place			
	Save for Microsoft Office.			
	Export			
	GreatCut 4			•
	Scripts			•
	Document Setup		Alt+	Ctrl+P
	Document Color Mode			•
	File Info	А	lt+Shift+	Ctrl+I
	Print			Ctrl+P
	Exit			Ctrl+Q

Step 11 Go to GreatCut window, press Output button.

RX II User Manual

utput	[]					
Device:	GCC i-Craft 🗸	N	lumber of outputs:	1		Output only tool-assigned layers
Mode:	Cut with AAS		Number of copies:	1		Keep reference point Plot to file
mode.			Stack spacing:	5.00	mm	Enable tool tips
Output Profile:	Foil		Weed border:	2.00	mm	Disable sending of technology data
			Copies spacing:	2.00	mm	Wait after segment
	Manage Profiles		Segment spacing:	0.00	mm	Save settings
Parameter			Value			Sort before output
AAS Offset origin	X [mm]		0.00			
AAS Offset origin	Y [mm]		0.00			Actual Setting:
Pressure [g]			80			+U
Speed [cm/s]			21			Search for best Sort Method
Material width [mn	n]		208.43			Sort Options
Length [mm]			320.18			Sort Options
Number of outputs			2			
Number of outputs			2			
Distance betweer	n copies [mm]		0.00		_	
Step count			1			
						(Line of the second sec
					_	Accuracy: Normal
						Origin: New origin
						Objects: Selected objects
	Job will be segmented	1				Test drive

GCC....



SignPal 12 Instruction

The SignPal 12 Software is Windows System compatible and all versions support the AAS II contour cutting function.

SignPal 12 Instruction Index:

- [1] Installing the SignPal 12 software
- [2] Set up your GCC Cutter on Production Manager
- [3] SignPal AAS II Quick Start
- [4] SignPal 12 Features List

[1] Installing the SignPal 12 software

To install the software, you must have Administrator privileges. To use the software, you must have Administrator or Power User privileges. See your Windows user guide for more information.

- 1. Uninstall any previous version of the software.
- Go to GCC Club (<u>http://gccf.gcc.com.tw/gccclub/login.aspx</u>) and login, and select Drivers > Cutter > Others > SignPal 12 to download the WinRAR file.

GCC	Welcome : GCC		
🕄 Tech Support			
Drivers	O Drivers		
User Manual	Below you will fin	d drivers for GCC cutting plotters	s and ID card printers. Simply choose from
Clipart Download			on. As to laser engraving/cutting/marking I distributors for further assistance.
Product Video		NAU ANNA	
Showcase	Step 1	Step 2	Step 3
Product Registration	Cutter	▼ Others ▼	· •
GCC Bonus Credit North America)	Please note		GreatCut 3 v16.0.10 SignPal 10.5.1 SignPal 12
	To ensure the corr	iver(s) version might cause probl ect version on your system, plea you update your system.	
			Download

3. Follow the installation and activation instruction for SignPal 12 below.



(1) Install and activate software on an online computer

1. Launch your browser and type <u>https://www.saicloud.com</u> in address bar and press enter, then input your activation code, then click **Activate**, activation code can be found in the code label in software package.

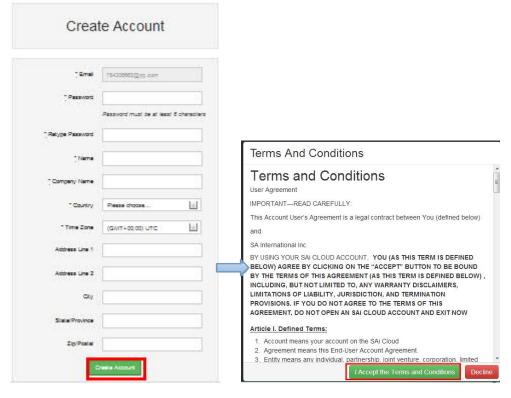
Please enter the activa	tion code that accompanied your software purchase.
Activation Code	5H4LALIJCZHTTW37YZDU

2. In login section, click I am new to the SAi Cloud and input your email address, then click Create Account, an email will be sent to your mailbox.

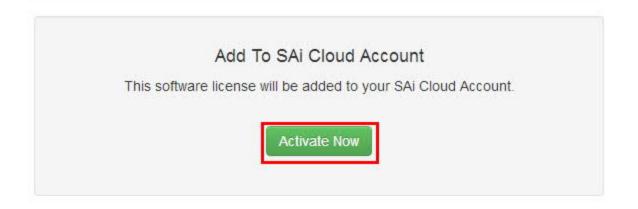
eate A Free SAi Cloud Account
 I am a returning customer I am new to the SAi Cloud
your email address to get started. rtant: The email address you select for Ai Cloud account will be the owner of oftware. It will be used for all SAi are services. It is recommended you permanent business email address.
784306662@qq.com Create Account



3. Check your mailbox and click website link in the email then complete the information fields.

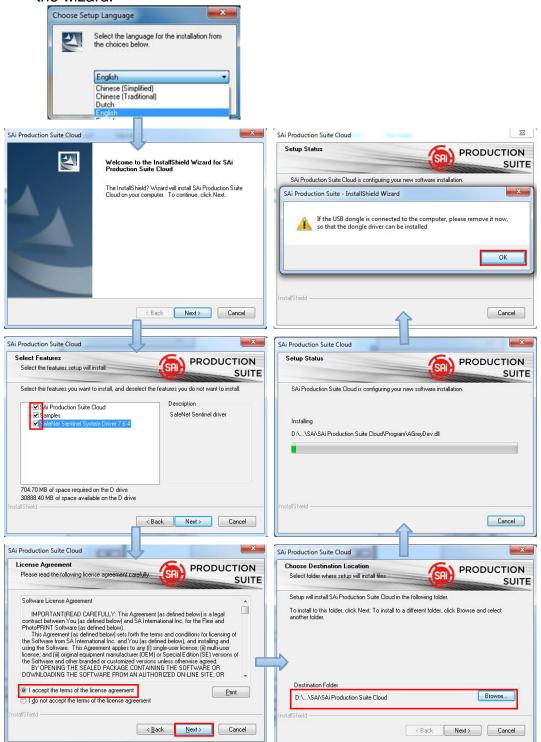


Step 2. Add Software to your SAi Cloud Account



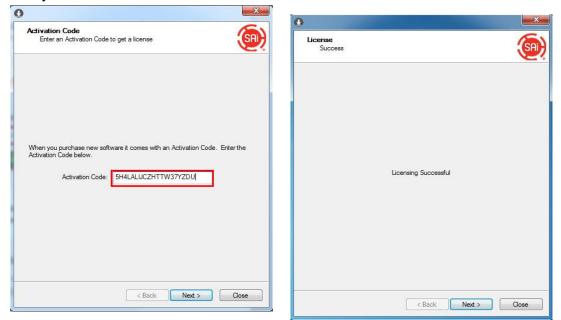


4. Open **Autorun** in the WinRAR file. Then install software step by step by following the wizard.





5. Paste your code into activation code field.



6. Select language you need, click **OK** and finish installation.

Product:	PhotoPRINT SERVER-PRO Cloud
Language:	English 💌
	to desktop
Clear A	Application's previous preferences

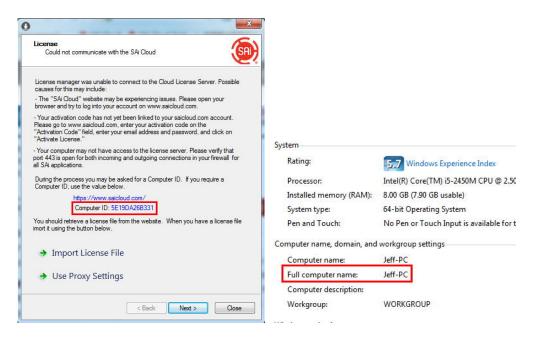


(2) Install and activate software on an offline computer 1. Open Autorun in the WinRAR file. Then install software step by step by following the wizard.

Choose Setup Language Select the language for the installation from the choices below. English Chinese (Simplified) Chinese (Traditional) Dutch English English	
SAi Production Suite Cloud	SAi Production Suite Cloud
Welcome to the InstallShield Wizard for SAi Production Suite Cloud	Setup Status PRODUCTION SUITE
The InstallShield? Wizard will install SAi Production Suite	SAi Production Suite Cloud is configuring your new software installation.
Cloud on your computer. To continue, click Next.	SAi Production Suite - InstallShield Wizard
< Back Next> Cancel	InstallShield
SAi Production Suite Cloud	SAi Production Suite Cloud
License Agreement Please read the following license agreement carcivity Production Software License Agreement IMPORTANT(READ CAREFULLY: This Agreement (as defined below) is a legal contract between You (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) sets forth the terms and conditions for licensing of the Software and other bender do customer to any (1) angle user license; (ii) multi-user license: and (iii) original equipment manufacture (DEM) or Special Edition (SE) versions of BY OPENING THE SEALED PACKAGE CONTAINING THE SOFTWARE OR DOWNLOADING THE SOFTWARE FROM AN AUTHORIZED ON-LINE SITE. OR I accept the terms of the license agreement I gl not accept the terms of the license agreement InstallSheid	Setup Status PRODUCTION SUITE SAI Production Suite Cloud is configuring your new software installation. Installing D:\\SAI\SAI Production Suite Cloud\Program\AGreyDev.dl InstallShield Cancel
SAi Production Suite Cloud	SAi Production Suite Cloud
Choose Destination Location Select folder where setup will install files.	Select the features setup will instal SUITE
Setup will install SAi Production Suite Cloud in the following folder.	Select the features you want to install, and deselect the features you do not want to install.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder. Destination Folder D:\\SAi\SAi Production Suite Cloud	VI 9 Ai Production Suite Cloud Description VI 9 amples SafeNet Sentinet driver VI 9 steller Sentinet System Driver 7.6.4 SafeNet Sentinet driver 704.70 MB of space required on the D drive 30688.40 MB of space required on the D drive
InstallShield	InstallShield
<back next=""> Cancel</back>	< Back Next> Cancel



2. Record your computer ID in the dialog box below and look up your computer name, You can find your computer name by right-click on **My Computer** and choose **Properties.**



3. Launch your browser on another online computer and type https://www.saicloud.com in the address bar and press enter, then input your activation code and click **Activate**.

The Activation code can be found in the software package certificate.

n code that accompanied your software purchase
n code that accompanied your software purchase

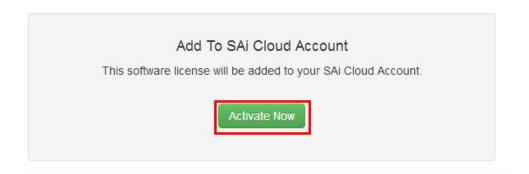


4. In login section, click I am new to the SAi Cloud and input your email address, then click Create Account, an email will be sent to your mailbox.

C	reate A Free SAi Cloud Account I am a returning customer am new to the SAi Cloud
Impo this the s softw	r your email address to get started. ortant: The email address you select for SAi Cloud account will be the owner of oftware. It will be used for all SAi vare services. It is recommended you a permanent business email address.
	784306662@qq.com Create Account

5. Check your mailbox and click website link in the email then complete the information fields.

Step 2. Add Software to your SAi Cloud Account



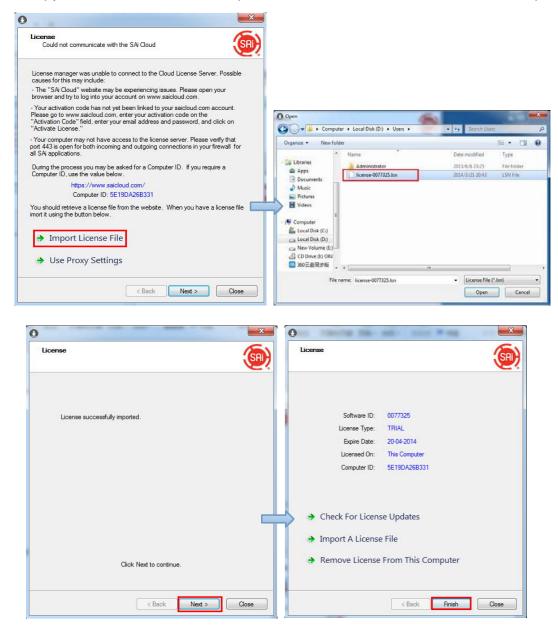


6. Click "License Manager" can't connect and input your computer ID and computer name that you recorded for the offline computer before, then click Create license Now and Download License, save license file to local.

Step 1 - Download	
Clicking on the download button below will download	a small application. Run the application to do
Download Now	
Step 2 - Install	
Once the download is complete, run the installer. The application.	e final step in the install process will run a "Lic
Step 3 - License	
The "License Manager" application will ask for an act	tivation code. Use the activation code below to
QTP5NDB8FXYUXGXHLTA6	
"License Manager" can't connect?	
Create License	Current Install
Go Back	Computer ID: 5E19DA26B331
Your software will be licensed to be used on the computer wit	Computer Name: JEFF-PC
Computer ID	User Name: Administrator
	Mar 21, 2014
Computer Name	Download License
	License Removed?
Create License Now	Download Now



7. Copy license file to offline computer via a removable disk device, then import it.



8. Select language you need, then click **OK** and finish installation.





(3) Transfer license on an online computer

- 1.Open License Manager from Start menu.
 - SAi Production Suite Cloud Install Manager Job Monitor License Manager PhotoPRINT EDITOR-PRO Cloud PhotoPRINT SERVER-PRO Cloud Preference Manager
- 2. Click **Remove License From This computer**, Now you can install the software on another computer.

License	(m)
Software ID:	0077325
License Type:	TRIAL
Expire Date:	20-04-2014
Licensed On:	This Computer
Computer ID:	5E19DA26B331
Check For Licens	se Updates
Import A License	File
Remove License	From This Computer
	< Back Finish Close
	X
	- V
License	(SA)
The license was successfully re	moved from this computer.
Software ID:	0077325
	NI SK7BKC3B
	NLSK7RKC3R
➔ License this comp	



(4)Transfer license on an offline computer

1.Open License Manager from Start menu.

SA	i Production Suite Cloud
8	Install Manager
Œ	Job Monitor
0	License Manager
3	PhotoPRINT EDITOR-PRO Cloud
R	PhotoPRINT SERVER-PRO Cloud
120	Preference Manager
	i reierenee manager

2.Click **Remove License From This computer**, then record removal code in license dialog box.

0 License	Ucense
Software ID: 0077325 License Type: TRIAL Expire Date: 20-04-2014 Licensed On: This Computer Computer ID: 5E19DA26B331	The license was successfully removed from this computer. Software ID: 0077325 Removal Code: GMYKCTIG45
 Check For License Updates Import A License File Remove License From This Computer 	License this computer again
< Back Finish	Close Close Close Close

3. Launch your browser on another online computer, access

<u>https://www.saicloud.com</u> and login with your account. Click **License Removed** then input removal code and click **Remove.** After this you can install software on another computer.



	Dioud
Current Install	
Computer ID: 5E19DA26B331	Coffigure Domograd
Computer Name: jeff-pc	Software Removed?
User Name: Jeff	When a software license is removed from your computer, it will attempt to over the Internet. If your computer was unable to communicate over the Int
Mar 21, 2014	New displayed a removal code. Enter the removal code below. Removal Code
Download License	GMYKCTIG45
License Removed?	Remove No Removal Code?
Download Now	Go Back

[2] Set up your GCC Cutter on Production Manager

- 1. Open Production Manager 12
- 2. Choose and set up your GCC cutter.

(Note that AAS II System only works on RX II, Jaguar V LX, Puma III, Expert II LX models.)

Choose a	UC VICC	
160-11		
vvnat i	s the brand name of your vinyl cutter	?
	GCC	-
What i	s the model name of your GCC?	
	AR24	
	And the second	
	GRC-23	
	i-Craft	
	Jaguar III-101	
	Jaguar III-132	
	Jaguar III-183	
	Jaguar III-61	
	Jaguar III-76 Jaguar IV-101	
	Jaguar IV-132	
	Jaguar IV-183	
	Jaguar IV-61	
	Jaguar IV-76	
	Jaguar JII-101S	=
	Jaguar JII-132S	
	Jaguar JII-61	
	Jaguar JII-76S	
	Jaguar JR-101S	
	Jaguar JR-132S	
	Jaguar JR-61	
	Jaguar JR-76S	
	Jaguar V-101	
	Jaguar V-101 LX	
	Jaguar V-132	Cance
	Jaguar V-132 LX	
	Jaguar V-183	



Add Setup	
What do you want to call your new setup?	
Jaguar V-61 LX	
How is your Jaguar V-61 LX connected to your computer?	
GCC USB 000 💊 🔹 Browse	
/	
Back Finish Cancel	
Production Manager	
File Edit Setup View Help	
	🔞 Cloud
Job ▼ Send Abort Delete Help ▼	
GCC Jaguar V-61 LX@GCC USB 000 Setup Job Name Status	Tools
Jaguar V-61 LX	
	🛛 📶 🔛 📕
	Files Flexiquote Reports
	Resources
	🧧 💆 🕺 📗
	Printer Support License
	Profiles You
	Youtube Facebook
	D.A. and an and a second se
	More
	© 2012-2016 SA International, Inc.
< III + RAM Free: 790.6 MB VM Free: 3.57 GB C: Free: 217.7 GB D: Free: 379.4	© 2012-2016 SA International, Inc.

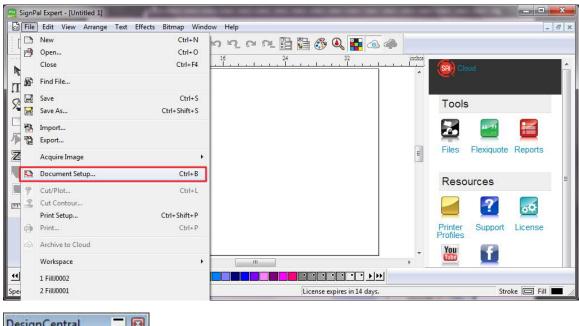


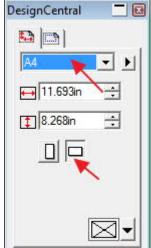
3. Select File > Print Setup in SignPal Software and select the printer.

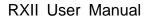
Image Files Image Files	Resources
Open Ctrl+O Close Ctrl+F4 Find File Save Save As Ctrl+Shift+S Import Export Export Ctrl+B Document Setup Ctrl+B Cut Contour Ctrl+Shift+P Print Setup Ctrl+P Archive to Cloud Immode Intersection	Tools Ites Iteg Iteg Ites Flexiquote Reports Resources Iteg Iteg Ites Iteg Iteg Support Iteense Iteg Iteg
Import Ctri+F4 Import Save Save Ctri+F4 Import Export Import Export Import Ctri+F4 Import.	Tools Ites Iteg Iteg Ites Flexiquote Reports Resources Iteg Iteg Ites Iteg Iteg Support Iteense Iteg Iteg
Cook Current Find File Save Save As Ctrl+Shift+S Save As Ctrl+Shift+S Export Export Document Setup Ctrl+B Cut Contour Ctrl+Shift+P Cut Contour Ctrl+Shift+P Printt Ctrl+Shift+P Cut Contour Ctrl+L Printt Setup Ctrl+P Archive to Cloud Workspace I Fill0002 License expires in 14 days.	Tools Ites Iteg Iteg Ites Flexiquote Reports Resources Iteg Iteg Ites Iteg Iteg Support Iteense Iteg Iteg
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Save As Ctrl+Shift+S import Export Acquire Image Ctrl+B Cut/Plot Ctrl+B Cut/Plot Ctrl+C Cut Contour Print Setup Ctrl+Shift+P Print Ctrl+Shift+P Print Ctrl+Shift+P Print Ctrl+Shift+P Printer Printer Printer Name: Ngpprinter2\4F_行銷_共用_FX DocuPrint Properties	Image: Second secon
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Archive to Cloud Workspace 1 Fill0002 2 Fill0001 Print Setup Printer Name: Ngpprinter2\4F_行銷_共用_FX DocuPrint Properties	
Workspace Image: Chain of the second seco	
Cha 2 Fill0001 Print Setup Printer Name: Ngpprinter2\4F_行銷_共用_FX DocuPrint Properties	Stroke 🕞 Fill 🔳
Print Setup Printer Name: Ngpprinter2\4F_行銷_共用_FX DocuPrint Properties Properties	Stroke 🕞 Fill 🔳
Print Setup Printer Name: <u>\\gpprinter2\4F_行銷_共用_FX DocuPrint</u> ▼ Properties	\$
Type: Microsoft enhanced Point and Print compatibility driver Where: 4F_行銷 Comment:	
Paper Size: A4 Orientation Orientation Orientation Chandscape	



4. Select File > Document Setup in SignPal and select paper size .



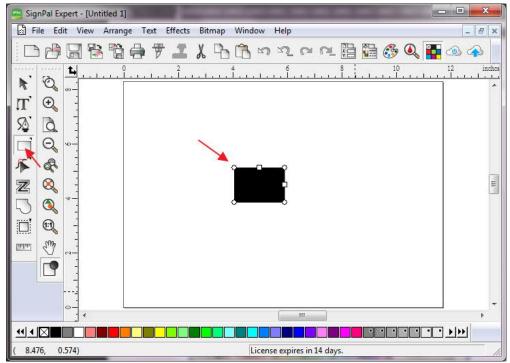




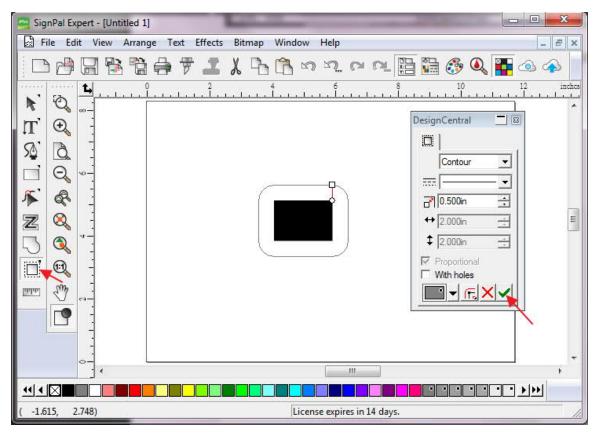


[3] SignPal AASII Quick Start

1. Use the **Rectangle Tool** to create a rectangle.



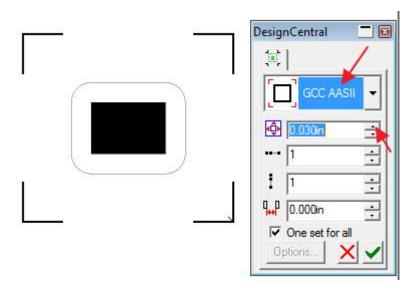
2. Select Effect > Contour Cut. Then click 'Apply' in DesignCentral window.





- SignPal Expert - [Untitled 1] File Edit View Arrange Text Effects Bitmap Window _ & × Help Combine . - # # # # **#** 4 뒁 r r 🕰 🛅 🚰 🚳 🔍 ۵ ک Outline... 10 inche Contour Cut... 0 R 1 Contour Cut Mark... T 0 Shadow... S à Clear Contour Cut - 3 DesignCentral Separate Contour Cut Q 1+ Q I F R Contour -111 -Z Q -----0.500in • ↔ 2.000in -1 ‡ 2.000in -S antar Proportional With holes 9 - F. X 🗸 111 •• • 🛛 🗌 • • • • • • Creates cut marks around contour cut objects License expires in 14 days.
- 3. Apply the contour cut mark of GCC AASII by selecting Effect > Contour Cut Mark.

4. Select "**GCC AASII**" in SignPal DesignCentral window to create the AAS II registration marks (4-Point Positioning) and click '**Apply**' in DesignCentral window.





5. There are three types of GCC AASII registration marks: 4-Point Positioning, Segmental Positioning, and Multiple Copies. To make 'Segmental Positioning' marks, please select "GCC Segmentation" in DesignCentral window and then click 'Apply'.

Desigr	Central	_ 2
ţ.		
E	GCC Seg	mer 👻
٩	0.030in	Ē
	1	÷
1	1	÷
¶ ⊷ P	0.000in	÷
	One set for a	

- 6. For 'Multiple Copies', this function is not available in SignPal. Currently the 'Multiple Copies' function is only available under CorelDraw plug-in.
- 7. Select **File > Print** to print out the image.

SignPa	1		Contraction of the local division of the loc	the second	
le File		New	Ctrl+N	lelp	- 8
	B	Open	Ctrl+0		
		Close	Ctrl+F4	n. n n 🗄 🛅 👶	• 🔍 🏪 🐵 📣
- 2	R	Find File		6 8 1 	0 12 in
		Save	Ctrl+S		
Г' (B	Save As	Ctrl+Shift+S		
2	-	Import			
j e	Ð	Export			
ć		Acquire Image	۰.		
2 0		Document Setup	Ctrl+B		
3 6	7	Cut/Plot	Ctrl+L	P. J.	
	Ż	Cut Contour			
		Print Setup	Ctrl+Shift+P		
m 7	0	Print	Ctrl+P		
	4	Archive to Cloud			
1		Workspace	•		





8. Set the Scale as 100% in Print page.

Printer		Preview	
Name: \\gpprinter2\4F_行銷_	共用_FX Doct ▼ Properties		
Status: Ready	- 182		
그릇 한 것입니다. 그 것은 것은 것은 것은 것은 것은 것을 하는 것이 같다.	t and Print compatibility driver		
PostScript data: C Binary (ASCII		
Copies	- Print Options		
Number of copies: 1 🛨	E Selection only	-	
- C9 - C9	Border		
123 123 F Collate	🔲 Wireframe		
Scale	🗖 Substrate		
C Fit drawing to paper	🗖 Guides		5. C
C Fit border to paper	Grid		
🕫 Scale:	Contour cut paths		
12in = 1ft (100%) →	Template		
Tiling	Select Template		
F Print tiled pages	- Position		
Overlap: 0.000in 🛨	Center		
Advanced	Offset X: 0.000in 🛨		
Use device margins	Offset Y: 0.000in 🕂		
✓ Ignore overprint			
🔲 Ignore bitmap transparency			OK Cancel

Load the printout vinyl on the plotter and select File > Cut Contour to send data. You can preview the job and change cutter's parameter settings in 'Properties' tab of Cut Contour window. The Production Manager will be automatic activated to complete the job.



1] inge Text Effects Bitmap Window Help	
	Select a Production Manager
	 On this computer (Local)
	C On another computer (Network)
	4
	○ On the internet address:
	OK Cancel
Tut Contour	
Jaguar V-61 LX@GCC USB 000 Job Status	
Properties	
Material 24.000 x 1968.000in	,24 ,22 ,20 ,18 ,16 ,14 ,12 ,10 ,8 ,6 ,4 ,2 ,0 ▲ ♡
	8
Send mode: Send now	8
Position	8
×1	52
Size ↔ 2.908in → 100.000% →	82
Copies	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
1 <u>+</u> 0.000in <u>+</u>	P 27
Repeat Job	P-
Send job 1 times	φ
_ <u></u>	
All colors	



[4] SignPal 12 Features List

	Expert	Apprentice
Text		
Text Tool	•	•
Arc Text	•	
Path Text	•	
Vertical Text	•	•
Vertical Path Text	•	
Kerning	•	
Break Apart/ Join	•	•
Drawing		
Bezier	•	•
Freehand Drawing	•	•
Shapes		
Rectangle	•	•
Oval	•	•
Registration Mark Tool	•	•
Measure Tool	•	•
Path Editing		
Select Point Tool	•	•
Remove Point	•	
Add Point	•	
Straighten Path	•	
Round Corner	•	
Sharpen Corner	•	
Optimize by Curve	•	
Optimize by Smooth		
Arc	•	
Optimize by 3point Arc	•	
Make Arc	•	
Reduce Points	•	
Close Path	•	
Change Start Point	•	
Cleaver	•	



Scissors

Make Right Angle	•	
Break Path	•	
Join Paths	•	
Align Horizontal	•	
Align Vertical	•	
Align Points	•	
Apply Length and		
Angle	•	
Remove Tiny Objects	•	
Vector Eraser	•	
Cleaver by Path	•	

•

Working with Files

Job Info	•	
Scanning	•	
Achieve to Cloud	•	•
Workspaces	•	•

View

DesignCentral	•	•
Color Mixer	•	•
Snap	•	•

Arrange

Group	•	•
Compound	•	•
Mask	•	•
Guides	•	•
Contour Cut	•	•
Convert to Outlines	•	•
Convert Stroke to		
Outlines	•	•
Convert Linked to		
Native	•	•
Path Direction	•	•
Order	•	•
Cut Order	•	•



Align	•	٠
Spacing	•	•
Rotate	•	•
Resize	•	•
Deskew	•	•
Mirror	•	•
Step and Repeat	•	

Effects

Combine	•	
Outline	•	
Contour Cut	•	•
Contour Cut Mark	•	•
Shadow	•	

Bitmap

Autotrace

Color Mode

Production		
Cut/Plot	•	•
Manual Split Lines	•	•
Tile All Copies	•	•
Panel to Border	•	•
Auto-weld	•	•
Auto-trap	•	•
Overcut	•	•
Optimize Cutting Order	•	•

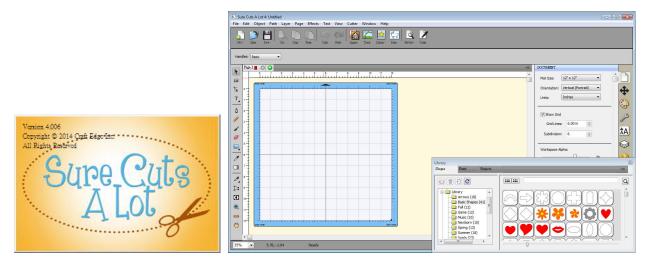


Sure Cuts A Lot

There are basic instructions of Sure Cut A Lot below. If you need detailed instruction, please refer to Sure Cut A Lot Help.

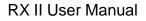
1. Select the cutter you want to output and change the work area.

Step 1 Run Sure Cuts A Lot software.



Step 2 Select "Cutter" and select "Manage Cutters" under My Cutter to change the work area.

e Edit Object Path Layer Page Effects Text View 🛛	Cutter Window Help	
er Open Sare Cox Coy Fase Undo Redo 1	Mat Size Mat Orientation	Þ.
	Preview Ctrl+Sh	ift+P
les: Basic	Cut with GCC i-Craft Cutter Settings	
	My Cutter	Manage Cutters
	Tablet Connection	✓ GCC i-Craft





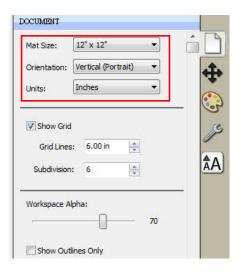
Step 3 Select company / brand as GCC and select model you want to output and then click the "<--Add to list" button.

utters you currently have added are add another Brand/Model.		utter, dick the Add button	Cutters you currently have added a to add another Brand/Model.	Add a Cutter	
	Add a Cutter		GCC i-Craft	Company/Brand:	GCC
Cutter	Commentaria de la competitiva de la competitiv		GCC I-Craft		
GCC i-Craft	Company/Brand:	GCC i-Craft 🔹			AR24
	Model:	<unspecified></unspecified>			AR24 Bengal
	Model:	GCC GCC i-Craft			Expert 24
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e 111	Ъ.			and search of	Jaguar IV
				😑 🦳 Library	Puma III Puma III DX

Step 4 Select GCC on the left and click "Done."

Cutter	Add a Cutter	GCC
GCC i-Craft	Company/Brand:	GCC
GCC	Model:	Jaguar IV
	-	
	< Add to list	

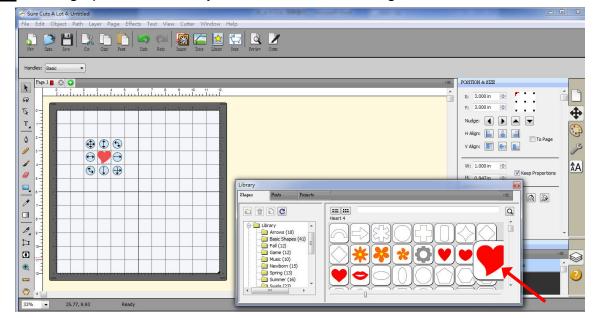
Step 5 If you want to change the material size and orientation, you can fill a proper value in the Document window.





2. Insert Graphics from Library

Step 1 Select graphics from library to insert a selected design.



3. Draw Text

Click on the T icon at left side to create the text and select the font you like at text window.

A Sure Cuts A Lot 4: Untitled	
File Edit Object Path Layer Page Effects Text View Cutter Window Help	
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Pees 1 Image: Contract of the second secon	TEXT Vew: All ↓ ont: Lucida Caligraphy afic ↓ ♥ B Z C Alignment: E E E E
GGCC G	T1 scer: 100 m A Width: 100.00 % AY Tracking: 100.00 % A^ Leading: 0.00 m A1 VOffset: 0.00 m
	Rotate: Rotate 0.00
33% S.09, -0.81 Ready	



 \checkmark

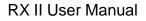
4. Import Design

If you have created your design in other design software, go to "import" or "place image" under file to import it, SCA supports svg, scut, scal, pdf, ai. wpc eps, bmp, gif, jpg and png files.

ile	Edit Object Path	Layer Page Ef	ffects Text
	New Project	Ctrl+N	
	Open Project	Ctrl+O	Lindo I
	Save Project	Ctrl+S	
	Save Project As	Ctrl+Shift+S	
ſ	Import	Ctrl+Shift+I	
	Export	Ctrl+Shift+E	6 7
	Trace Image	Ctrl+Shift+T	ىلىيىلى
ſ	Place Image		Section 2.
1	Scan2Cut		
	FCM Batch Convert		
	Send to	•	
	eshape Store		
	Share Project		
	Sync My Library		+
	Print Setup		
	Print		
	Recent Projects	•	
	Exit	Ctrl+Q	

Fips Thousands of SVG files designed specifically for Sure Cuts A Lot!

http://SVGCuts.com is the top of source for designer SVG files for Sure Cuts A Lot. Thousands of high quality elements including: shapes for card-making, scrapbooking, as well as gift bags, boxes and 3D flowers.





5. Convert Image to Cutting File

Step 1 Go to Trace Image under File, or select Trace Image button on the toolbar to open the setting window.

New Project	Ctrl+N	2			
	Curris	No.	and I		
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ave Project	Ctrl+S	0.000	1,000	impore trace	Lintery
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Step 2 Click on "Choose an image" to input the image, adjust Image Settings and Output Settings, and click OK. Then the outline of the image will be outputted automatically.

³ Trace Image	
Input Choose an image Cat_girl_kids_cartoon.jpg (1779 x 1118)	Output Show Nodes Nodes: 1885 Show Source Image:
Image Settings Mode: Monochrome Contrast (0-100):	
Dutput Settings Smooth (0-100): 80 Detail (0-100): 98 Single Line Threshold: 0 Break Apart Outlines Blackout Add Image Layer (Print+Cut)	 The preview is currently showing what will be traced. Click the Update Preview button to see trace result.
Restore Settings Save as SVG	Cancel OK
Note ✓ The contrast and pixels of im	port images will affect the trace

image result. High contract graphics are recommended.



6. Cut the Design

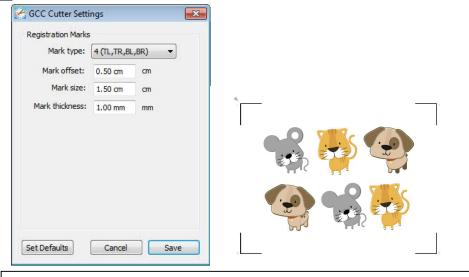
Step 1 Click on the "Cutter" button on the toolbar and Cut Settings window will appear.



Step 2 Click on "Settings..." to open GCC Cutter Settings window.

GCC Model: Jaguar IV	Settings	0-	2 3 4 5 6 7 8 9 10 11	ř î
Connection: USB]	2- 3- 4-		
Port: <a>Auto Detect>	C Test Connection	5-		
Cut Settings		7-		
Cut Mode: WYSIWYG 🗸		9-	GCC	
Use Software Speed and Pressure	Mirror H Mirror V	11-		
End Action: Rewind to origin				
7				and the
lote				

Step 3 Adjust Registration Marks setting under GCC Cutter Settings window if needed.



*<u>Registration Marks</u>: set the distance between the edge of the material and the registration marks in Mark Offset; set the size of marks in Mark Size; set the line thickness of marks in Mark Thickness.



Step 4 Adjust Blade Offset, Overcut Value, Multi-Cut and Quality under Cut Settings window

if needed.

ut Settings		
Cut Settings Cut Mode: M Use Softwar End Action: R	USB to Detect>	Q Q Q 0 1 2 1 2 3 4 5 6 7 8 9 GCC 10 11 12
Preset: G	Regular Blade (0.25 mm) Blade /Pen Prompt	
Blade Offset: Multi-Cut:	0.25 • Overcut: 0.0 (None) •	
Speed: Pressure:	u	-
Print+Cut	Save to file Cancel Cut	,

*<u>Blade Offset</u>: set the offset value according to different blade, for a standard blade, set the offset value at 0.25mm, 0.5mm for an optional advanced blade and 0mm for an optional plotting pen.

- *<u>Quality</u>: associated with the cutting result; please note the better cutting quality, the slower cutting speed.
- *<u>Multi-Cut</u>: to repeat the cutting job at same position which is suitable for cutting thick material.

*<u>Overcut</u>: allows for easier weeding and makes up for incomplete cut lines.





Step 5 Under "Cut Settings" section, there are some useful functions. After setting the parameters, click on "Cut" to send the data to the GCC cutter and the GCC cutter will start the cutting job.

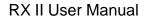
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GCC				
Model: Jag	uar IV 👻 Setti	ings		
Connection:	USB 🔻			
Port: <	ito Detect>	onnection		
Cut Settings				
Cut Mode:	VYSIWYG 👻			
L.		Mirror V		
Use Softwa	are Speed and Pressure	Mirror V		
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Use Software End Action:	are Speed and Pressure Mirror H	Mirror V		
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Use Software End Action:	Rewind to origin Copy Paper	Mirror V		
Use Softw. End Action:	Revind to origin Copy Paper	Mirror V	< Custom Preset >	•
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Use Softwi End Action:	and Pressure Mirror H Rewind to origin Xopy Paper + Regular Blade (0.25 mm) + Blade/Pen Prompt 0.25 Overcut: 0.0 (None	Preset	Cardstock (120lb.) olde Cardstock (250lb.)	
Use Softwi End Action:	Regular Blade (0.25 m) + Blade/Pen Prompt 0.25 Overcut: 0.0 (None	Preset	Cardstock (120lb.)	
Use Softwi End Action: [Preset: [Holder Blade Offset Multi-Cut	Image: Speed and Pressure Mirror H Image: Speed and Pressure + Image: Speed and Pressure +	Preset	Cardstock (120lb.) olde Cardstock (250lb.) Cardstock (350lb.) Copy Paper Flocked heat transfer	•
Use Softwi End Action: [Preset: Holder Blade Offset Multi-Cut Speed	Image: Speed and Pressure Mirror H Rewind to origin Image: Speed and Pressure Stopy Paper + Regular Blade (0.25 mm) + Blade/Pen Prompt Image: Small Lett Off Quality: Small Lett 15 cm/s) → er →	Cardstock (120lb.) olde Cardstock (250lb.) Cardstock (350lb.) Copy Paper Flocked heat transfer	
Use Softwi End Action: [Preset: [Holder Blade Offset Multi-Cut	Image: Speed and Pressure Mirror H Image: Speed and Pressure Mirror H Image: Speed and Pressure Mirror H Image: Speed and Pressure + Regular Blade (0.25 mm) + Blade/Pen Prompt + Image: Speed and Pressure 0.0 (None Off Quality: Small Lett - Image: Small Lett -) → er →	Cardstock (120lb.) olde Cardstock (250lb.) Cardstock (350lb.) Copy Paper Flocked heat transfer	

*<u>Cut Mode</u>: there are "WSIWYG" and "Origin Point" options, WSIWYG means what you see is what you get, the cutter will output the graphic at same position in preview window. While with Origin Point mode, the cutter will cut the graphic from bottom right origin point of the material.

*<u>Use Software Speed and Pressure</u>: tick this section, and you can set the values of speed and pressure manually.

*<u>Preset</u>: select a proper material to apply the preset speed and pressure parameter automatically.

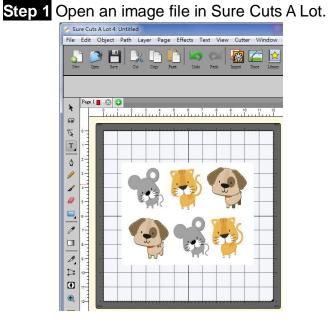
*<u>Speed & Pressure</u>: you may adjust values of speed and pressure manually to get quality results.





7. Print and Cut Your Design

The Print and Cut function allows you to print the graphics from Sure Cuts A Lot to printer, and then put the printed materials on the GCC cutter to cut out the contour of printed jobs from Sure Cuts A Lot.



Step 2 Click on the Cutter icon on the toolbar, set the parameters and click on "Print+Cut" to add the registration marks and print out the image.

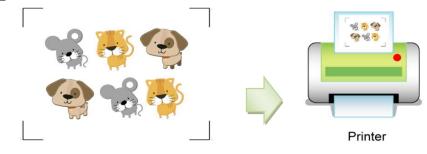
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GCC			0 1 2 3 4 5 6 7 8 9 10 11 12
Model: Jag	uar IV	▼ Settings	1
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Cut Settings			7- 8- 9-
Cut Mode:	VYSIWYG 🔹		10-
Use Softwa	re Speed and Pressure	Mirror H Mirror V	11-
End Action:	ewind to origin 🔹 👻		
Preset:	opy Paper	▼ +	
Holder:	Regular Blade (0.25 mr	n) v +	
noiuer:		n) •	
	Blade/Pen Prompt	-	
	0.25 👻	Overcut: 0.0 (None) 🔻	
Blade Offset:			
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Blade Offset: Multi-Cut:	Off •	Quality: Small Letter 🔻	
		Quality: Small Letter	
Multi-Cut:	-0		
Multi-Cut: Speed:	-0	15 cm/s	<



Step 3 Click on "Print…'	to open printer setting window and click OK.	

New		
* & K	印表機 名領(A): Microsoft XPS Document Writer ・ 内容(P) 状態: 就給 類型: Microsoft XPS Document Writer 位置: XPSPort: 註解: through	
	列印範圍 份數 ● 全部(A) 份數(C): 頁(g) 從(P): 1 1 2 3 1	
	Print outlines only Preset: Copy Paper Print registration marks on when ntinue Holder: Regular Blade (0.25 mm) Print selection only Image: Constructions ndow. Blade Offset: 0.25 Overuit: 0.0 (None))
□	Multi-Cut: Off Quality: Small Letter Speed:	

Step 4 Print your design with registration marks out.



Step 5 Load the printed media to the GCC cutter.

Step 6 Press "Next" and then press "Scan+Cut", and then the GCC cutter will detect the registration marks and cut the contour lines automatically.



Tips Test Connection function can save your materials. ✓ Click on "Test Connection" to exam if set the connection properly.

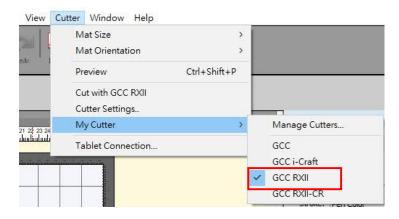
ceneral	
General GCC Model: Jaguar IV GCOnnection: USB Port: <auto detect=""> Cut Settings Cut Mode: WYSIWYG GCUt Mode: WYSIWYG GCUt Mode: WYSIWYG GCUt Settings Cut Mode: WYSIWYG GCUt MODE G</auto>	
Speed:	<
• Test Connection	and forth
This will attempt to move the rollers or blade a short distance back f you do not see the rollers or blade move, double check the conn nake sure the cable is not loose and the power is turned on.	
This test will not lower the blade and will not cut anything.	ок



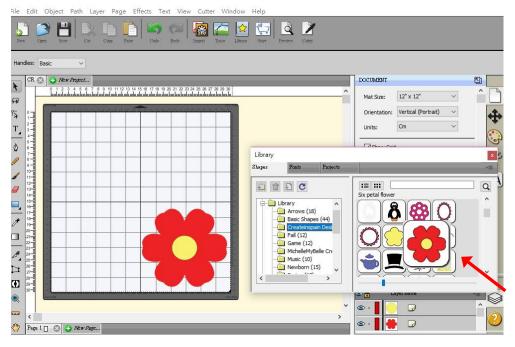
8. Cut by color (*only available in RXII and RXII(Creasing) model)

Cut by color is a new function to set multiple parameters with 16 different colors in stroke of graphic that can help easily to identify different job.

Step 1 Select "Cutter" and select "GCC RXII" under My Cutter to change the work area.



Step 2 Select graphics from library to insert the selected design.



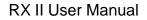


Step3 Click the area you want to design and select pen color to designate stroke color for setting parameter in the next step then click "OK".

		FILL & STR	OKE		
Choose Pen Color Pen Set: Standard	^ ×	Fill: Opacity:	Color ~	100 %	↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑↑
Black	^	Stroke:	Pen Color 🗸 🗸		
Red		Opacity:		100 %	S
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Light Green		Join:			
Green		Miter:	10.00		
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Light Blue	v	Line Style:	increased increased increased	 Edit 	
Cancel OK					
					•

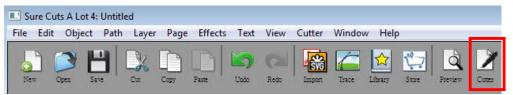
Step4 Click the *local* button to open the Edit Presents window which shows the default values by different materials. You can adjust the parameter and click "OK" to save the changes.

File Edit Object Path Layer Page Effects Text View Cutter Window Help								
New Open Save Car Copy Pase Import Trace Liftersy Save Care								
Handles: Basic ✓								
CR • New Project • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 2 3 4 1 5 16 17 11 • 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11 • 1 1 1 12 13 14 15 16 17 11 • 1 2 3 1 1 12 13 14 15 16 17 11 • 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Preset: Copy Paper Holder: Regular Blade (0.25 mm) H Cut cut lines Blade Offset: 0.25 Overcut: 0.0 (None) Multi-Cut: Off Quality: Small Letter Pressure: 70 g	STYLE						
10-11-12-11-	Speed: Up Speed: Cancel	Preset: Copy Paper						
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Step5 Click on the "Cutter" button on the toolbar to open Cut Settings window.



Step5 Click on the "Cut By Color" then click" Cut "button and cutter will to work.

