

Puma IV Series User Manual



http://www.GCCworld.com

<u>NOTICE</u>

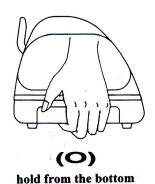
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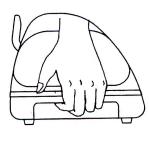
Important Information

Thanks for your purchase of GCC *Puma IV Series* Cutting Plotter. For your safety and to optimize the performance of the Puma IV, please read the user manual completely and keep it in a correct location.

PRECAUTIONS IN USE

• For safety concern, please always hold the cutter firmly **from the bottom** when moving it. Do not move the cutter by clasping the depression area on both sides.





(X) hold the depression area

- Do not shake or drop the blade holder, a blade tip maybe fly out.
- During operation, keep away from any moving parts of the cutter (such as the carriage, drums). Also be careful that your clothing and hairs do not be caught.
- Always connect the power cable to a grounded outlet.
- Always use the accessory power cable that 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 misoperation of the machine.
- Keep the tools away from children where they can reach.
- Always put the pinch rollers within position of the white marks.

4-8

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Chapter 1 General Information

1.1 Introduction

Puma IV 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 Puma IV series cutti	ing plotters:

• P4-60LX / P4-60	for media width: 70mm (2.76") ~ 719mm (28.3")
• P4-132LX / P4-132	for media width: 70mm (2.76") ~ 1470mm (57.87")

1.2 Package Items

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

Standard Item			Quantity	
1. Cutting Plotter				
 2. Stand Set (for P4-132LX / P4-132 only, optional for P4-60LX / P4-60) 2 piece of T-shape stand 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 				
3. Flexible Media Support System Package		P4-132LX /		
Items	P4-60LX / P4-60	P4-132LX / P4-132 V		
Items 1 set of Roll Media Flange (2 pieces)		P4-132 V	1	
Items 1 set of Roll Media Flange (2 pieces) 1 set of Roll Holder (2 pieces)		P4-132 V V	1	
Items 1 set of Roll Media Flange (2 pieces) 1 set of Roll Holder (2 pieces) 1 set of Roll Holder Guide Bushes (4 pieces)		P4-132 V V V	1	
Items 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)		P4-132 V V V V	1	

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4. Accessories	
 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 in tool carriage of the cu 	itting
plotter)	1
 1 piece of Blade (Installed in Blade Holder) 	
 1 piece of Safe Blade 	
 1 piece of Cutting Pad 	
 1 piece of Tweezers 	
 1 piece of Promise Card 	

1.3 **Product Features**

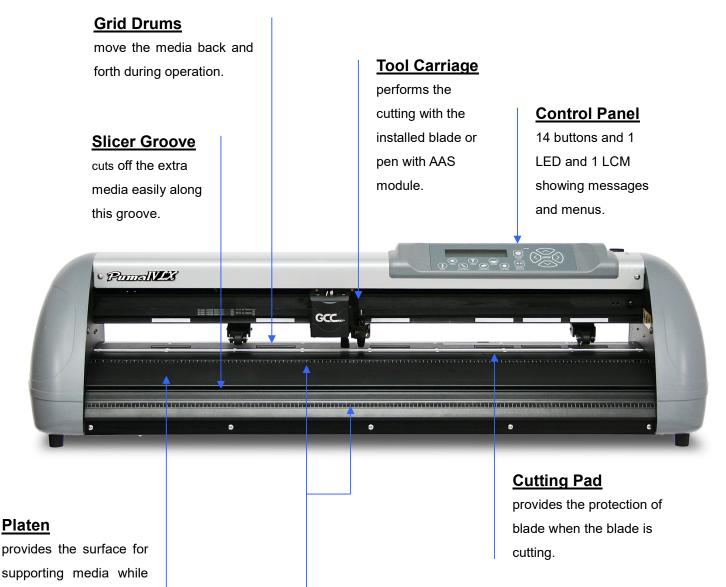
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The following are the main features of the Puma IV LX / Puma IV series cutting plotters:

- Triple-port connectivity provides you with greater flexibility
- Up to 500 gram cutting force
- Up to 1020 mm per second (40.16 ips) cutting speed (at 45° direction)
- Guaranty 5-meter tracking
- User-friendly and multi-language control panel
- Enhanced Automatic-Aligning System for automatic contour cutting

1.4 Appearance of Puma IV

1.4.1 The Front View (Figure 1-1)



Alignment Rulers

media can be aligned with the clear guide line marks

Figure 1-1

cutting

1.4.2 The Back View (Figure 1-2)



Figure 1-2

Roll Holder Guide



1.4.3 The Whole View (Figure 1-3)

**Stand for Puma IV 60 is an optional item. **Stand for Puma IV 132S is a standard item.

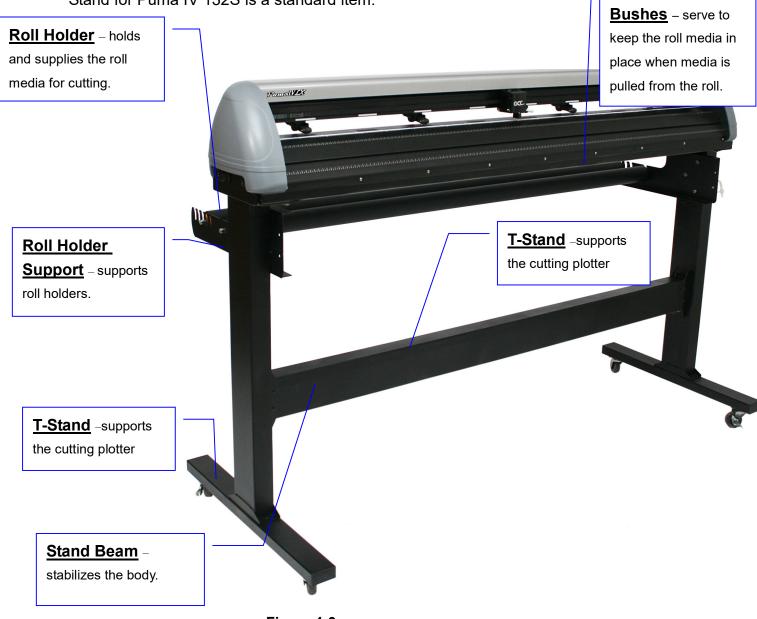
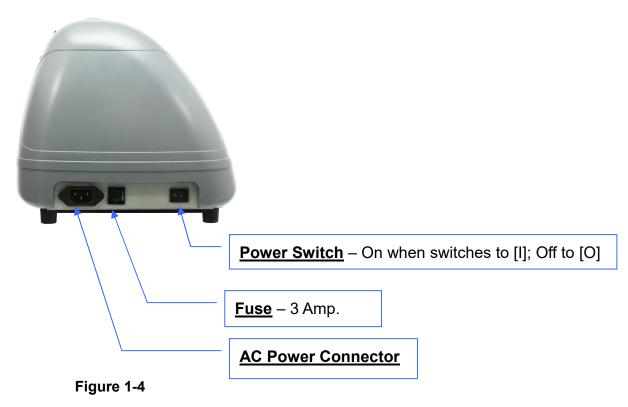
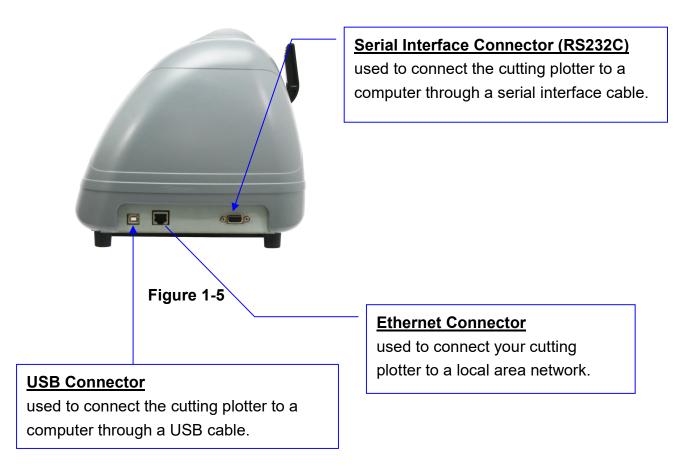


Figure 1-3

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



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





Chapter 2 Installation

2.1 Precaution

Notice 1

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

Notice 2 A proper place for installation the cutting plotter

Please select a proper location that meets the following conditions.

- The machine can be approached easily from any direction.
- Keep at least 60 cm space in front and behind the machine.
- Make sure the cutter is placed on a flat, level and sturdy surface
- ✤ The operation temperature should be between 15 and 30 °C (60-86°F) in the workshop.
- Keep the relative humidity between 25% and 75% in the workshop.
- Protecting the machine from dust and air current.
- Preventing the machine from direct sunlight.
- The machine should be installed in a proper place where only well-trained professionals are allowed to operate the machine.
- This product should be installed only in a restricted access location (Professional printing rooms, service closets, etc.)

Notice 3 Connecting the Power Supply

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

Insert the plug (male) into a grounded power outlet.

Note: The equipment power supply cord shall be connected to a socket-outlet with earthing connection.

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 P4-132LX / P4-132)

Please follow procedure below to assemble stand and media support system.

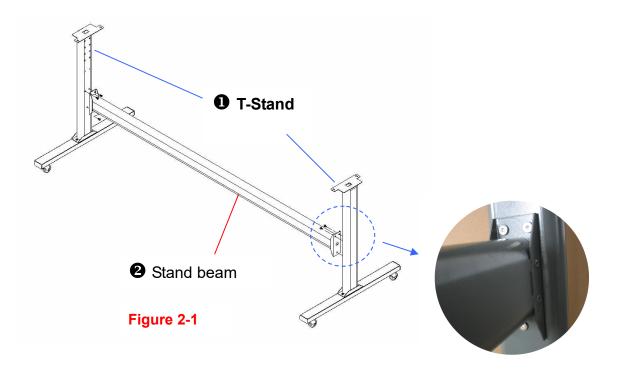
Step 1 Please examine supplied items in the accessory box of stand carton before you install:

Stand is a optional item for Puma IV 60 LX / Puma IV 60, Item List :

- 2 piece of T-shape stand
- 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.
- Place the stand beam upright on the T-stand and follow the number **1**² to assemble (See Figure 2-1 & 2-2).
- There is hexagon socket head screws fasten on the T-stand on both side taken as locating pins.

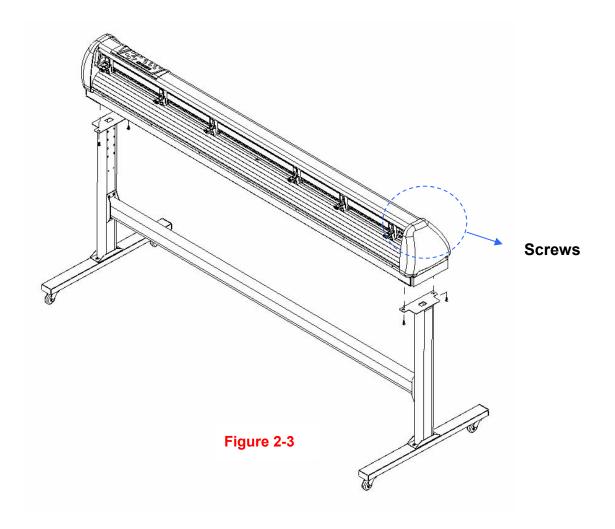






Step 3 Position the stand beam perpendicularly to part **①** and put the screws into the holes and tighten them as Figure 2-2. Then the complete picture of stand will be like Figure 2-1.

Step 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 2-3.

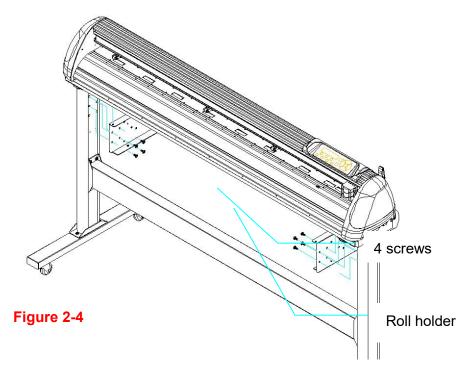




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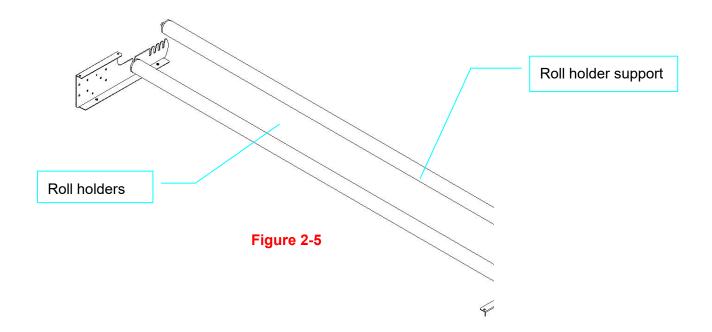
Step 5

Insert the roll holder support with the screws into the holes of the stand, and then tighten them up as shown in Figure 2-4. You could decide roll holder support's position by inserting into different holes.



Step 6

Place two roll holders onto the roll holder support and ensure the white protrusion is wedged in the groove. (Figure 2-5)

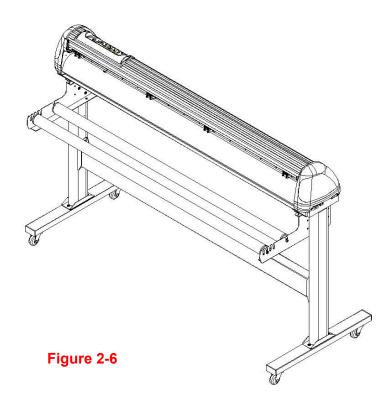






Step 7

Lastly, the complete picture will be shown like below. (Figure 2-6)

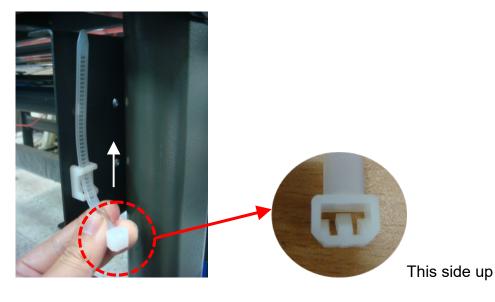




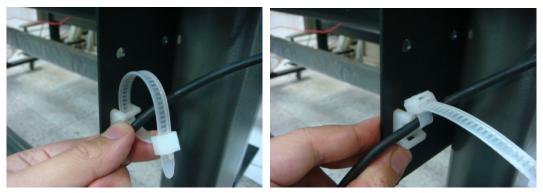
2.3 USB Cable Tie and Saddle

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.



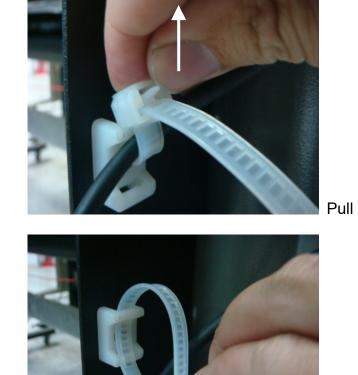
Step 3 Insert the cable tie end into the lower hole of cable saddle to finish the job.

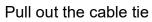


Untied way: pull out the cable tie \rightarrow pull up the pin \rightarrow release the cable tie.









Pull up the pin

Release the cable tie

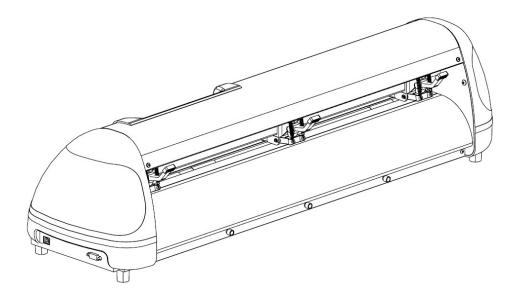




2.4 Desktop Flexible Media Support System (for P4-60LX / P4-60 only)

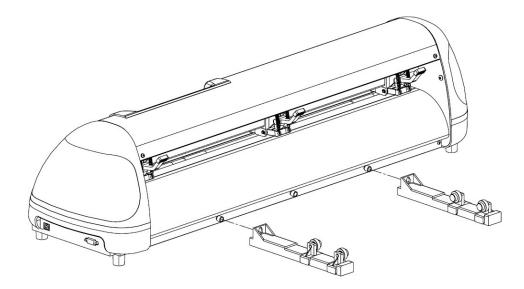
Step 1

Check three spacer supports on the back of the machine.



Step 2

Insert the left and right roll holder base into the spacer supports on the left and right side when 2 inches roll media is used.

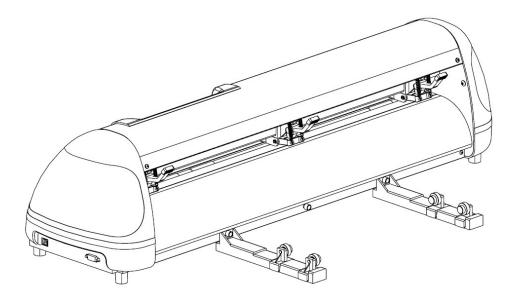




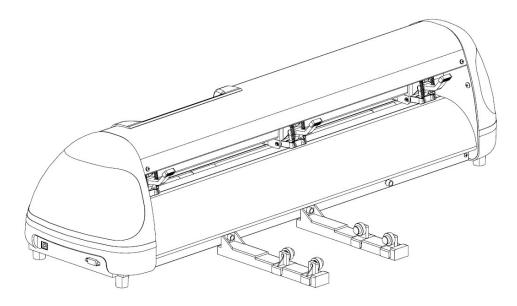


Step 3

Press the roll holder base and the installation is complete.



Note: Insert the left roll holder base into the middle spacer support and right roll holder base into the right one when 1 inches roll media is used.





2.5 Blade Installation

! Caution

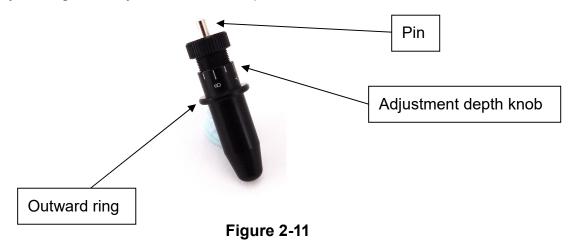
Do not touch the tip of the blade by your fingers.

! Notice

The blade is a consumable item, which will affect the cutting quality significantly. Please replace with a new blade when having the following situations:

- 1. The tip of blade is broken.
- 2. The cutting traces are not as good as they were.
- 3. Uncut area remains the same even the blade force has been raised significantly.

Figure 2-11 is the picture of the blade holder. Insert a blade into the bottom of the blade holder. Pushing the pin on the top of blade holder can remove the blade. Be sure to keep your fingers away from the blade tip.





Step 1 Install blade. (Figure 2-12)







Figure 2-13

Step 2 Push the blade to the bottom of the blade holder. (Figure 2-13)

Step 3 Adjust the blade tip to suitable length by rotating "Blade tip adjustment screw" clockwise or counterclockwise. (Figure 2-1<u>4</u>)





Tips:

"The proper length" means the blade length is about 0.1mm more than film's thickness. For example, if the thickness of film is 0.5mm, then the blade length is properly adjusted to 0.6mm and it can completely cut through the film layer without cutting though the paper backing.

Step 4 Insert the blade holder into tool carriage. Please note the outward ring of the holder must put into the groove of carriage firmly (Figure 2-15) and lock the grip. (Figure 2-16)



Figure 2-15

Figure 2-16

Step 5 Reverse steps mentioned above to remove the blade holder.



Step 6 Press the push-pin to remove the blade from the blade holder when replacing blade. (Figure 2-17)

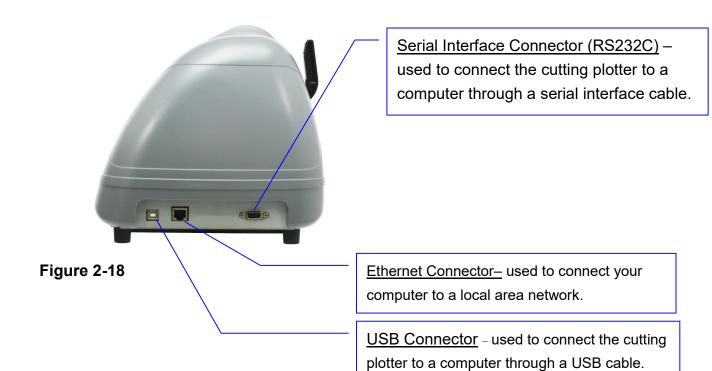


Figure 2-17

2.6 Cable Connections

Puma IV communicates with a computer through **USB (Universal Serial Bus)**, a **Serial port (RS-232C)** or **Ethernet**. 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, serial port will be disabled automatically.



2.6.1 USB Interface

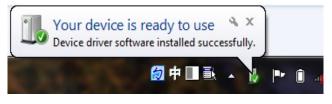
Puma IV build-in USB interface are based on the Universal Serial Bus Specifications Revision 2.0 (Full Speed).

2.6.1.1 Connecting your GCC cutter

Turn on the machine.

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.

You can double click the USB icon on the taskbar to make sure the USB device is detected.





2.6.1.2 Installing the driver

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

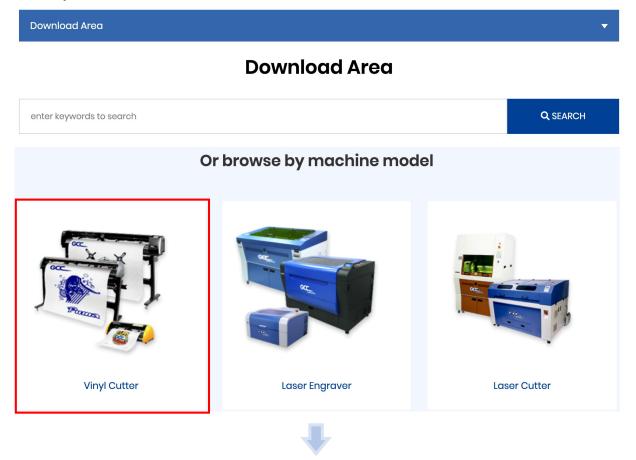
Caution!!

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

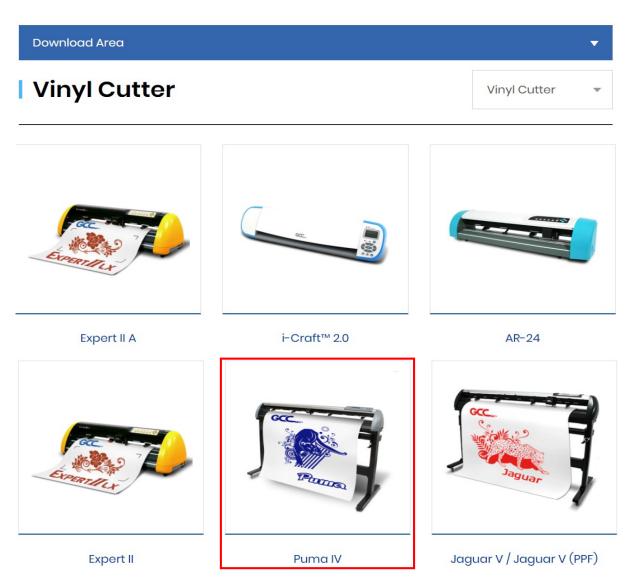
Step 1 Visit GCC website and go to "SUPPORT" page to download the user manual, driver and software (https://www.gccworldnew.com/download.php).



Step 2 You may use search function or directly click the product category to choose the model you want.







Step 3 Unzip the file and double clip the driver.exe to start installing the Driver and AAS plug-in.

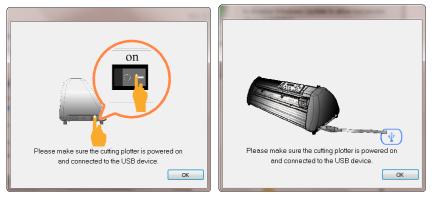
Cutter_Driver_Install_ar	
Installing	Ó
Current File Cooping file CL_System32/gcctempVAASPlugMicrosoft/VC90.CR1/nsvcm	190.dl
Al Files	
Time Remaining 1 minute 0 seconds	
Wise Installation WizardR	
< Back	Next > Cancel

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 theUSB 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!



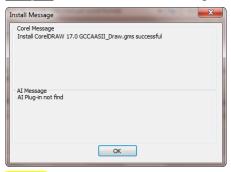
Step 8 If you want to install AASII VBA on CoreIDRAW and Adobe Illusatrator, exit CoreIDRAW and Adobe Illusatrator program, and then click on"Install."



 GCC AASII installer V2.12-03
 Welcome to the installer for AAS II VB/ CoreIDRAW version 11 12 13 14 15 16 17 Adobe Illustrator CS3 CS4 CS5 CS6
 It is strongly recommended that you e CoreIDRAW and Illustrator program be

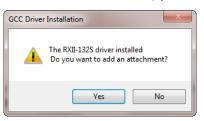
continuing

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



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.

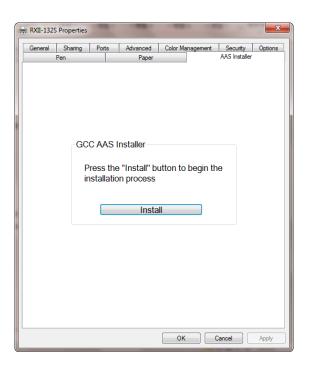


(2) If the user selects yes, a second copy of the driver will be installed.



(3) For users who have upgraded Adobe Illustrator or CorelDRAW, 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.

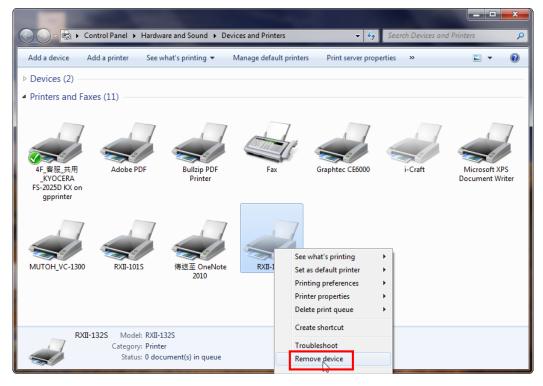




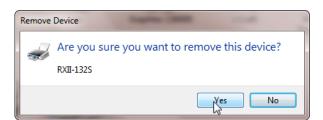
2.6.1.3 Driver Un-installation

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."

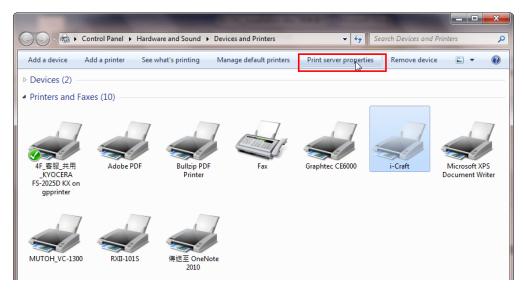






Step 2 After removing the unit, click on any printer on the page and select "Print server properties." (For Win 7and above)

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



Step 3 Select "Driver" page

🖶 Print Server I	Properties	- 88-		×		
Forms Ports	Drivers Security Ac	lvanced				
Forms on:	MARKET-EILEENC					
10x11 10x14 11 x 17			^	Delete		
11x17 11x17			-	Save Form		
Form name:	10x11					
Define a new measuremer	Create a new form Define a new form by editing the existing name and measurements. Then click Save Form. Form description (measurements) Units:					
Paper size:	Printer a	area margins:				
Width:	25.40cm Left:	0.00cm	Тор:	0.00cm		
Height:	27.94cm Right:	0.00cm	Bottom:	0.00cm		
😗 Chan	Thange Form Settings					
		Close	Cancel	Apply		



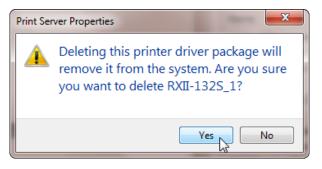
Step 4 Select the model and click on "Remove".

Print Server Properties	-		x		
Forms Ports Drivers Securi	ty Advanced				
Installed printer drivers:					
Name	Processor	Туре	<u> </u>		
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	=		
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-132S_1	x86	Type 3 - User Mode	-		
Add	N Remove	Properties	51		
	13	Tropenies			
😵 Change Driver Settings					
	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

2.6.2 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

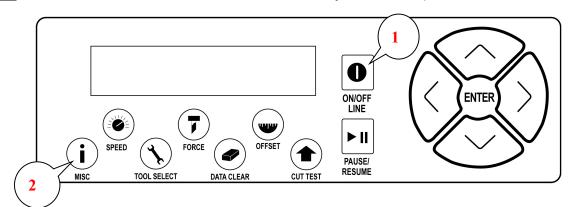
2.6.3 Ethernet Connection

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.



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.**

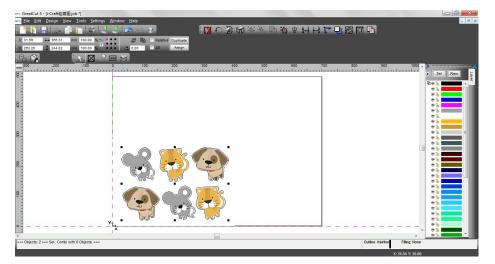
I. Output through GreatCut

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

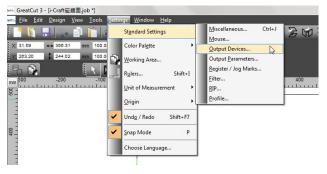


Instruction of Ethernet settings for GreatCut

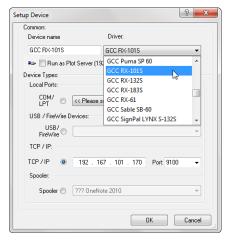
Step 1 Open GreatCut and create a new file and cutting line.



Step 2 Go to Output Devices under Settings.



Step 3 Select a model at Driver in Setup Device window



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

Common:		Current Output Device			
Device name	Driver:	GCC RX-101S			
GCC RX-101S	GCC RX-101S	Driver: GCC RX-61 File: C:\Program Files\GCCV Port: 192.167.101.170 Mode: Cut Material: Foil	GreatCut 3\cutter\GccRX.ECD	•	
COM/ © LPT © USB / FireWire Devic USB/ FireWire © TCP / IP:	Please select >> Settings Settings	Default Settings Keep reference point Wait after segment Sort before output	V Weed border: Overlap: Copies spacing:	2.00 mm 0.00 mm 0.00 mm	
TCF 7 II .		Plot to file	Segment spacing:	0.00 mm	
TCP/IP 💿 🖿	192 . 167 . 101 . 170 Port: 9100 👻	Read out automatically	Stack spacing:	0.00 mm	
Spooler:		Output only tool-assigned lay	vers 🔲 No tooltips		
Spooler 🔘 🤶	?? OneNote 2010 🔹	Enable output for objects larger than page size			
	OK Cancel	ок	Cancel	Apply	

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

anto:	Great	Cut 3 - [i-Craft	詳識圖.job *1		Output to device GCC RX-1015	8 x
x Y				Settings Window Help 7 J J J J J P P P P P P P P P P P P P P	Output Device 00C 800-1015 Number of cudputs 1 Output bolk-sequed by	
400 500 3	N	Send by E <u>m</u> ail Import E <u>xport</u> Print		0 100 	Parameter Value Personator 80 Gased (mail) 100 Material works (mod) 470.35 Length (min) 30000.00 Cut off 0rt AutoGut Data(min) 5 Step count 1	
200 300	P	Quit	Ctrl+Q		Accuracy [formal Orace [few oragin Digital: Al objects: Al objects: Preview Output Preview Output Read material 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).

GCC

urrent Out	put Device					
GCC RX-	101S					Add local device
Driver:	GCC RX-61					Connect to Plot Manager
File:	C:\Program Files\GCC\Grea	tCut 3\	cutter\GccRX.ECD			Change
Port:	192.168.101.170				L	Delete
Mode:	Cut				•	
Material:	Foil			_	•	
efault Sett	ings					
Keep r	eference point	V	Weed border:	2.00	mm	
🔲 Wait a	fter segment		Overlap:	0.00	mm	
Sort be	efore output		Copies spacing:	0.00	mm	
Plot to	file	:	Segment spacing:	0.00	mm	
Read o	out automatically		Stack spacing:	0.00	mm	
Output	only tool-assigned layers	N	lo tooltips			
Enable	output for objects larger th	an pag	e size			
	OK Ca	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.)

This setup all	ows you to	confi	gure yo	ur TCF	P/IP port
IP Address:	192].[168].[1
Model:	RXII-132S			•	



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

GCC Driver	Installation
	The RXII-132S driver installed Do you want to add an attachme

2.6.4 Data Transmitting

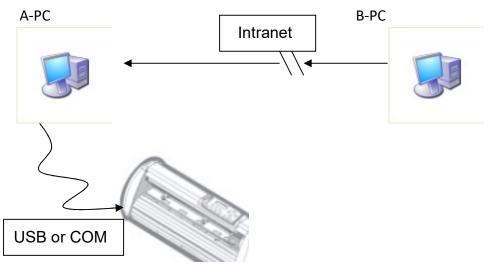
There are two options to transmit the data from the computer to the cutting plotter:

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.

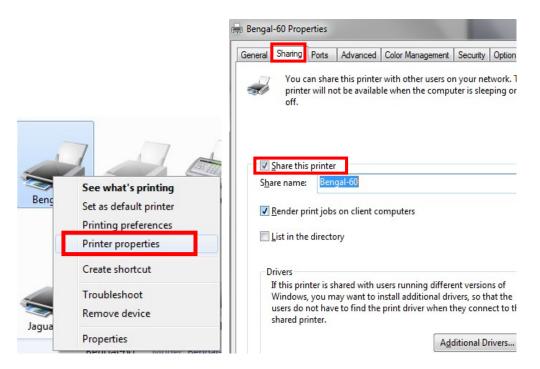
2.6.5 Printer Sever Shared Setting

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



Step 1 Set A-PC's printer driver as a shared printer (Right-click on printer icon, choose "Printer properties". Click "Sharing" tab then check "Share this printer.")

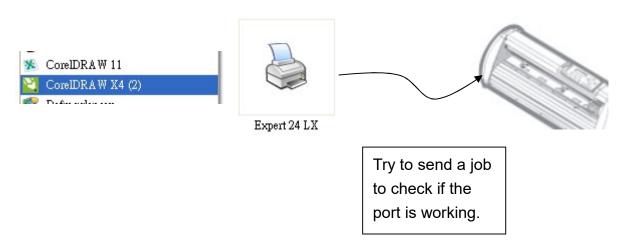




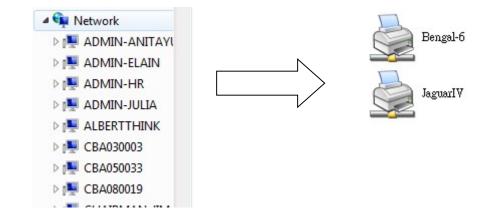
Step 2 Click "Advanced" tab, then choose "Print directly to the printer" option.

General	Sharing	Ports	Advanced	Color Management	Security	Opt
Alw	ays avail	able				
O Ava	ila <u>b</u> le fro	m	12:00 AM	To	12:00	AM
Priority	: 1		•			
Driver:	E	Bengal-6	i0		•	Ve <u>w</u>
Spo	ol print o	locume	nts so progr	am finishes printing	a faster	
			er last page			
	Start prir	nting <u>i</u> m	mediately			
0						

Step 3 Send a job from A-PC to the machine to check if A-PC is connected to the machine.



Step 4 Activate A-PC's Printer Driver from B-PC's Network.



Step 5 Right-click on the printer icon, and select "Connect" to A-PC's printer.



GCC



2.7 Software Installation

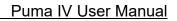
2.7.1 GreatCut Installation

Step 1 Visit GreatCut online registration page <u>http://gccvoucher.eurosystems.lu/</u>, enter your voucher code provided when purchasing GreatCut and click "Go on!"

C		Please visit GCC website to download software. https://www.gccworld.com/download.php		
		 GreatCut Register your product with voucher code online within 3 months after receiving your cutting plotter to avoid voucher code expiring. http://gccvoucher.eurosystems.lu/ 		
Gre	at Cut	 Get your activation code from email to activate GreatCut after completing registration online. If you lost your voucher code after registration, 		
	0	you can retrieve your original voucher code from GCC Club: http://club.gccworld.com		
(Sur	eCuls	GreatCut Voucher Code		
	1 LOG	Sure Cuts A Lot • After completing installation of SCAL, enter license code into SCAL to complete activation.		
www.G	GCCworld.com	Sure Cuts A Lot Voucher Code		
Great Co	omputer Corp. Softwa	are Voucher Code	GCC (ireat Cut
			5	TONECUT
Please ente	r your voucher code complete	ely and accurately as it stands on the voucher.		
Voucher Co	de KGCC-XXXXX-XXXXX-XX	XXX-XXXXX		
	Go On! >			
In case of p	roblems or questions you car	n reach our technical support over <u>tech.support</u>	@gcc.com.tw.	
[Homepage	e Great Computer Corp.]			
Great Co	omputer Corp. Softwa	are Voucher Code	GCC	
Please ente	er your voucher code complete	ely and accurately as it stands on the voucher.		
Voucher Co	de KGCC-XXXXX-XXXXX-XX	xxx-xxxxx		
	Go On! >			
In case of p		n reach our technical support over <u>tech.support</u>	acc com tw	
	e Great Computer Corp.]	r reach our technical support over tech.support	agec.com.tw.	
Step 2 Click "Re	quest" to go t	o registration page.		
Great C	omputer Corp. Softw	vare Voucher Code	GCC	GreatCut
		e voucher for a full license of GreatCut 3.	as the following button:	

License code for new full license Request

[Homepage Great Computer Corp.]





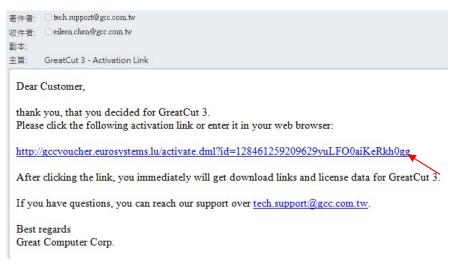
Step 3 Fill in the required information and click "Request license code."

	nload GreatCut 3
Great	at the second
Software Registra	
Last name, first name:	Eileen , Chen Required fields
	Would you please use Latin resp. West-European characters!
Company:	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.





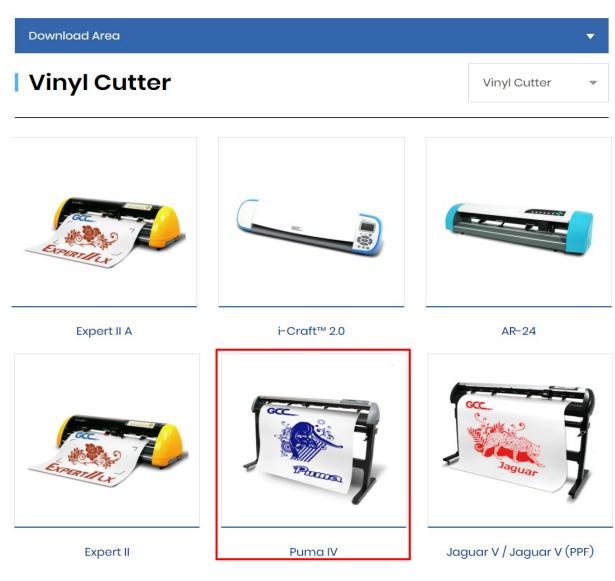
Step 6 Visit GCC website and go to "SUPPORT" page to download the user manual,

driver and software (https://www.gccworldnew.com/download.php).

GCC					0	
Innovation With a Human Touch ABO	UT APPLICATIONS	PRODUCTS	SHOWCASE	SUPPORT	CONTACT	CAREERS
		our the	of oral man all the second	Buyer's Guid	e	and the support
	1010 000000	1 4	1112	Tech Suppor	t	
			18/10	GCC Club		
	1101 101001		111	Online Video		
101 1010110	11001001 10		2/6	Download Ar		
101101 101001		NATIONAL DATA		Product Term	nination Policy	
1			14	-		

Download Area		•					
Download Area							
enter keywords to search		Q SEARCH					
C)r browse by machine mode	91					
Vinyl Cutter	Laser Engraver	Laser Cutter					





Software		•
Title	Size	Download
GreatCut 4 for Windows (V.17.0.20.21868)	294MB	Download
Sure Cuts A Lot 5 for Windows 64 bit (v5_044GCC)	73.6MB	Download
Sure Cuts A Lot 5 for Windows 32 bit (v5_044GCC)	55.7MB	Download
Sure Cuts A Lot 5 for MAC (v5_044GCC)	36.2MB	Download

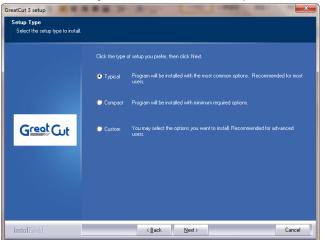


Step 7 Select a destination folder.

	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 Foldes CAProgram Files/GCCVGrea/Cut 3 Browse

Step 8 Select Typical and click Next.

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



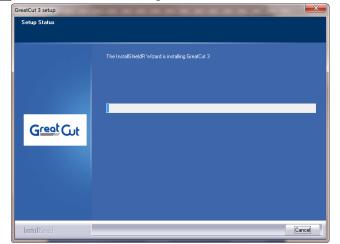
Step 9 Select the folder and click Next.

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

SreatCut 3 setup Select Program Folder Please select a program folder Greect Cut	Setup will add program icons to the Program Folder Eated below. You may type a new or select one from the existing folders tot. Click New to continue. Program Folder: TCCNerealCur 3 Existing Folder: Administrative Tools ASUS URBY Bulicp Catalyst Control Center ComBPA/Biliceptics Suite X7 ComBPA/Biliceptics Suite X7 ComBPA/B	folder name,
InstallShield	< Back Next >	Cancel



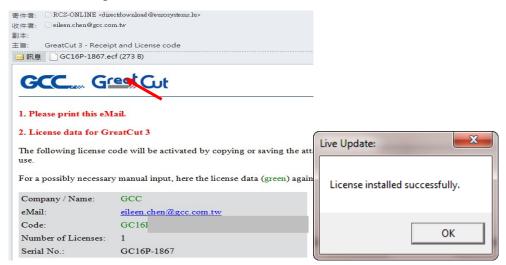
Step 10 GreatCut is installing.



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.





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.

Note: Please fill out the fields of the license data exactly as you received it. Company / name: GCC Mall: Image: Code: Kriss lee@gcc.com.tw Code: System information PIN: 3666223328-0-9-1-57-MARKET-KEIRA2 OK	
書件書: □RCS-ONLINE directionale@eurosystems.lu> 書件日期: : 收件書: □elisen.chen@goc.com.tv 副本:	2015/2/25
主言: GreatCut 3 - Receipt and License code □ RB □GC16P-1867.ecf (273 B)	
The following license code will be activated by copying or saving the attached file to the computer and starting it via double click activation is done fully automatic and GreatCut 3 is ready to use. For a possibly necessary manual input, here the license data (green) again in plain text:	t. Thus th
Company / Name: GCC eMail: eileen.chen@gcc.com.tw	
Code: GC16	
Number of Licenses: 1	
Serial No.: GC16P-1867	

Step 14 GreatCut is ready to use now.

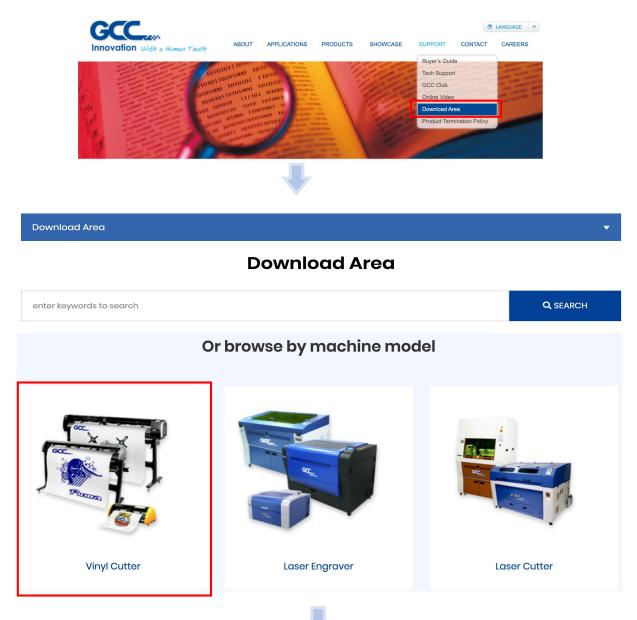


2.7.2 Sure Cuts A Lot Installation (Optional Item)

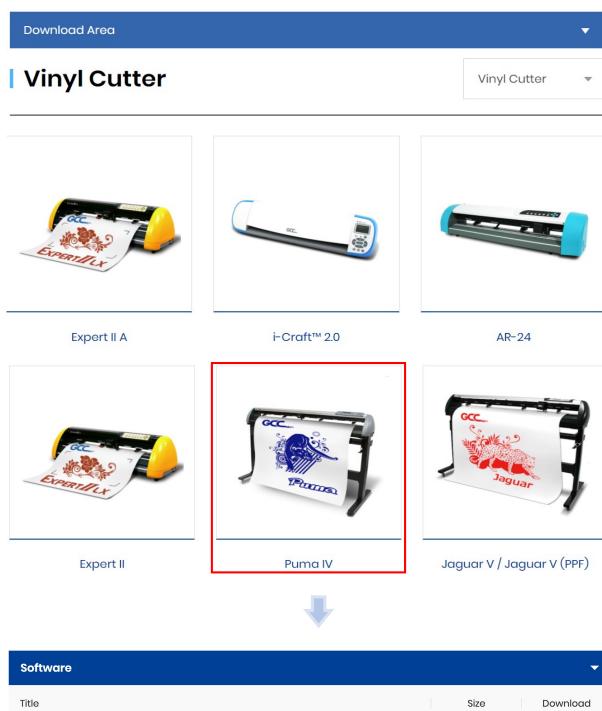
2.7.2.1 Auto Installation

Step 1 Visit GCC website and go to "SUPPORT" page to download the software (https://www.gccworldnew.com/download.php). The software is compatible with Windows 7 and above and Macintosh OSX 10.6 and above.







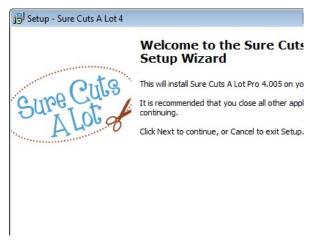


Title	Size	Download
GreatCut 4 for Windows (V.17.0.20.21868)	294MB	Download
Sure Cuts A Lot 5 for Windows 64 bit (v5_044GCC)	73.6MB	Download
Sure Cuts A Lot 5 for Windows 32 bit (v5_044GCC)	55.7MB	Download
Sure Cuts A Lot 5 for MAC (v5_044GCC)	36.2MB	Download

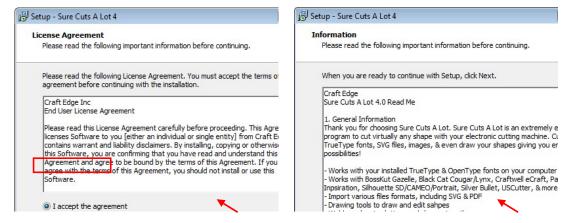


Step 2 Select "Install Sure Cuts A Lot" to start the installation.

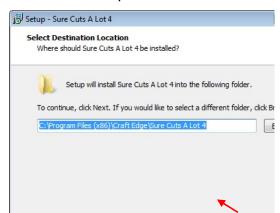
Step 3 Press Next to continue.



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."





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 whil Lot 4, then dick Next.	le installing S
Additional icons:	
File extensions:	
Associate "scut4" extension	
ietup - Sure Cuts A Lot 4 Ready to Install Setup is now ready to begin installing Sure Cuts A Lot 4 on your computer.	j글 Setup - Sure Cuts A Lot 4 Installing Please wait while Setup installs Sure Cuts A Lot 4 on your computer
Click Install to continue with the installation, or click Back if you want to rev change any settings.	Extracting files C: \Program Files (x86)\Craft Edge\Sure Cuts A Lot 4\Hints\style.cs
Destination location: C:\Program Files (x86)\Craft Edge\Sure Cuts A Lot 4 Additional tasks:	
File extensions: Associate "scut4" extension	

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

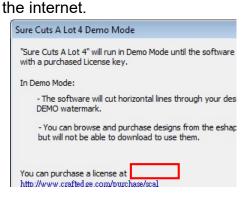
🕞 Setup - Sure Cuts A Lot 4	
	Completing the Sure Cuts Setup Wizard
Sure Cuts	Setup has finished installing Sure Cuts A Lot 4 - computer. The application may be launched by installed icons. Click Finish to exit Setup.
	Launch Sure Cuts A Lot
	▼.



Step 8 Run Sure Cuts A Lot.



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



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



Activate Sure Cuts A Lot 5	Please enter your Name and Serial.
Please enter your Name and Serial.	Activation Thank you for activating the software If you need to move the software to a new cc Deactivate under the Help menu (Requires ar





Step 11 Launch Sure Cuts A Lot, select "My Cutter" under "Cutter" and select "Manage Cutters."

e Edit Object Path Layer Page Effects Text Vi	ew Cutter Window Help
New Open Save Out Copy Para Undo Re	Mat Size Mat Orientation
inew Open Save Con Copy rase Codo ne	Preview Ctrl+Shift+P
landles: Basic 🔻	Cut with GCC
Page 1 🛛 🚫 🔂	Cutter Settings
	8 My Cutter
	Tablet Connection

Step 12 Select Company/ Brand as "GCC" and the model you want to output, and then click the "Add to list" button and "Done."

8 9 1	0 11 12 Manage My Cutters	
	Cutters you currently have added are liste to add another Brand/Model.	
	Cutter	Add a Cutter
	GCC i-Craft GCC	Company/E M < Add
	Remove Remove All	Þ

Step 13 Sure Cuts A Lot is ready to use.

Note

✓ 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.



2.7.2.2 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.

Please enter you	r Name, Serial and Acti	ivation Code.
Name:	k	
Serial:	69212-01482-6	9910-41083-92243
Site Code:	62920-43822-2	4190-41812
Activation Code	:	
🔽 Activate mar	mally	Cancel

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 voucher code card) and site code.





<u>GCC....</u>

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

within "Sure trying to activ	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 a /ate on.
need to choo serial number	ivate in order to use the full version of the software. Generally, you will ju se Activate from the Help menu in Sure Cuts A Lot and enter your name r. The software will try to activate automatically and you can disregard thi o not use this web page if you have not installed the software yet or have
	ne About box in Sure Cuts A Lot and it shows your name and serial numbe
the software	is activated ok.
the software If you have p an Activation confirmation	
the software If you have p an Activation confirmation	is activated ok. roblems activating automatically, you must use this web page and genera Code. The Name and Serial information is obtained from your purchase e-mail. The Site Code is obtained by running the program and choosing
the software If you have p an Activation confirmation "Activate" a	is activated ok. roblems activating automatically, you must use this web page and genera 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.
the software If you have p an Activation confirmation "Activate" a	is activated ok. roblems activating automatically, you must use this web page and genera 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
the software If you have p an Activation confirmation "Activate" a Name:	is activated ok. roblems activating automatically, you must use this web page and genera 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

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

2.7.2.3 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.

Sure Cuts A Lot 4: Untitled	
File Edit Object Path Layer Page Effects Text View Cutter Window	Help
New Open Save Cut Copy Paste Lindo Redo Import Trace L	About Sure Cu Help Online Forum:
Handles: Basic	Online Video 1 Install Driver
	Support Register Produ
	Check for Upd Deactivate





Are you sure you want to deactivate the software?

Deactivating will allow you to re-install on a different cc (Requires an Internet connection)

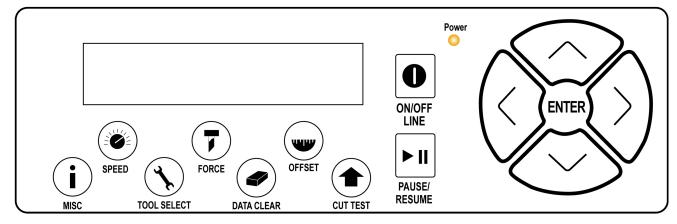




Chapter 3 The Control Panel

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

3.1 The LCD Panel



< LCD Control Panel on Puma IV series >

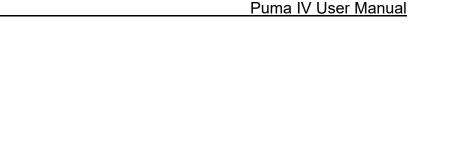
Кеу	Function
LCD Screen	To display functions and error messages.
Power LED	To indicate the power status (light up: power on; light off: power off)
4 Arrow Keys	To move position, select function, or change setting.
ENTER	To set item or register the immediately preceding input value.
PAUSE/RESUME	To temporarily 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 tests on different media
DATA CLEAR	To clear up buffer memory.
TOOL SELECT	To select tools.
MISC	To set up functions.

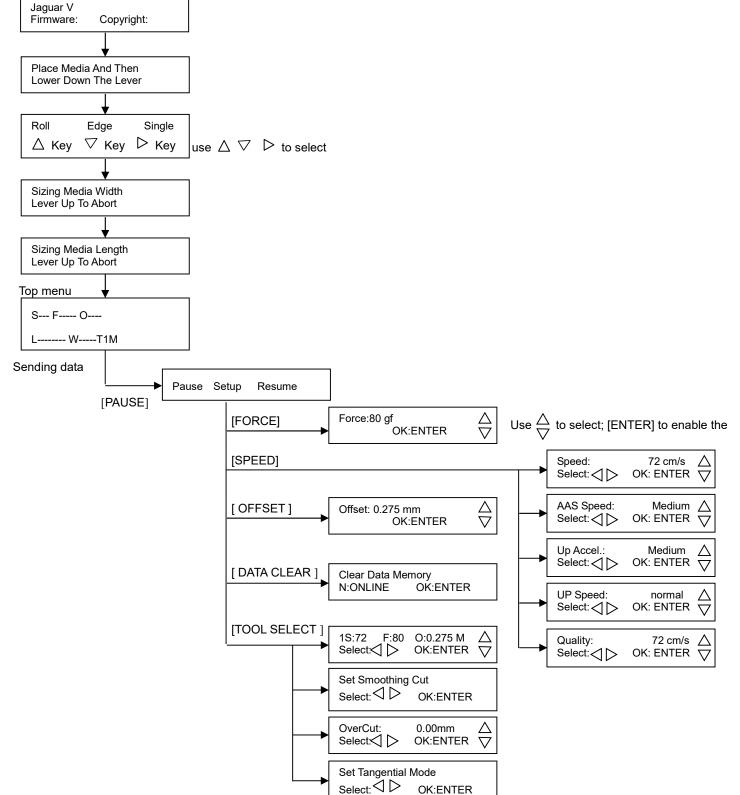
Please see details in "3.4 Menu Items"



Cutter LCM Version- - -

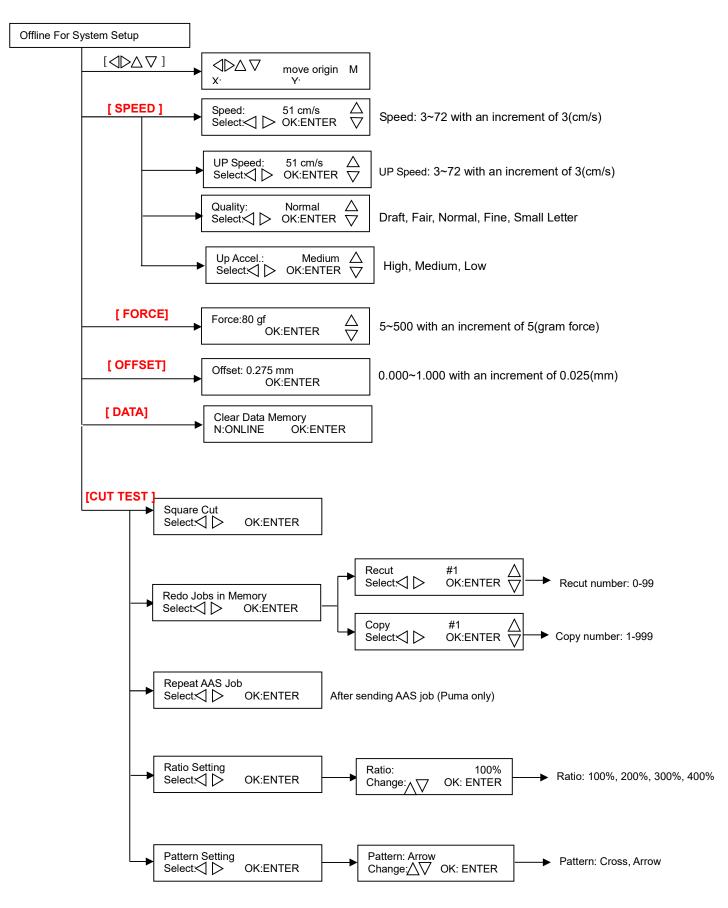
Power On Puma IV (LX) in processing



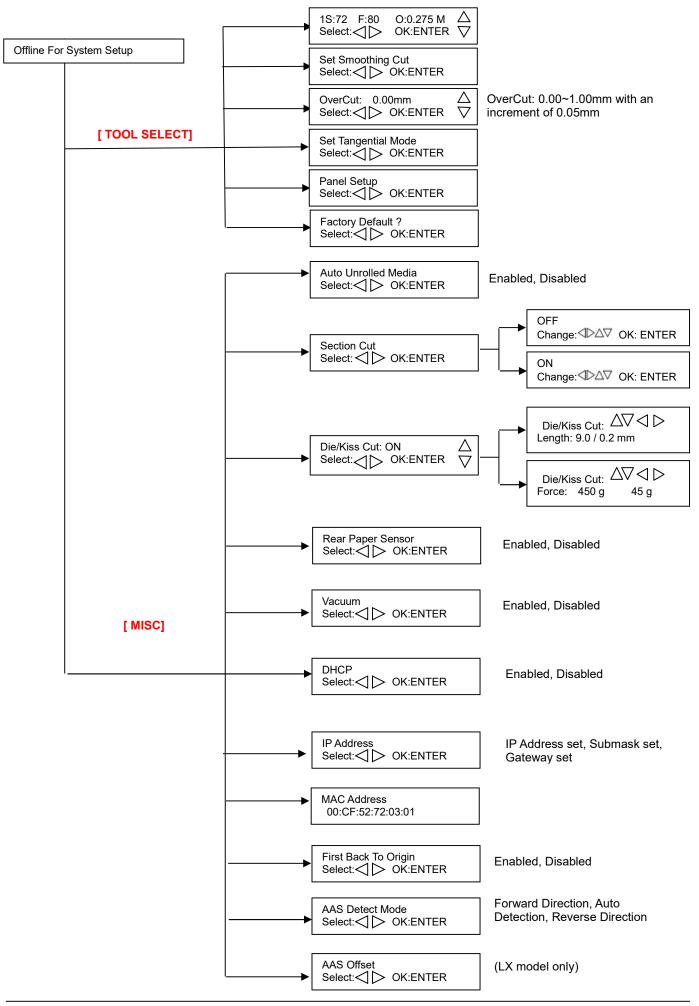


3.3 Menu in Off-line Mode

Press [ON/OFF LINE] to switch to the offline mode

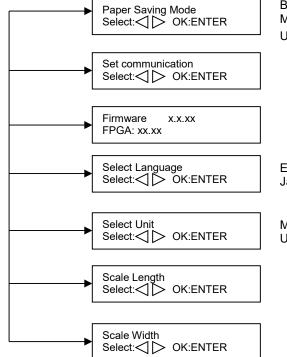








Puma IV User Manual



Both Expanded Mode, Length Expanded Mode, Width Expanded Mode, Both Unexpanded Mode,

English, Francais, Türkce, Polski, Ingles, Japanese, Deutsch, Italian, Espanol

Metric (cm/g), Unit (inch/ g), Unit (cm/ oz), English (inch/ oz)



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 Tracking	
		150 meters	
Edge	To measure media width and pull the media back till the front paper sensor open.	Maximum Tracking 150 meters	
Single	To measure media width and length.	Maximum Tracking 10 meters	
	POWER		
	To indicate the power status.		
	[Arrow Keys]	1	
	1. To move the tool carriage position on X or Y axis.		
	2. To select functions or change values of settings.		
	[ENTER]	1	
	1. The displayed parameters will be saved automatically.		
	2. 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]	1	
	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]		
	To set or modify the distance between the blade tip and the	0.000~1.000mm	0.275mm
	center axis.		
	[FORCE]		
	To set or modify the value of tool force.	5~500gram; 5 gram/per step	80 gram
	[SPEED]		
Speed	To set or modify tool speed at horizontal moving.	3~72 cm/sec;	51cm/sec
l w		3cm/sec per step	
Up Speed	To set or modify tool speed while the tool move from endpoint		51cm/sec
	to next start point at horizontal moving.	3cm/sec per step	
Quality	To set or modify cutting quality.	Draft, Normal,	Normal
2		Fair, Fine	
	[Slower speeds / higher quality - Faster speeds / lower quality]	,	
	The Set Cutting Quality Page 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 Quality Mode offers the highest		
	quality, sacrificing output speed. Keep in mind that speed and		
	quality are usually at a tradeoff.		

Up Accel.	To set or modify tool acceleration levels while the tool move	High, Medium,	<u>User Mar</u> Medium
op Accel.	from endpoint to next start point at horizontal moving.	Low	Medium
	[CUT TEST]		
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 speed.		
Redo Jobs in Memory	To redo the cut test jobs saved in memory by recutting or producing cut test copies. Recut number: 0 means limitless. If you want to set number as 0, you should set that between repowering the cutter and putting down the lever.	Recut (number of jobs: 0-99) Copy (number of jobs: 1-999)	Recut
Repeat AAS	To repeat AAS jobs automatically without having to operate		
Job	on the computer side. 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.		
	This option will appear after finishing reading all registration marks (Puma only).		
Ratio Setting	To adjust the size of the pattern	100%, 200%, 300%, 400%	100%
Pattern Setting	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]		
			Pattern 1
Save Parameter Set Smoothing Cut	[TOOL SELECT] 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 displayed in this section. To adjust or check individual parameters, go back to the responding keys on the panel and press "Enter" to		Pattern 1 Enable
Parameter Set Smoothing	[TOOL SELECT] 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 displayed in this section. To adjust or check individual parameters, go back to the responding keys on the panel and press "Enter" to confirm.		Enable
Parameter Set Smoothing Cut Over Cut Set Tangential	[TOOL SELECT] 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 displayed in this section. To adjust or check individual parameters, go back to the responding keys on the panel and press "Enter" to confirm. To enable smooth-cutting function.	0.00mm-1.00mm	Enable
Parameter Set Smoothing Cut Over Cut Set Tangential Mode	[TOOL SELECT] 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 displayed in this section. To adjust or check individual parameters, go back to the responding keys on the panel and press "Enter" to confirm. To enable smooth-cutting function. To generate an overcut to facilitate weeding. To enable the emulated tangential-cutting mode for thicker media types and small letter cuts. Note: while the Offset value setting at 0.000 mm, "Set	0.00mm-1.00mm	Enable 0.00mm
Parameter Set Smoothing Cut	[TOOL SELECT]To save pattern(s) of cutting parameters for later use.There are 4 sets of parameters saved in the panel. Use PageUp and Page Down keys to select the set of parameters youwish to adjust, press "Enter" to confirm (the number shown onthe upper left corner will change accordingly). Each set ofparameters includes Speed, Force, Offset, Up Speed, Qualityand Scaling though the latter three will not be displayed in thissection. To adjust or check individual parameters, go back tothe responding keys on the panel and press "Enter" toconfirm.To enable smooth-cutting function.To enable the emulated tangential-cutting mode for thickermedia types and small letter cuts.Note: while the Offset value setting at 0.000 mm, "SetTangential Mode" will automatically be disabled.Accept setup command:To accept commands of the Force, Speed, Cutting Quality,	0.00mm-1.00mm	Enable 0.00mm



	[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. 		Enable
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.		200mm intervals
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	
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
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
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 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 detecting the registration marks. 3. Reverse direction: to detect the registration marks in reversed media feeding direction 		
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.		
AAS Offset	To set or modify AAS offset value. (Puma only) You can refer to "5.3 Printer Test" for more details.		
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, p 9600pbs, 7 Bits with NO Parity 9600, e, 7, 1, p 9600pbs, 7 Bits with ODD 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		

<u>GCC</u>

Puma IV User Manual

Scale Width			
Scale Length	Fixed scaling, for maintenance only.		
Select Units	Provide four-unit systems for users convenient.	cm/s; inch/oz; cm/oz; inch/gram	Metric
Select Language	To select displayed languages on LCM panel in English, Spanish, Italian, Deutsch, Japanese, Portuguese, Polish, Turkish or French.		English
Firmware Version	To display the version number of Firmware and FPGA code.		
	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 Parity19200, n, 8, 1, p19200pbs, 8 Bits with NO Parity19200, o, 8, 1, p19200pbs, 8 Bits with ODD Parity19200, e, 8, 1, p19200pbs, 8 Bits with EVEN Parity		



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:

Pull the lever upward to raise the pinch rollers. (Figure 4-1)





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 be covered by the paper sensors on the platen when loading the media. At least one of the two paper sensors should be covered. Once the media covers the sensor, the cutting plotter will size width and length of media automatically.

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 top trail will help you position pinch rollers when media on the platen. (Figure 4-2)



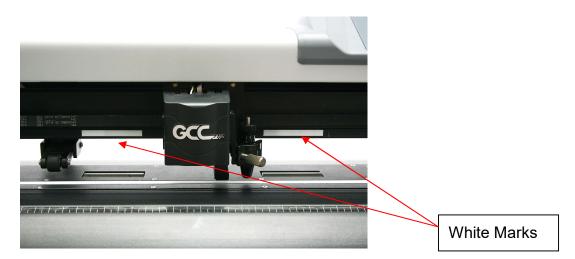


Figure 4-2

Push the lever downward to lower down the pinch rollers.

Turn on the power; the machine will be initialized. Then follow the instruction of LCM to measure the size of the media.

Note:

Move the pinch roller by applying force at the rear portion of the pinch roller support. Do not move it by holding its front rubber roller.



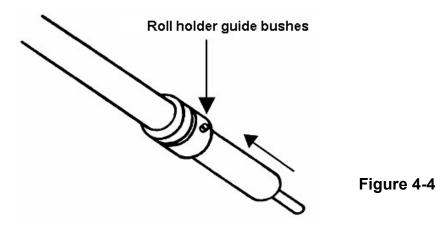
Figure 4-3 correct way to move pinch rollers



4.1.2 Loading the Roll Media

Step 1

Firstly, put the roll media guide bushes on two roll holders. (Figure 4-4)



Step 2

Option A (Use the media flange)

Insert a roll media flange at the end of each roll media and tighten the thumbscrew until the roll media is firmly gripped. (Figure 4-5)

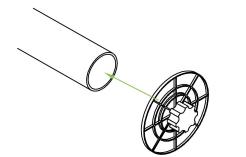


Figure 4-5

Then put the roll media on the roll holders. Adjust the position of the roll media ensure that the media flange is able to run in the groove of roll holder guide bushes. (Figure 4-6)

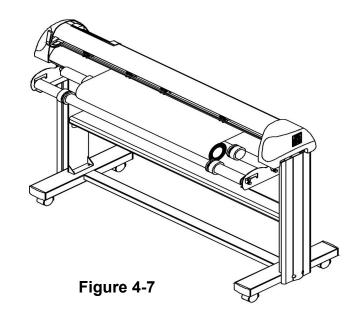


Operation



Option B

Insert the two roll holders into the roll media support set, and then place the roll media directly between the two roll holders. (Figure 4-7)



Step 3

Load the media on the platen. After loading the roll media, flatten the media on the platen and hold the front edge of the roll media firmly (Figure 4-8)

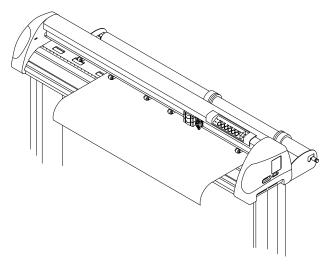
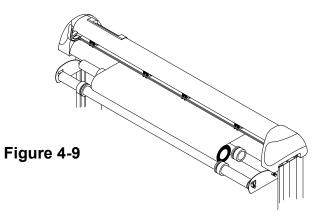


Figure 4-8



Step 4

Then turn the roll downward to make an equal tension across the media. (Figure 4-9)



Step 5

Move the pinch rollers to the precise location and be careful that the pinch rollers must be positioned above the grid drums.

Step 6

Push the lever downward to lower down the pinch rollers.

Step 7

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

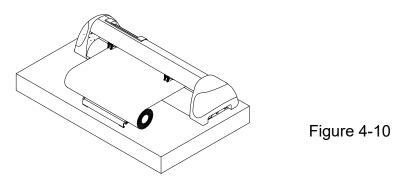
Step 8

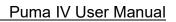
Turn on the power switch and select Roll, Edge or Single mode appropriate for one time setup, or set to Default Roll in Sizing Setting and Roll type sizing will be performed when the machine is turned on. Then the cutting plotter is ready to work.

Step 9

Unloading media: Reversing steps mentioned above to remove the media.

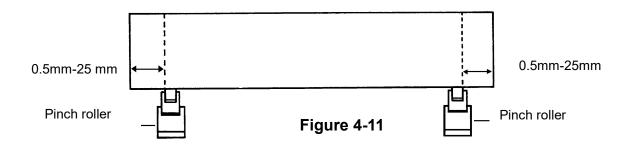
For the users of Puma IV 60 LX / Puma IV 60, you can also use the "Roll Base" (a standard accessory of Puma IV 60 LX / Puma IV 60) to feed a roll media. Please adjust the position of roll base to get a good cutting result. (Figure 4-10)





4.2 Tracking Performance

In order to achieve the best tracking performance for a long plot, please leave the margin of 0.5mm~25mm in the left and right edges of the media.(Figure 4-11)



4.3 Cutting Force and Offset Adjustment

Before sending your designs from computer to Puma IV for cutting, please make "Cut Test" to adjust cutting force and offset value.

The "Cut Test" should be repeated several times until the optimum settings are achieved.

Please follow procedure below to optimum the cutting force and offset settings.

Step 1

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.

Step 2

Press [ARROW KEY] to move the tool carriage to the position where you would like to cut. Then, press the [ENTER KEY] to make a "Cut Test".

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

Step 3

When the "Cut Test" is completed, a pattern appears (please refer to Figure 4-12). Peel off the pattern to see if it can be easily separated from the media base. If the output result is good, the cutting force is set appropriately. If not or it cut through the back paper of media, press [FORCE KEY] to adjust the tool force until an optimum force is obtained.





Step 4

If the pattern appears to be BB or CC layout (see Figure 4-12), press [OFFSET KEY] to adjust the offset value until AA pattern is shown.

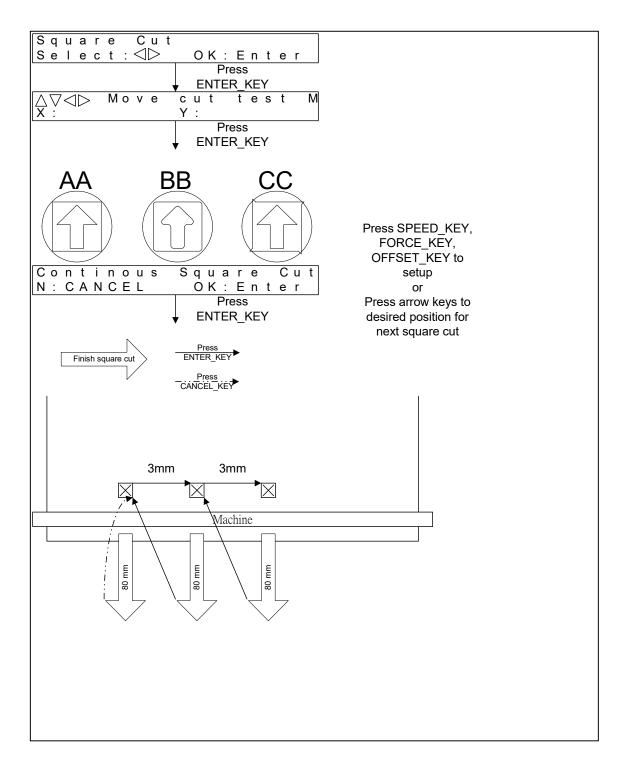


Figure 4-12



4.4 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 4-13)



Figure 4-13

4.5 Puma IV Print Driver setting

4.5.1 Puma IV Print Driver setting > Option Page

General	Sharing	Ports	Advanced	Color	Management	Securit
0	ption		Paper		AAS Insta	ller
Setting			File F	unction		
Pen Spe	ed 30	cm / s			Save	
•			+		Load	
Pen Forc	e 80	g			Original	
•					-	
Offset	0.2	75 mm		58	ave To Default	
•			+		Delete	
Quality	Small Lette	ar	- Cus	tom Media	d	
Image Sc						
X:	-	5000 mm				
•			P.			
Y:	5000 /	5000 mm				
•			P.			
_						
	Plotter Setting		Defa	ault :	2000	
	to Home			flective_fil	m.JA4	
	Origin using pr on Cutting	inter setting		iyl.JA4 ndow_tint.	JA4	
		nm intervals				
<u> </u>	y Registration					
Die C	State State and the state					
Die Cut	1.00	1	Kiss C		1.00	
Ler	ngth	mm		Length	n	nn
For	ce 80	g		Force	40 9	

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

Quality:

[Small Letter / Fine / Normal / Fair / Draft]

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.

Use Plotter Setting:

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

Back to home:

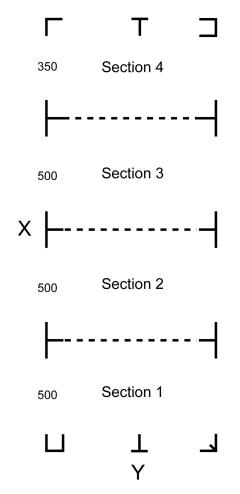
The carriage will return to the original position when this option is selected.





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:

The file function section allows users to set the parameters of Speed, Force, Offset and Quality for later use. 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.

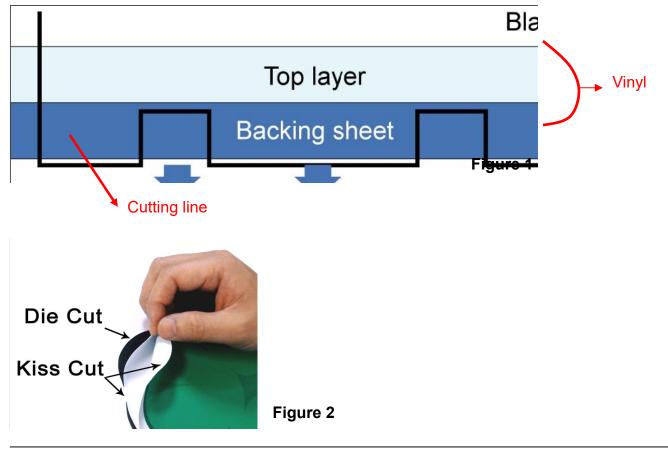
- **Save:** This function will save current print driver parameter settings to a file under the specified location on your computer. (Saved parameter setting files will be tagged with the Puma series extension)
- Load: This function allows you to load previously saved print driver parameters.
- Original: 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, whereas the settings in Default section cannot be deleted. Please note the delete function only removes the list shown in Custom Media section, it does not remove the file from your hard drive, if you wish to completely remove the file from your hard disk, you will have to manually delete the file from your operating system.
- **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.

Die Cut:

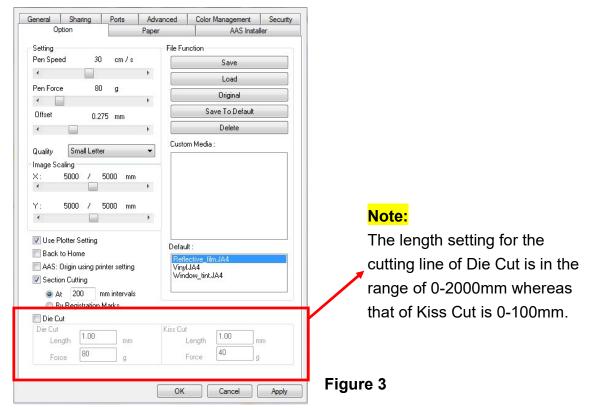
The Die Cut function must be activated with the Kiss Cut function to avoid the falling of cut-through materials and material jam beneath the carriage. Die Cut helps you to cut through the backing of the material while Kiss Cut cuts through only the top layer but not the backing. This will leave only tiny bits of the backing attached to the top layer, creating complete individual patterns with backing sheets (see figure 1 and 2).







To activate the Die Cut function, go to "Option", tick "Die Cut", and enter the amount you wish for the "Length" and "Force" of both Die Cut and Kiss Cut, then click "OK" (see figure 3).



When the job is completed and you untick the Die Cut function, you will be able to adjust the pen speed, pen force, and offset in the section on the top following normal operating procedures (see figure 4).

General	Sharing	Ports	Advanc	ed	Color Management	Securit
0	ption		Paper		AAS Insta	ller
Setting			F	ïle Fun	ction	
Pen Spe	ed 30	cm / s			Save	
•			•		Load	
Pen Ford	e 80) q				
•			•	-	Original	
Offset	0.2	75 mm			Save To Default	
•			•		Delete	
				Custon	n Media :	
Quality	Small Lette	er	-			
Image So	aling					
X:	5000 /	5000 mm				
•	1000		•			
Y:	5000 /	5000 mm				
1. ∢	0000 7	5000 mm				
•			•			
	Plotter Setting					
				Default	÷	
	to Home			Refle	ctive_film.JA4	
AAS:	Origin using p	inter setting		Vinyl.		
V Secti	on Cutting			Wind	ow_tint.JA4	
0 A	it 200	mm intervals				
O E	y Registration	Marks				
Die C						
Die Cut			Ki	ss Cut		
	ngth 1.00	rom			ength 1.00 n	nm
	00				40	
For	ce 🕛	g		F	orce	1
				ОК	Cancel	Apply

Note: the extension of the blade has to be set to cut through both the top layer and the backing in the very beginning. You then adjust the tool force for the best cutting performance.

Figure 4



General	Sharing	Ports	Advanced	Color Management	Security
Opt	ion		Paper	AAS Insta	ller
Paper Size			Unit		
X	2640.0	0 mm		Metric (mm)	
			6		
Y:	1320.0	0 mm	0) Imperial (inch)	
	Vers	All	Puma IV-60 LX t (c) Great Compu Rights Reserved. DV 2.16-02		
			ОК	Cancel	Apply

4.5.2 Puma IV Print Driver setting > Paper Page

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 Jaguar V print driver. You can choose between metric or imperial standards.



4.6 Reference Parameter setting for different materials

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

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	Small text (vinyl)			•
Blade	black			
Blade tip length (mm)	0.27			
Force (g)	thick: 150 thin: 90			
Speed (cm/sec)	9			
Offset (mm)	0.175]		
Recommend model	RX, Jaguar, Puma			



4.7 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.

- ✓ 貼膏 差 🕈 🖿 🖬 🖶 🛠 🖷 🛍 🦘 🔹 👉 - 💕 👫 📮 - 📷 75% x: 43.15 mm № 85.975 mm 100.0 % € 0.0 y: 40.05 mm 179.975 mm 100.0 % € 0.0 ° ⊯ ₽ ₽ -----~ 50 ₽ ³ 4) 20 40 60 80 100 120 140 160 180 200 220 → ★ → GreatCut 4 × 🗗 🎬 捶 🍠 🏇 🐾 🗉 🗯 🗅 👎 Summa Cutt... 🗴 2 001 🖳 🗖 🖷 📶 0, 0 2 A * ۵, ۵, ٠. 유 灣国國國 1的1 ▶ 月日 頁面1
- 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)

<u>C</u> olor	Arrows	
Hairline millimeters	Options Options	
Sty <u>l</u> e:	Share attributes	
Edit style	Calligraphy Stretch: Nib shape:	
Corners: IF IF IF Miter limit: 5.0 •	Angle:	Figure 4-28
L <u>i</u> ne caps: 🔤 📼 📼	Default	
Position:	Behind fill	
Overprint outline	Scale with object	
ОК	Cancel <u>H</u> elp	



color.	•	Arrow	/5	
<u>C</u> olor: <u>W</u> idth:			>	< -
Hairline		* =-		
			•••	io <u>n</u> s 🔻
Sty <u>l</u> e:	RGB Palette		•	
			A R C	
			G 255	shape:
		Green	ВС	
Co <u>r</u> ners:		R: 0 G: 255		
<u>M</u> iter limit:		B:0 #00FF00		
		#00FF00		
L <u>i</u> ne caps:			$\overline{}$	<u>2</u> efault
Position:			100	
O <u>v</u> erpr			-	
		ОК	Cancel	Help

Figure 4-29

3. Outline color has been changed to Green.

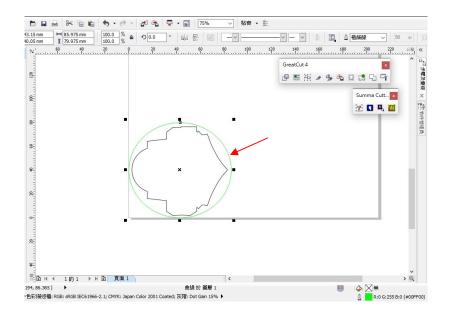


Figure 4-30

 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.





Please note that this chapter is only an instruction to AASII. **Puma IV LX models** feature AAS function, but **Puma IV models** don't. If you are **Puma IV models** user, please skip this chapter. For step-by-step instructions, please refer to the following chapters: A-4 CoreIDRAW Plug-In, A-5 Illustrator Plug-In, A-6 GreatCut Plug-In.

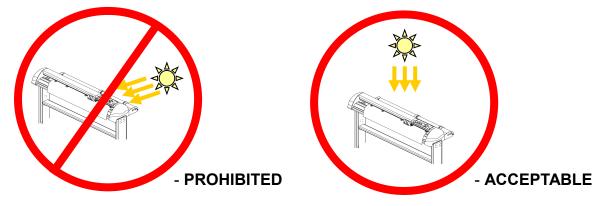
5.1 Introduction

GCC

The Puma IV LX models 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 Calibrating the 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 Media Calibration

GCC

Media Calibration is to ensure the sensor being able to recognize the registration marks. The factory default works on a wide range of materials. However, certain types of materials may not work properly. Performing a media calibration may become necessary while working with such materials to change the sensitivity of AAS for greater reliability. Media calibration adjusts the media feeding according to media type for better accuracy during cutting.

When to use

We suggest white media for best cutting result. It is not necessary to perform media calibration every time unless the registration marks on the printed media become undetectable in AAS sensing process.

5.2.2 AAS Calibration

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 SignPal 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
 - \rightarrow 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
 - \rightarrow 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

5.2.3 AAS II on Puma IV LX

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 SignPal, EasySign 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-4 CorelDraw Plug-In, A-5 Illustrator Plug-In, A-6 GreatCut Plug-In.**

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



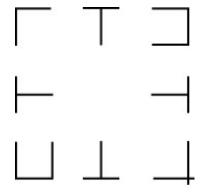
2. Segmental Positioning

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:



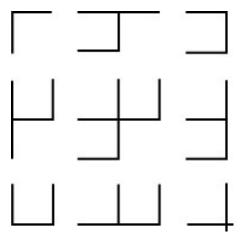
In-between distance on X: 200~600mm, default 300mm In-between distance on Y: 200-600mm, default 300mm



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:



5.3 Printer Test

Before performing AAS contour cutting, it's recommended to print out a test file to make sure the AAS II cutting accuracy. Please visit GCC website and go to Download Area to download the test files.

https://www.gccworld.com/download.php?act=view&id=20

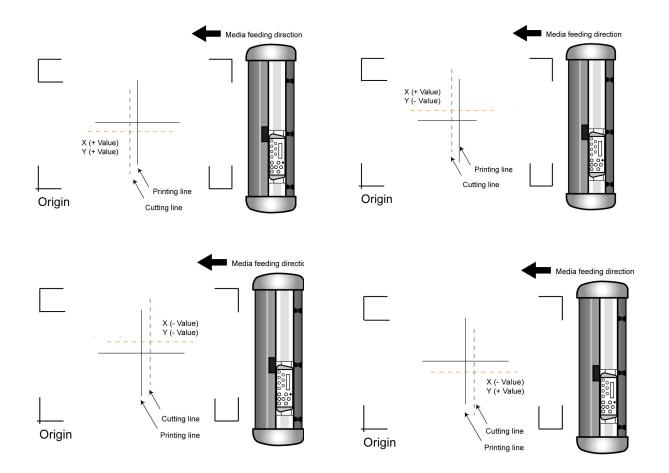
GCC	Company	Applications	Products	Technology	Support	Contact	Link	⊕ en ⊂
Software								•
Product Broc	hure							•
Driver								•
User Manual								•
Other								•
Title						Size		Download
Cutter AAS Off	set Test Files					3.0MB		Download
Cutter Clipart I	Library (AE file)					1107KB		Download

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 Puma IV LX models 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.he direction is from the opposite of the origin mark, then enter positivevalues for the offset (see the following figures). This method applies to bothX and Y axes.

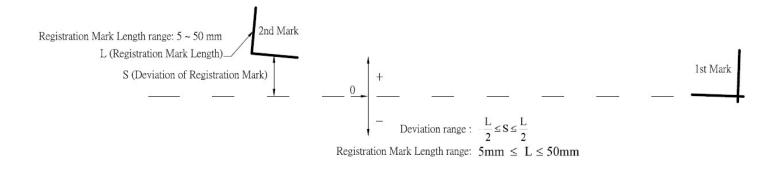


Note:

- 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.

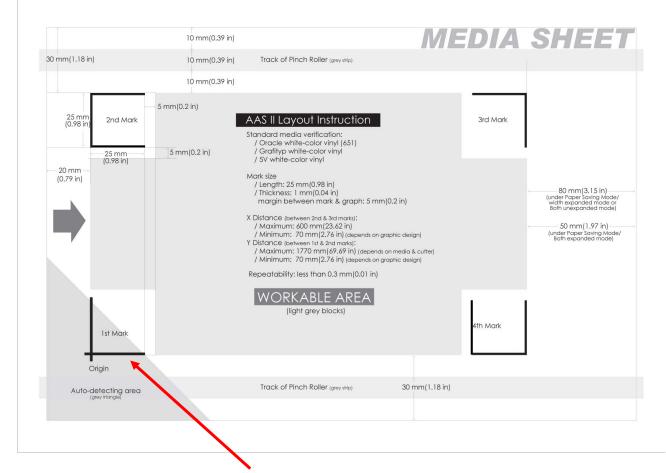
Note:

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



Step 2 Placing the Registration Marks

■ The AAS Layout Instruction:



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

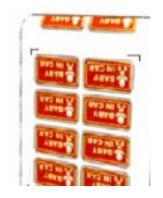
- Suggested 30mm margin on both left and right sides of media sheet.
- Suggested 20~30mm margin on top of media sheet, and at least 50mm margin on

the bottom edge to prevent sheets dropping or any error occurred while media sizing.

Step 3

Print the Graphics

Print the graphic and the marks with your printer



(Scaling = 100%).



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.





Step 5 Cut the Contour

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

Tips for AAS 5.6

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 Puma IV driver property.

Step 1 Find the Puma IV LX 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 1200mm.

- 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 Basic Maintenance

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

6.1 Cleaning the Cutting Plotter

In order to keep the cutting plotter under good condition and best performance, you need to clean the machine properly and regularly.

Precaution in Cleaning



- $\diamond~$ Unplug the cutting plotter before cleaning
- Never use solvents, abrasive cleaners or strong detergents for cleaning. They may damage the surface of the cutting plotter and the moving parts.

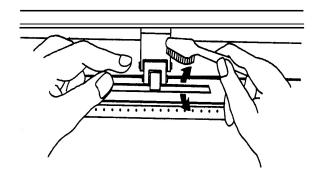
Recommended Methods

- Gently wipe the cutting plotter surface with a lint-free cloth. If necessary, clean with a damp cloth or an alcohol-immersed cloth. Wipe with water to rinse off any residue and dry with 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 or an alcohol-immersed cloth, and dry with a soft, lint-free cloth.
- ✤ Wipe dust and dirt from the stand.



6.2 Cleaning the Grid Drum

- Turn off the cutting plotter, and move the tool carriage away from the area needed to be cleaned.
- Raise the pinch rollers and move them away from the grid drum for cleaning.
- 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

If the pinch rollers need 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 finger to hold the pinch rollers not to rotate.

If needed to remove the 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 sure 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 doesn't the cutting plotter operate?

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 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.

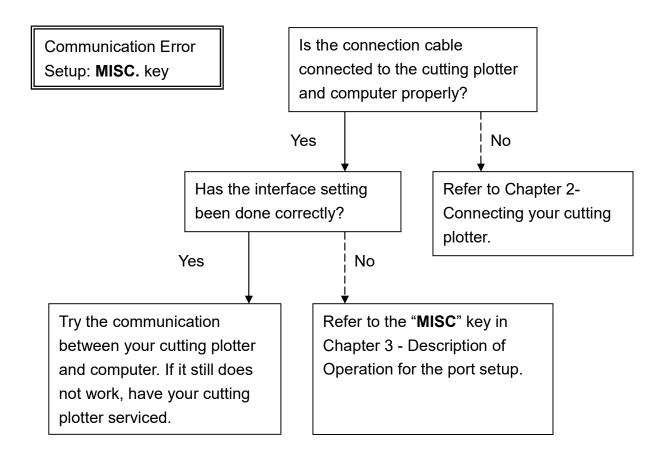
Graph Was Clipped. Data In Buffer This message indicates that the cutting exceeds the cutting limit. Reload larger media or re-scale the plot to a smaller size; then press the key followed by the display of LCM to continue.





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.

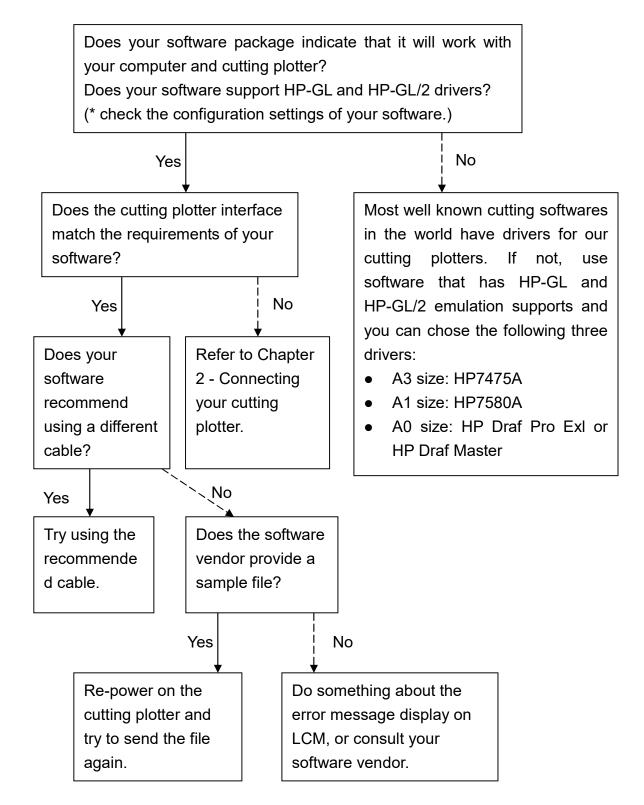
HP-GL/2 Cmd. Error

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.

7.4 Software Problems

GC

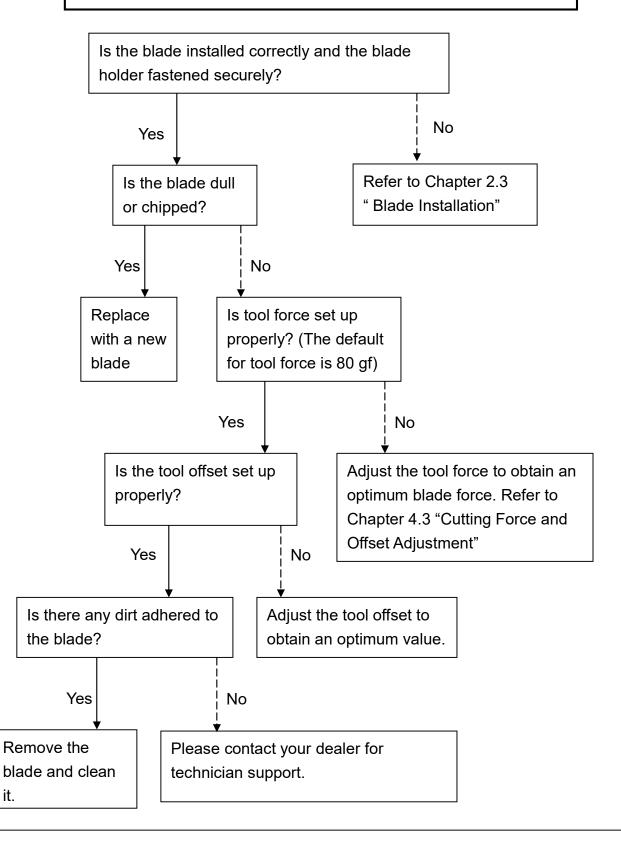
Check the following first:





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.





Puma IV Specification

Model Name/No.	P4-60(LX)	P4-132(LX)			
Operational Method	Rolle	er-Type			
Max. Cutting Width	600 mm (23.6 in)	1300 mm (51.18 in)			
Max. Cutting Length	50 m	(164 ft)			
Max. Media Loading Width	719 mm (28.3 in)	1470 mm (57.87 in)			
Min. Media Loading Width	50 mm	n (1.97 in)			
Acceptable Material Thickness	0.8 mn	n (0.03 in)			
Number of Pinch Rollers	2	4			
Motor Drive	DC Ser	vo Control			
Cutting Force	5~	500 g			
Max. Cutting Speed	1020 mm /sec (40.1	6 ips) (at 45° direction)			
Offset	0~1.0 mm (with an	increase of 0.025 mm)			
Mechanical Resolution	0.009 mn	n (0.00035")			
Software Resolution	0.025 mn	n (0.00098")			
Distance Accuracy	±0.254 mm or ±0.1% of move, whichever is greater				
Repeatability	±0.1mm within 3 meters (* certified media)				
Automatic-Aligning System	Available on Puma IV LX models, including Segmental Positioning and				
Automatic-Aligning System	Auto Rotat	tion functions			
Memory Buffer	32 MB / 16 M	1B (when using AAS)			
Interfaces	USB 2.0 (Full Speed), Se	rial (RS-232C) and Ethernet			
Type of Command	HP-GL	, HP-GL/2			
Control Panel	LCD (20 digits x 2 lines	s), 14 Keys, 1 Power LED			
Diameter of Blade	2.5	5 mm			
	220x 879x258	1065 x 1632 x 620 (including stand)			
Dimension (HxWxD) mm	8.67 x34.61x10.16 in	41.93 x62.25x24.41 in			
Net Weight	13kg / 28.6lb	53 kg / 116.4 lb			
Stand	Optional	Standard			
Power Supply	AC 100-240V, 50~6	60 Hz (auto switching)			
Power Consumption	Max.1	10 watts			
Environment Temperature	15°C ~35°C / 60°	F ~86°F (operating)			
Environment Humidity	25%~ 75% relative	e humidity (operating)			

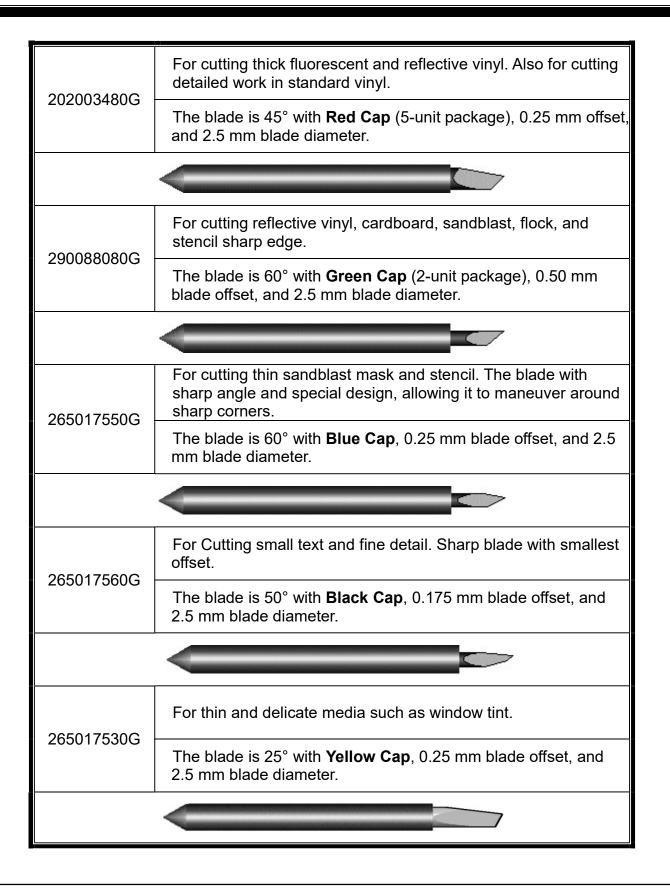
• Compatible with Windows 7and above and MAC OS X 10.6 and above.

• 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

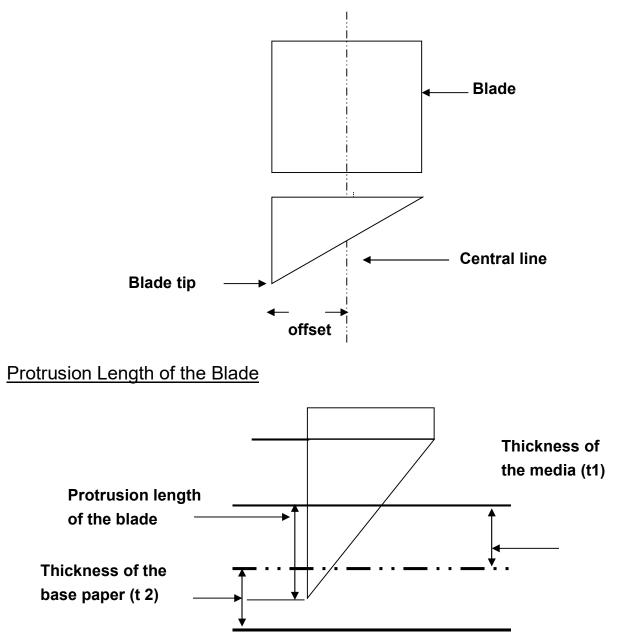




About the Tool

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.

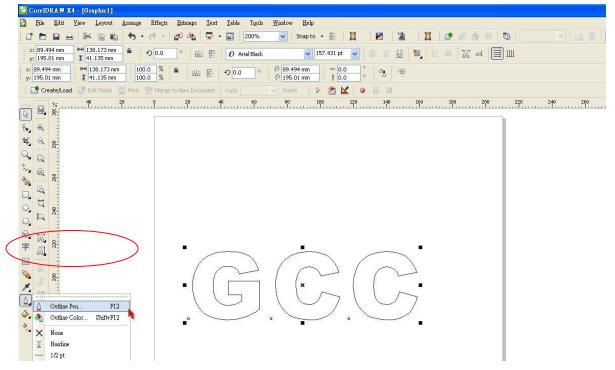


CorelDRAW Output Instruction

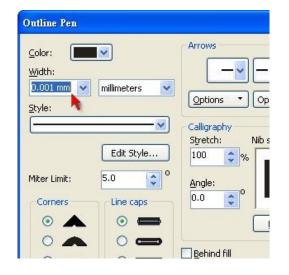
The following is an example of how to output the file through CoreIDRAW.

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.

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5. Choose the correct model you have installed.

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General	Layout	Separations	Prepress	Misc	No Issues
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Comm	nent:				Print to file
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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.**

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Image position and size As in document Fit to page			
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Print tiled pages Tile overlap: 0.0 mm	Bottom left corner Bottom right corner		

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.

nt			
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CoreIDRAW Plug-In Instruction

Puma IV LX cutting plotter features AAS function, but **Puma IV** doesn't. If you are **Puma IV** user, please skip this chapter.

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

Installation

Please refer to Step 8 in Chapter **2.6.1.2** Driver Installation to install AAS plug-in for CoreIDRAW.

Run CorelDRAW 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".

facro name:	
FCCModule.GCC_AAS_Plug_In	
FCCModule.GCC_AAS_Plug_In	

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

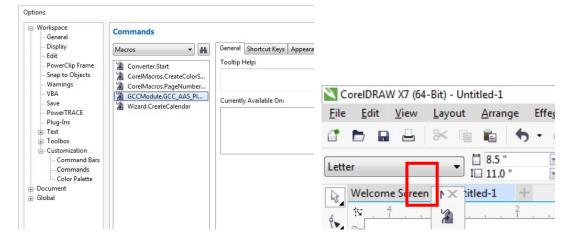
	Add Registration Mark by page size
	4-Point Position
	Length
	Thickness 1 mm (1-2)
	Margin 0 mm (0-50)
	C Segmental Positioning
	X Step 500 mm (200 - 600)
	Y Step 500 mm (200 - 600)
	C Multiple Copies
	No. of X Copies 1 (1 - 50)
	No. of Y Copies 1 (1 - 50)

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.



GCC

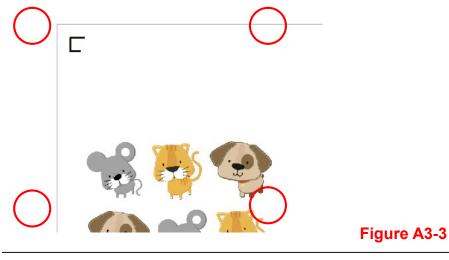


Add Registration Mark by page size

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
2. Please DO NOT make any changes to the "Origin"	C 4-Point Position
section when you choose to add registration marks by	
	Length 11 mm
page size as indicated below otherwise the position of	Thickness 1 mm
the marks will be changed (please see Figure A3-2).	Marcine Transferre
	Margin ₀ mm
Options	Segmental Positioning
	X Step 300 mm
VBA Nudge	Y Step 300
- PowerTRACE Nudge: 1.01 Super nudge: 2 x 0.0	Y Step 300 mm
Toolbox Same units for Duplicate distance, Nudge and Rulers	C Multiple Copies
Customization Command Bz Units	
Commands Horizontal: inches -	No. of X Copies 1
Color Palette Vertical: inches	No. of Y Copies 1
- General Same units for Horizontal and Vertical rulers	
Layout Origin Tick divisions:	Figure A3-1
Background Horizontal: 0.0 inches 8 per tic	
Guidelines Vertical: 0.0 → inches Vertical:	
Grid	Figure A3-2
Edit	

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

GCC

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.

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		Even & Od	d	*]				(+	_)	Right
						Print as bitmap:	300	🔶 dpi	Origin		

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

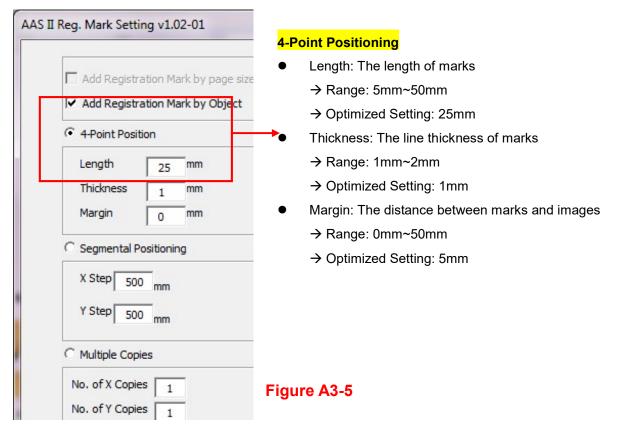
If you tick "Add Registration Mark by Object", you will be offered three options of registration marks as shown below. 4-Point Positioning

		Length: The length of marks
AAS	II Reg. Mark Setting v1.02-01	→ Range: 5mm~50mm
		\rightarrow Optimized Setting: 25mm
	🗖 Add Registration Mark by page size	Thickness: The line thickness of marks
	Add Registration Mark by Object	→ Range: 1mm~2mm
	4-Point Position	\rightarrow Optimized Setting: 1mm
		 Margin: The distance between marks and images
	Length 25 mm	→ Range: 0mm~50mm
	Thickness 1 mm	→ Optimized Setting: 5mm
	Margin 0 mm	
	C Segmental Positioning	Segmental Positioning
		• X Step: The distance of intermediate position on the X axis
	X Step 500 mm	• Y Step: The distance of intermediate position on the Y axis
	Y Step 500 mm	→ Range: 200mm~600mm
	<u> </u>	\rightarrow Optimized Setting: Less than 500mm
	C Multiple Copies	
	No. of X Copies	Multiple Copies
	No. of Y Copies	 No. of X Copies: The numbers of copies on X axis
	No. of r copies 1	 No. of Y Copies: The numbers of copies on Y axis
	Figure A3-4	ightarrow Range: 1~50. (The more copies you make, the more time
		is needed for data transmission.)
		\rightarrow Numbers of X Copies * Numbers of Y Copies = The total
		amount of image copies
		 Copies with outline: To show outlines of image graphics

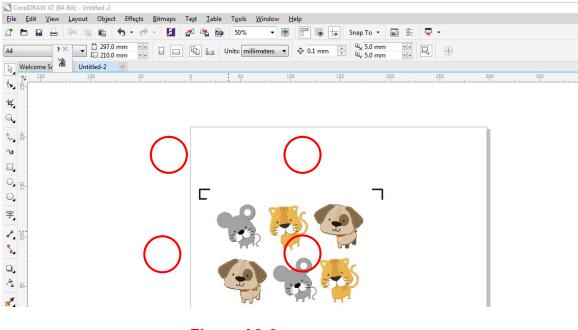
Note: The values entered in the "4-Point Positioning" section (length, thickness and margin) will still be applied when you tick "Segmental Positioning" or "Multiple Copies".

4-Point Positioning

GCC



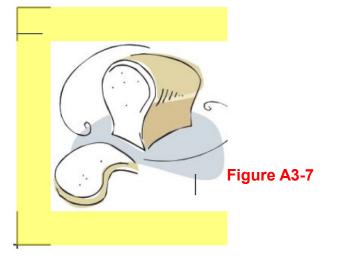
The system will create the 4 marks as shown in the picture below.

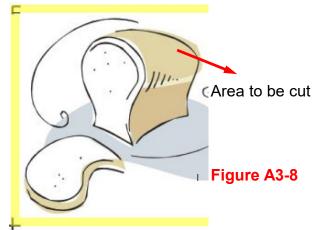


Note:

GCC

 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

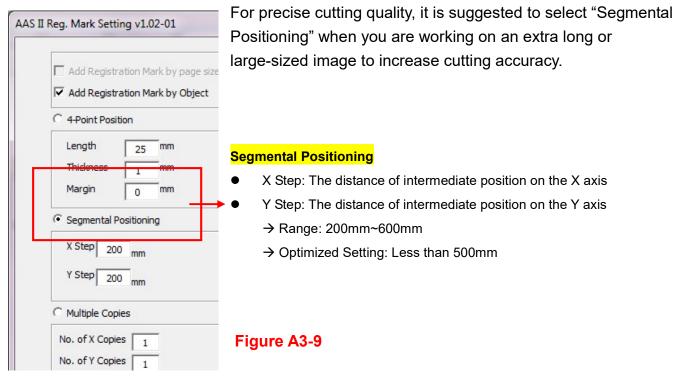
*25mm is the suggested value for the registration mark length

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.

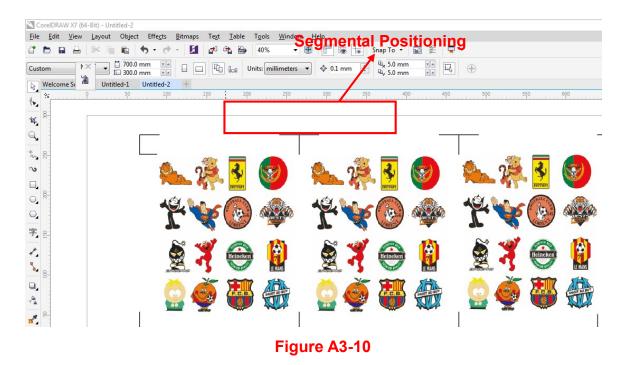
3. If you change the paper size, you will have to reset the registration marks otherwise the previous setting will be applied.

Segmental Positioning

GCC



The system will create the as shown in the picture below

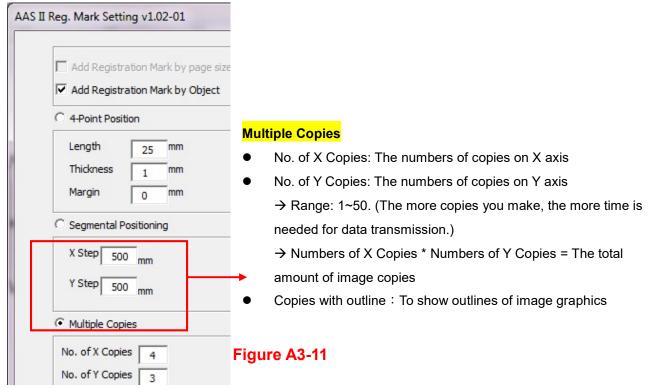


Segmental Positioning will be applied to Multiple Copies when the object to be copied is of large size (with the length or width over 200mm) to increase the accuracy of registration mark detection.

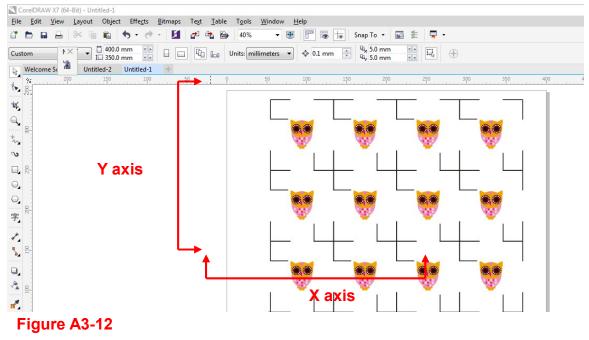
GCC

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.

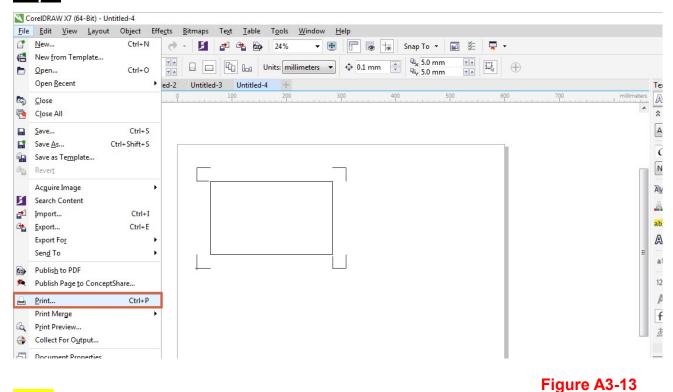






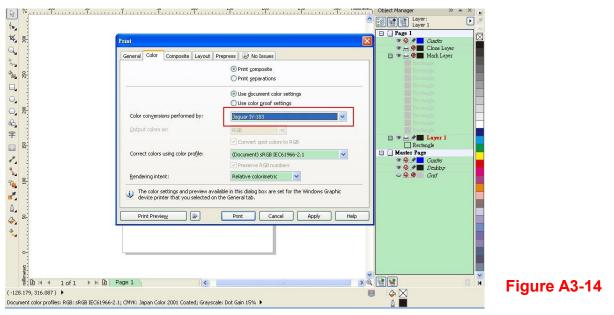
Contour cutting through CorelDraw

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

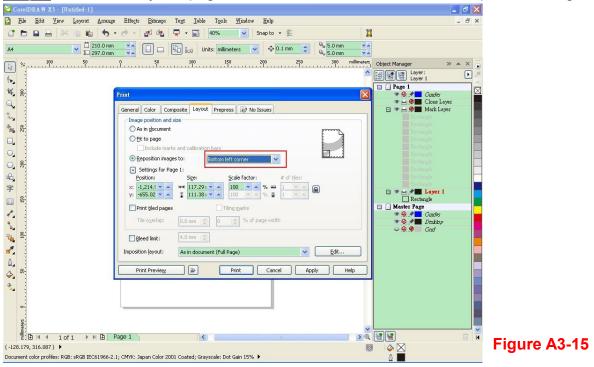


Note: if you use CorelDraw X5 and later, you must follow the steps below.

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).



Step 2 Go to the "Layout" page and select Bottom left corner at "Reposition images to".



Step 3 Click "Print".

GCC



Illustrator Plug-In Instruction

Puma IV LX cutting plotter features AAS function, but **Puma IV** doesn't. If you are **Puma IV** user, please skip this chapter.

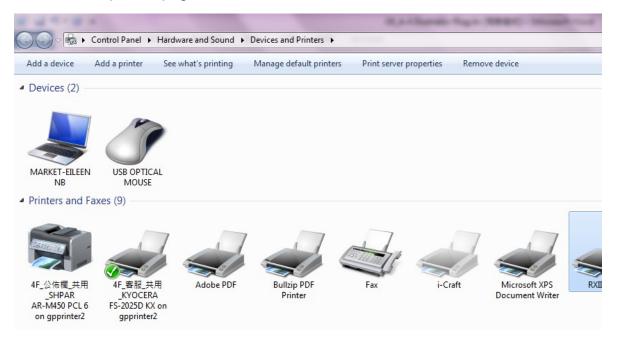
AASII VBA Installer is applicable for Adobe Illustrator Version CS4, CS5, CS6, CC.

Installation

Please refer to Step 8 in Chapter 2.6.1.2 Driver Installation to install AAS plug-in for Adobe Illustrator.

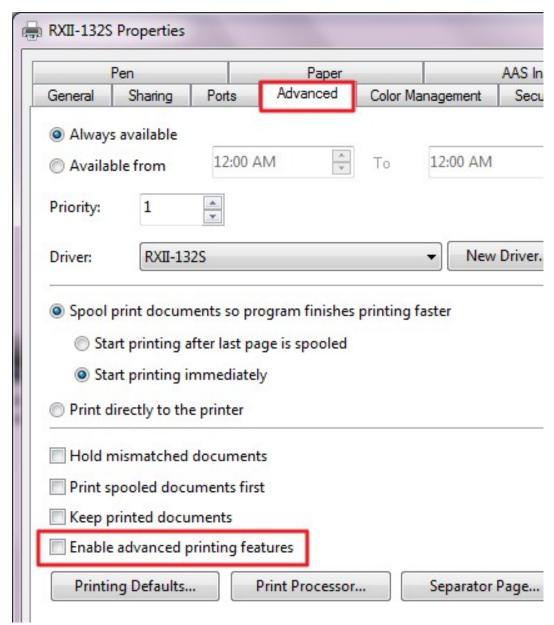
Printer Setting

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.

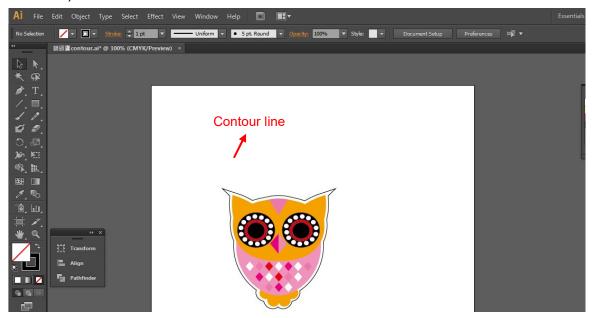




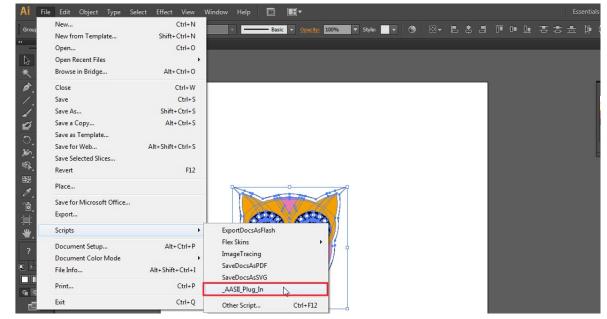
User Instructions

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).

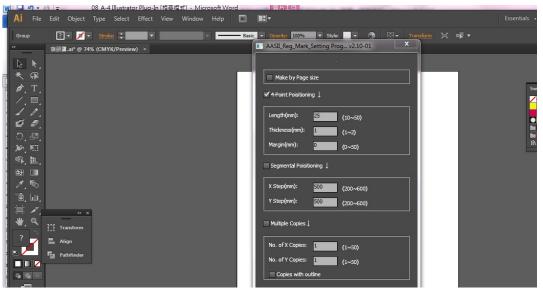


Step 3 Click on the image and apply the AAS function (File \rightarrow Scripts \rightarrow _AASII_Plug_In).





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 Pro	og v2.10-01
	📄 Make by Page	size	
	✔ 4 Point Poisitioni	ng ↓	
	Length(mm):	25	(10~50)
_	Thickness(mm):	1	(1~2)
L	Margin(mm):	0	(0~50)
	Segmental Poisiti	ioning 🗼	
E	X Step(mm):	500	(200-600)
	Y Step(mm):	500	(200~600)
	Multiple Copies 🕽		
	No. of X Copies:	1	(1~50)
	No. of Y Copies:	1	(1~50)

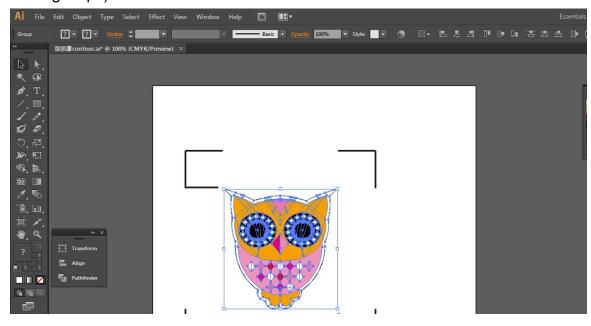
Note:

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."

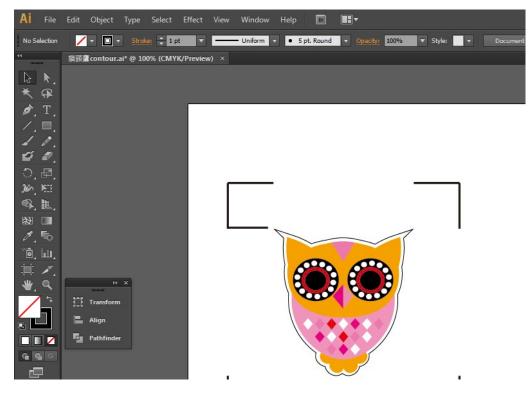




Step 6 Confirm the registration marks (the 4-Point Position mark is used as an illustration in the following steps).



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



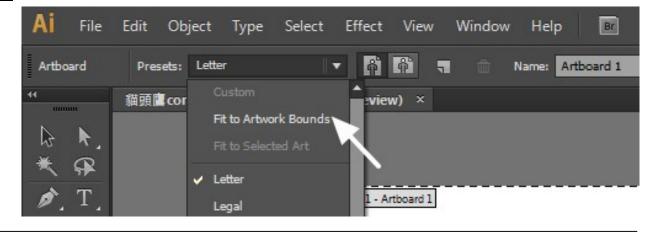




Step 8 Hit "Edit Artboards".

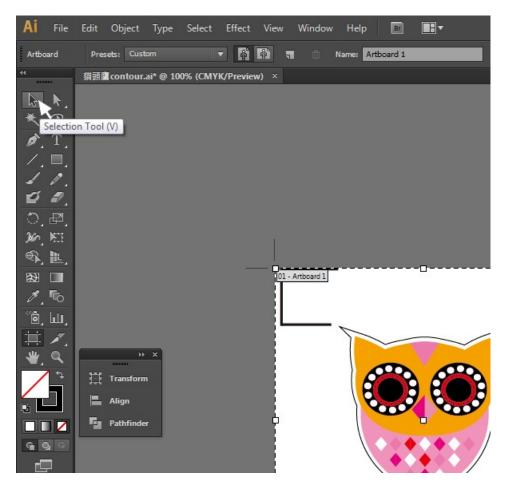
Document Setup
Bleed and View Options
Units: Points 🔻 Edit A
Top Bottom Left Right Bleed: 0 pt 0 pt 0 pt 0 pt
Show Images In Outline Mode
Highlight Substituted Fonts
Highlight Substituted Glyphs
Transparency
Grid Size: Medium 🔻
Grid Colors: 🔛 Light 🔻
Simulate Colored Paper
Preset: [Medium Resolutio 🔻 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 %

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

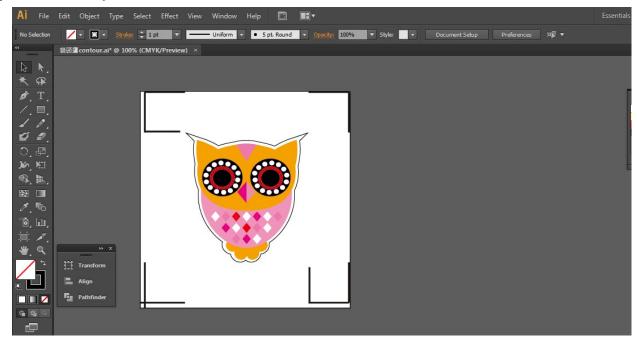




Step 10 Please move your mouse to the tool bar on the left when step 9 is finished and then click "Selection Tool".



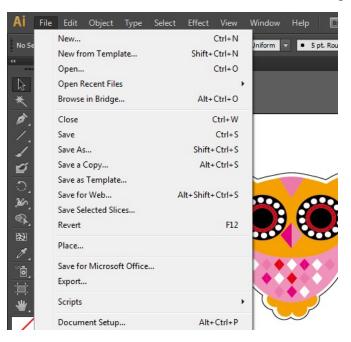
Step 11 This will take you back to the edit mode.





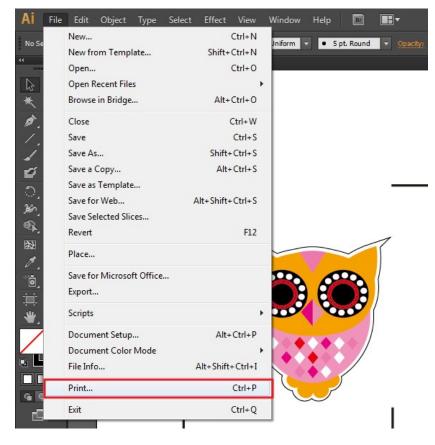


Step 12 Print out the file with the contour line and the registration marks.



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: Printer:	Custom RXII-132S
	PPD:	
General	General	
Marks and Bleed Output	Copies:	1 📃 🗌 Collate 🔲 Reverse Order
Graphics Color Management	Artboards:	
Advanced		🔿 Range:
Summary		🗌 Ignore Artboards 🛛 🗹 Skip Blank Artb
	— Media Size:	Defined by Driver 🛛 🔻
	Width:	7483.4644 p Height: 3741.7322 p
	Orientation:	Auto-Rotate 🙀 🖨 🖶 🔿
		Transverse
	Options	
	Print Layers:	Visible & Printable Layers 🛛 🔻
	Placement:	器 X: 0 pt Y: 2899.84 p
	Scaling:	Do Not Scale 🔹 Ove
i∢ ∢ 1 of 1 → H		Scale: W: 100

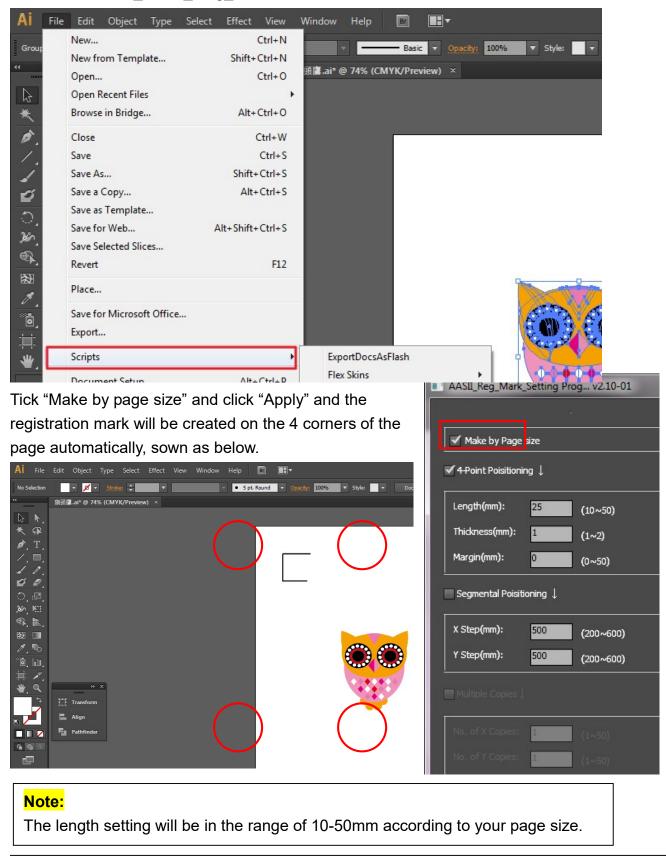
Step 15 Select the cutter model, position the object in the bottom left corner.

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"





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.

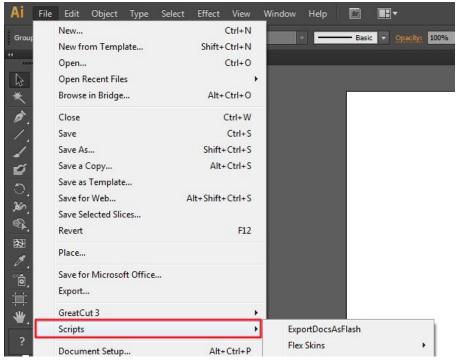
Print	
Print Pre	set: Custom
Prin	ter: JaguarIV-101
P	PD:
	ieneral
General	
Marks and Bleed	Copies: 1 Collate Reverse Order
Output Graphics	⊙ <u>A</u> II Ignore Art <u>b</u> oards
Color Management	🔿 Range: 📃 Skip Blank Artboards
Advanced	- Media
Summary	Size: Defined by Driver
	<u>Wi</u> dth: 5760 pt Height: 2880 pt 🗿 🗟 🛃 🗃
	- Options
Left side	Placement: D pt Y: 0 pt
Top side Bottom side	• Do Not Scale
TOP SINC DUCUTI SILLE	○ <u>Fi</u> t to Page (483.8058%)
O	O Custo <u>m</u> Scale: <u>₩</u> : 100 8 <u>H</u> : 100
Origin Right side	O Ile Full Pages
	Scale: <u>W</u> : 100 8 <u>H</u> : 100
	Tile Range:
I4 4 1 of 1 (1)	Print Lavers: 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.

_			
AASI	I_Reg_Mark_	Setting Pro	g v2.10-01
	1ake by Page	size	
₹ 4₽	oint Poisitionir	ng↓	
Leng	gth(mm):	25	(10~50)
Thio	kness(mm):	1	(1~2)
Mar	gin(mm):	0	(0~50)
Seg	gmental Poisiti	oning 🗼	
x St	ep (mm) :	500	(200~600)
Y St	ep(mm):	500	(200~600)
- Mul	ltiple Copies↓		
No.	of X Copies:	1	(1~50)
No.	of Y Copies:	1	(1~50)

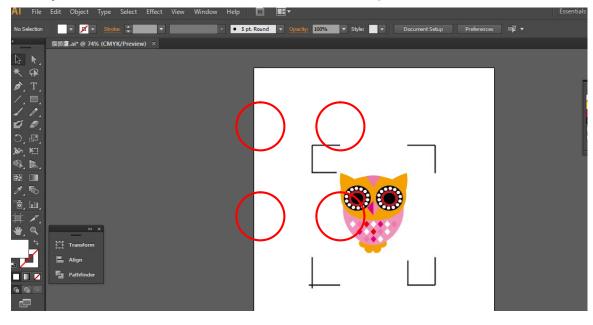


Three types of registration marks

4-Point Positioning

AASII_Reg_Mark_Setting Prog v2.10-01	
Make by Page size ✓ 4 Point Poisitioning ↓ Length(mm): 25 (10 v50)	 4-Point Positioning Length: The length of marks → Range: 5mm~50mm → Optimized Setting: 25mm
Length(mm): 25 (10 ~50) Thickness(mm): 1 (1~,2) Margin(mm): 0 (0~50)	 Thickness: The line thickness of marks → Range: 1mm~2mm → Optimized Setting: 1mm Margin: The distance between marks and
Segmental Poisitioning ↓	images → Range: 0mm~50mm
X Step(mm): 500 (200~600) Y Step(mm): 500 (200~600)	→ Optimized Setting: 5mm
Multiple Copies J	
No. of X Copies: 1 (1~50) No. of Y Copies: 1 (1~50)	

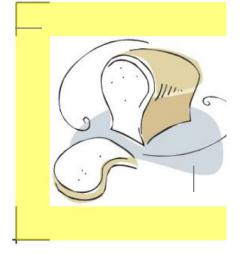
The system will create the 4 marks as shown in the picture below.

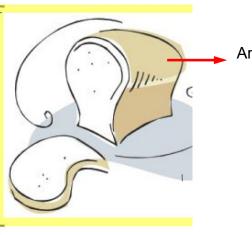




Note:

 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).





Area to be cut

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.

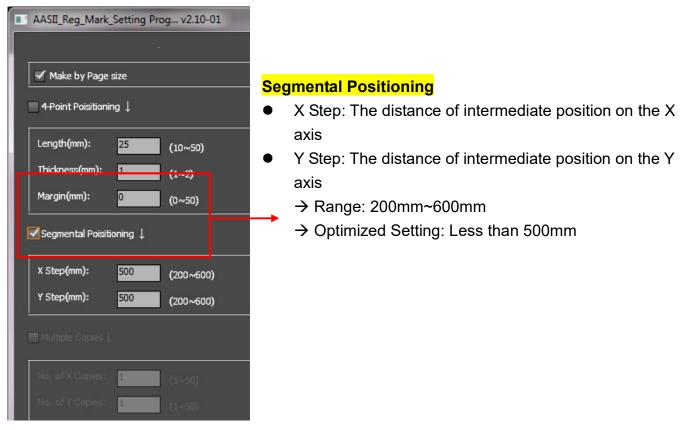
3. If you change the paper size, you will have to reset the registration marks otherwise the previous setting will be applied.





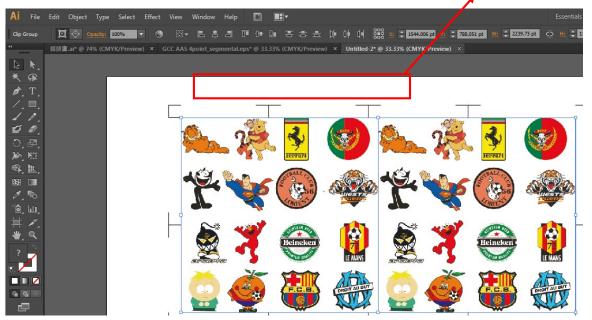
Segmental Positioning

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.



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

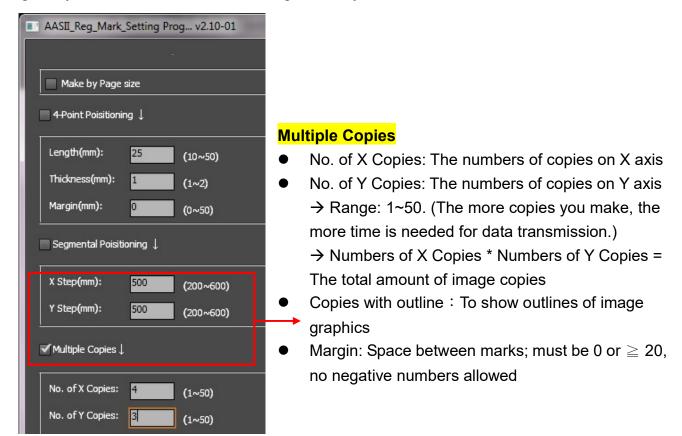
Segmental Positioning



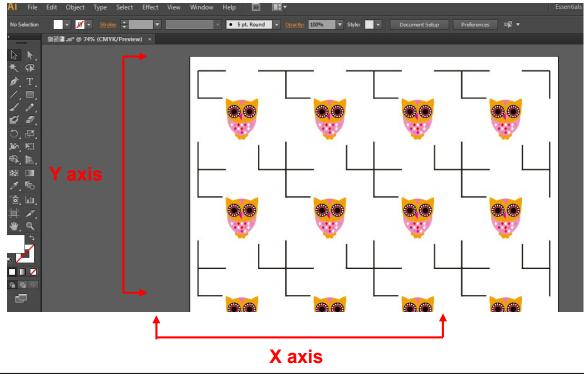


Multiple Copies

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.



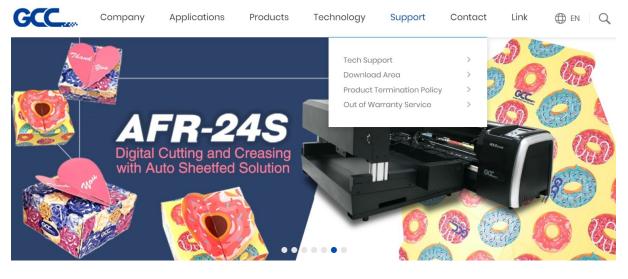
The system will create the as shown in the picture below.

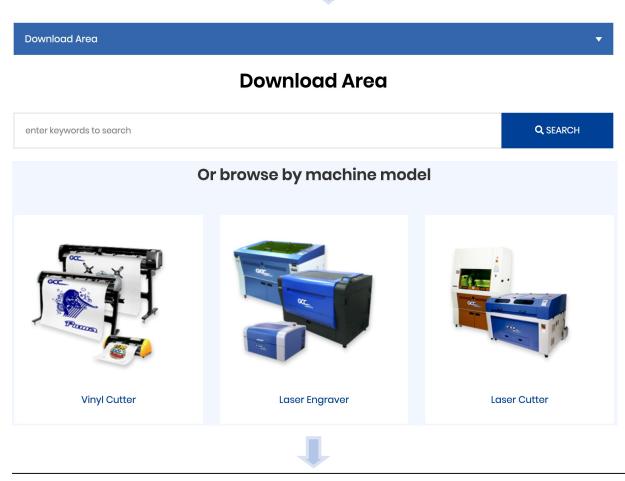


GreatCut Plug-In Instruction

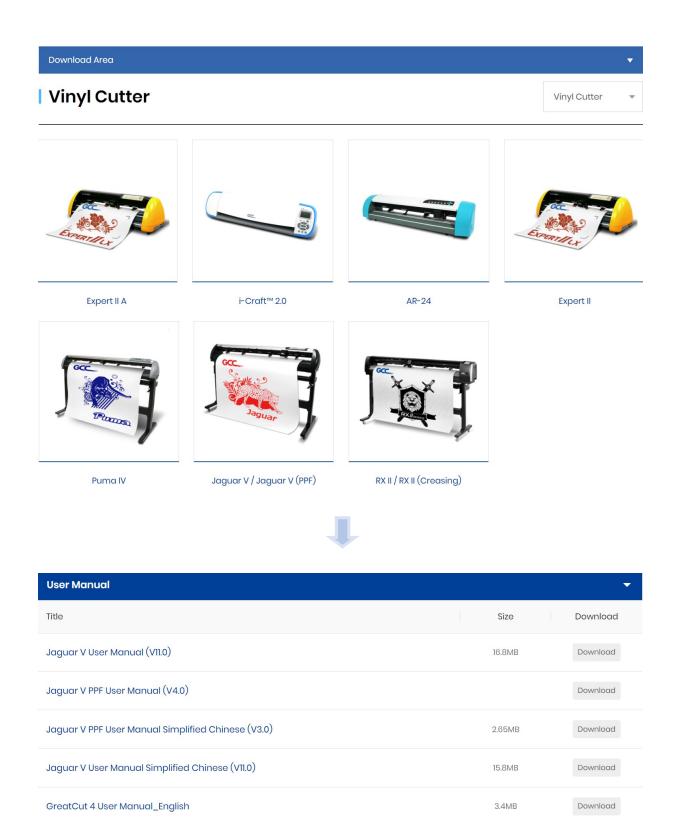
The user manual of GreatCut software is available on GCC website download area.

https://www.gccworld.com/download.php?act=view&id=20









4.3MB

Download



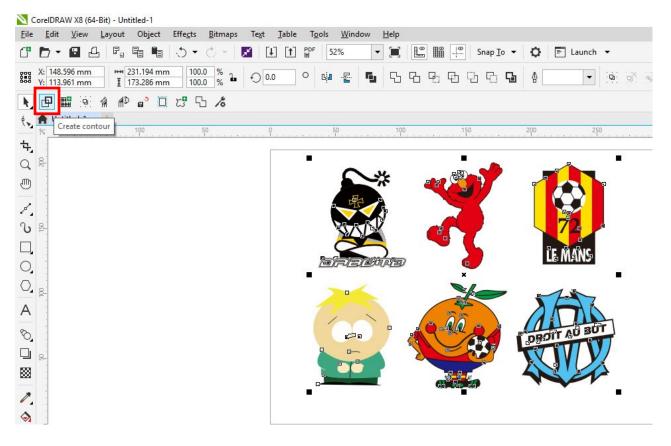
GCC AASII System

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

Edit your image in CorelDRAW

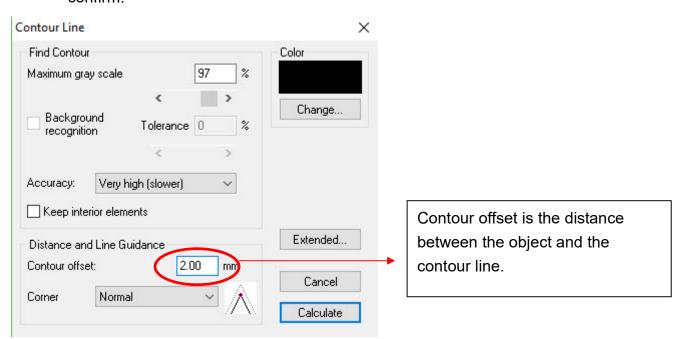
4-Point Positioning

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

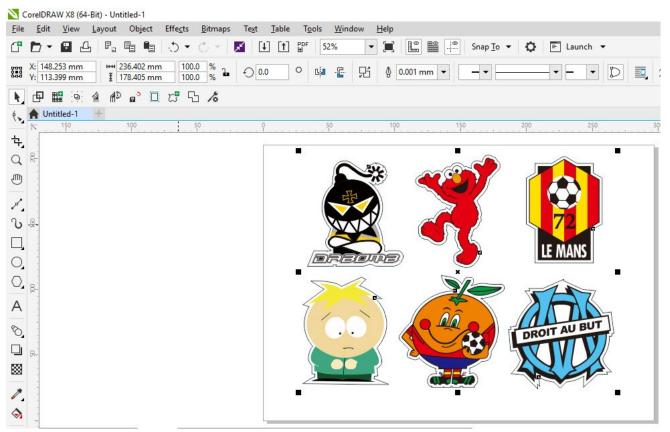




Step 2 Complete contour line settings (including contour offset value) and press Calculate to confirm.



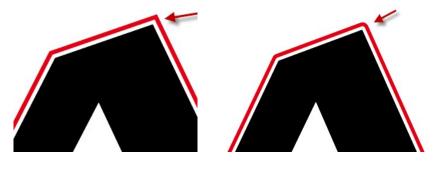
Contour lines will be added to the images.





Tips: Vector object to create round outline

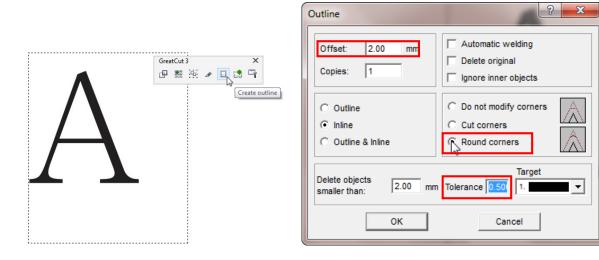
In general for vector objects you will get better results with the outline function. You will see the difference between "Normal" and "Round" in sharp corners. The picture is shown as below:





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.

GCC

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	



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 Max. Y distance 600.00 mm OK 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 thicknesss of marks → Range: 1mm~2mm → Optimized Setting: 1mm

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

Settings

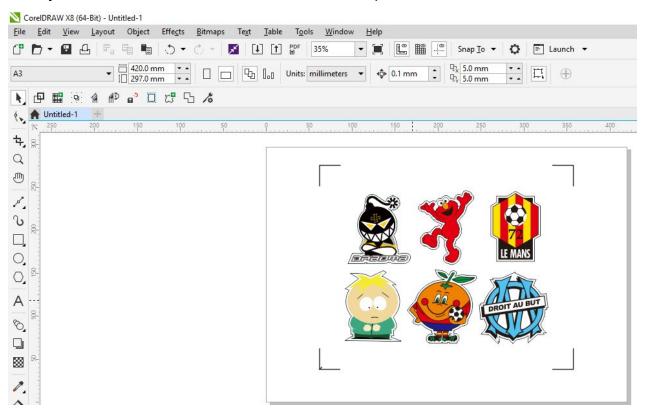
		12
	GreatCut 4 ~	Eurosystems Softwa
	GCC (AAS II)	Jog ma
		Export Pa
	Regmark	Name of layer for Jog Ma
	Outline	Name of layer for Outl
	Output Parameters	
	Show always contour and outline settings 🗹 It process only transfer "Regmark" and "Outline" layer 🗹 Create new file while cutting 🖌	During t
	Open output dialog while cutting	
el	OK Cano	
	Regmark Outline Output Parameters Show always contour and outline settings It process only transfer "Regmark" and "Outline" layer Create new file while cutting Open output dialog while cutting	Export Pare of layer for Jog Ma Name of layer for Outl



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



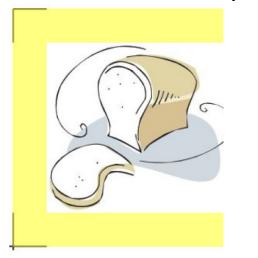
The system will create the 4 marks as shown in the picture below.

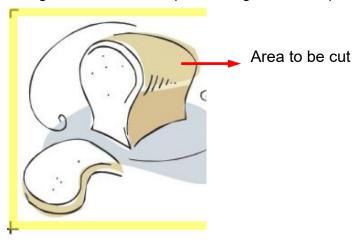




Note:

 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).





Page size Suggested mark length (unit: mm) (unit: mm) 5 A6 (105 x 148) 8 A5 (148 × 210) 11 A4 (210 × 297) 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

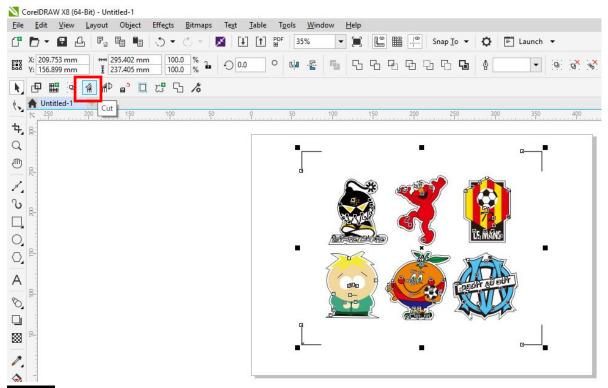
2. The size of the registration marks would affect the accuracy of registration mark detection so please make sure the amount you enter is reasonable.



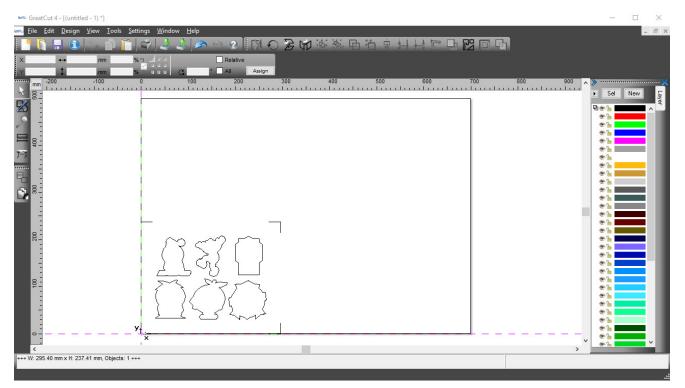


Output

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.

a=10.	Gre	atCut 4 - [(untitl	led - 1) *]	
Gent Ca	File	<u>E</u> dit <u>D</u> esign	<u>V</u> iew <u>T</u> ools	s <u>S</u> ettings <u>W</u> indow <u>H</u> elp
		<u>N</u> ew	Ctrl+N	_^_ 🗇 🤚 🄌 🗢 🗠 ② 🛯 🕅 〇 🗲 🖬 南 藤 퍼 福 恵 뒤 昌 🕾 🗗 🔀
×		Open	Ctrl+L	% Relative
Y	H	<u>S</u> ave	Ctrl+S	6 a a a C * All Assign
	k	Save <u>A</u> s	Shift+Ctrl+S	0 100 200 300 400 500 600 7
13	0	Send by Email.	••	
5	-	<u>I</u> mport	Ctrl+I	
C	-	Export	Ctrl+E	
	~	Print	Ctrl+P	
	7=1	Output	S	
7-1		Quit	Ctrl+Q	
		-		
1.16		-		
	300	-		
		3		
		-		
	200	3		
	20	3		
		-		
		-		
	100	3		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		-		
		3		
P		3		2 E 25 Low
				_ y <u>i</u>
		1		×

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 tool-assigned layers Number of copies: 1 Keep reference point Stack spacing: 0.00 mm Plot to file Weed border: 2.00 mm
Manage Profiles	Copies spacing: 0.00 mm Wait after segment
arameter	Complete the settings of
AAS Offset origin X [mm]	0.00 Offset, Pressure, Speed
AAS Offset origin Y [mm] Pressure [g] Speed [cm/s]	15 50 Material width and so on
Material width [mm] Length [mm] Number of outputs in X-direction	208.43 Sort Options
Number of outputs in Y-direction Distance between copies [mm]	1 10.00
Step count	
	Accuracy: Normal V
	Origin: New origin V Objects: All objects V
Job will be segmented!	Test drive



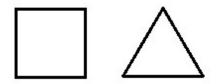
Dutput					
Device	: GCC Jaguar V LX 61 V	Number of outputs: 1 Number of copies: 1	Output only	v tool-assigned layers ence point	
Mode	Cut with AAS V	Stack spacing: 0.00 mm	Plot to file	tips	
Output Profile	Foil V	Weed border: 2.00 mm Copies spacing: 0.00 mm	Wait after s	agment	
	Manage Profiles			Save settings	
Parameter		Value	Sort before	output	
AAS Offset origi	n X [mm]	0.00	Sort before output		
AAS Offset origin		0.00	Actual Setting	. N t	
Pressure [g]		15	Actual Setting	" <mark>!U</mark>	
Speed [cm/s]		50			
Material width [m	m]	208.43			
Length [mm]		320.18		Sort Options	
Number of output	ts in X-direction	1			
Number of output	ts in Y-direction	1			
Distance betwee	n copies [mm]	10.00			
Step count		1			
			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	y tool-assigned layers	
			Number of copies: 1	Keep refer	ence point	
Mode:	Cut with AAS	\sim	Stack spacing: 0.00 mm	Plot to file		
Output Des Elec	-		Weed border: 2.00 mm	Enable tool	IS	
Output Profile:	Foil	~	Copies spacing: 0.00 mm	Wait after segment		
	Manage Profiles					
				1		
arameter	V Incel		Value	Sort before output		
AS Offset origin	100 0000		0.00		D t	
ressure [g]	r fund		15	Actual Setting	· IU	
peed [cm/s]			50			
laterial width [mn	n]		208.43			
ength [mm]	•		320.18		Sort Options	
lumber of outputs	s in X-direction		1			
lumber of outputs	s in Y-direction		1			
istance hetweer	n copies [mm]		10.00			
tep count			1			
				-		
				Accuracy:	Normal	
				Origin:	New origin	
				Objects:	All objects	
	Job will b	Ĩ	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.



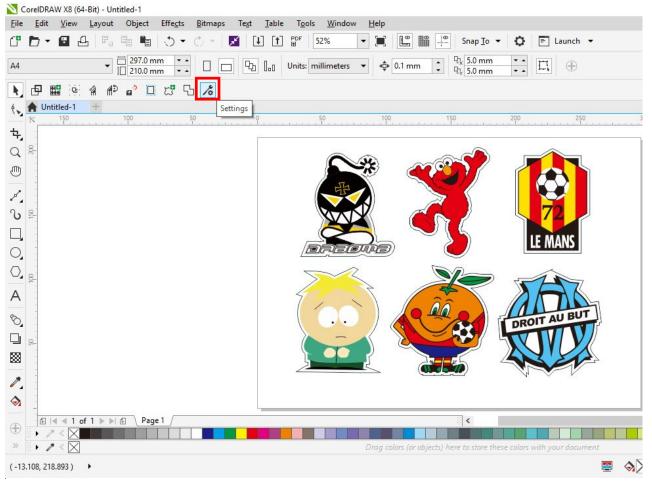
Advanced Settings

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 Press the Settings icon on the GreatCut toolbar.





ep 2 Press the button on the right of Jog n	narks.
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	ut 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.

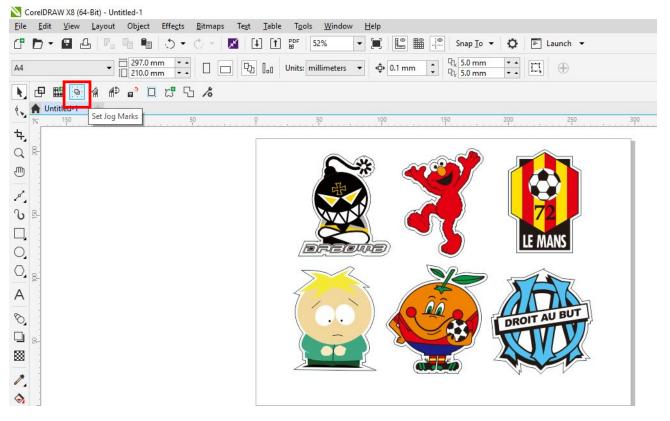
Setup - Register Marks		×	
Type GCC (AAS II) Align to selection Align to working Size Object Margin Line thickness Max. X distance Max. Y distance	n	Outside corners Output marks (or by pressing Ctrl) Target layer Cancel	 Segmental Positioning Max. x Distance: The distance of intermediate position on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



×

tep 4 Ensure the three items below	are sele	cted and click OK.
Settings		
Eurosyste	ems Software:	GreatCut 4 ~
	Jog marks:	GCC (AAS II)
	Export Path:	
Name of layer f	or Jog Marks:	Regmark
Name of lay	ver 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

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



OK

Cancel



CorelDRAW X8 (64-Bit) - D:\GCC-Cutter\GreatCut 4\Untitled-1.cdr <u>File Edit View Layout Object Effects Bitmaps Text Table Tools Window H</u>elp []] → 🗳 🗗 🖷 🖷 🖷 👘 () → () → () ✓ ↓ ↑ PDF 17% - 🔳 Segmental Positioning • Q Q Q Q 17% a Q 🔪 🗗 🛗 💿 🕼 📣 🗗 🃂 5 % to the Untitled-1.cdr 500 600 400 ŧ, Γ Q 8: Т Y axis ⊕ 18 $\boldsymbol{\upsilon}$ О, 0 А X axis S. 8

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.

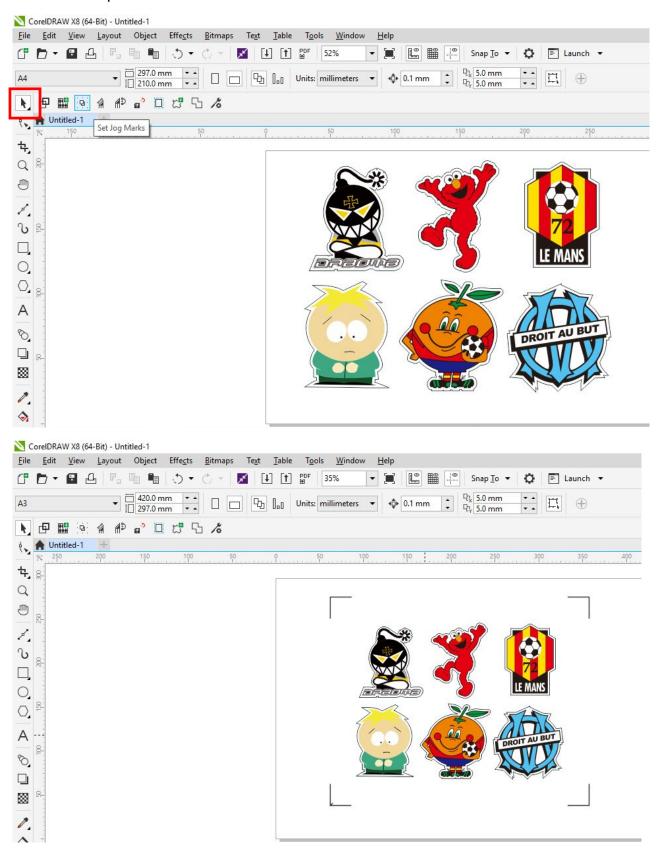
Multi-Copy

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	5		×	
Type GCC (AAS II			1	
Align to selecti Align to working Size Object Margin Line thiskness Max. X distance Max. Y distance		Outside corners Output marks (or by pressing Ctrl) Target layer 1. Cancel	J ▼	When you apply the "Multiple Copies" function, the value that has been set in this section will still be applied.

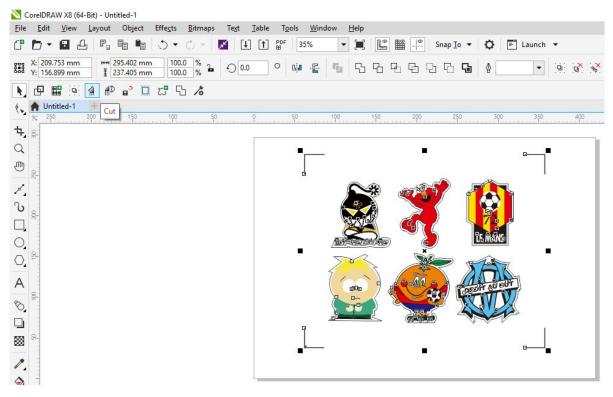


Step 2 Click on the Set Jog Marks icon on the GreatCut toolbar and 4 marks will be created as shown in the picture below.

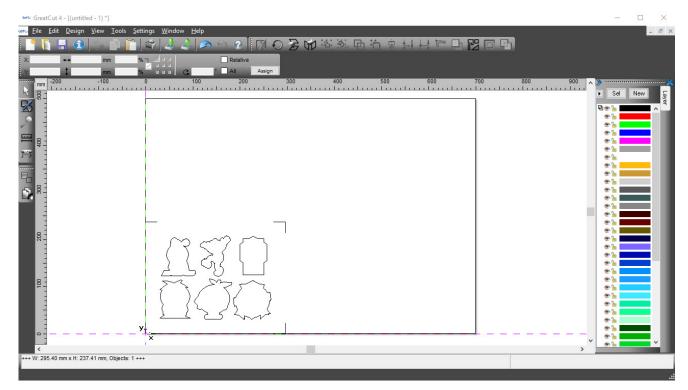




Step 3 Select both the entire object (including registration marks and the contour line) and press the Cut icon on the GreatCut toolbar.



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





Step 5 Select Output under File.

🛲 GreatCut 4 - [(untitled - 1) *]				
ini Co	<u>F</u> ile	<u>E</u> dit <u>D</u> esigr	n <u>V</u> iew	
	2	<u>N</u> ew	Ct	
X:	5	Open	C	
Y	H	Save	C	
:	R	Save <u>A</u> s	Shift+C	
R	5	Send by E <u>m</u> ai	l	
رآن ا	4	Import	c	
	1.1	E <u>x</u> port	C	
X	9	Print	CI	

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.

Dutput				
	GCC i-Craft Cut with AAS Foil Manage Profiles	Number of outputs: Number of copies: Stack spacing: Weed border: Copies spacing: Segment spacing:	1 5.00 mm 2.00 mm 2.00 mm 0.00 mm	Output only Keep refer Plot to file Enable too Disable se Wait after
Parameter		Value		Sort before
AAS Offset origin	X [mm]	0.00		Son belon
AAS Offset origin		0.00		Actual Settin
Pressure [g]		80		
Speed [cm/s]		21		Search for
Material width [mn	1	208.43	208.43	
Length [mm]		320.18		
Number of outputs		2		
Number of outputs		2		
Distance between	copies [mm]	0.00		
Step count		1		
				Accuracy
				Origin:

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

h,	₫		9	1	M D	a °	2	5	10	
ę.,	A U	ntitle	Multi	-Cop	y I					
	15	350	5. i.i.	300		250	 200		150	

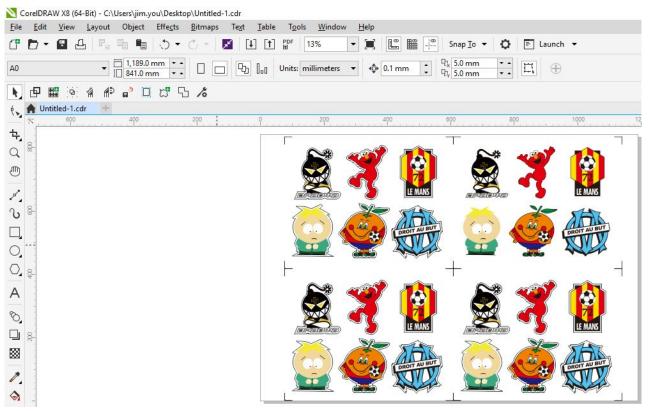


N

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	-	mm
	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.
- 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	<u>E</u> dit <u>V</u> iew	Layout	Ob
	New	Ctrl+N	
E B	New from Tem	plate	
	Open	Ctrl+O	
	Open <u>R</u> ecent		,
×	<u>C</u> lose		
Ę	Close All		
÷	Save	Ctrl+S	
•	Save As	Ctrl+Shift+S	
8	Save as Templa	ate	
a. ⁵	Revert		
	Ac <u>q</u> uire Image		•
×	Search Content	t	
ţ.	Import	Ctrl+I	
t	Export	Ctrl+E	
	Export For		۲
	Sen <u>d</u> To		۲
DF	Publis <u>h</u> to PDF		
a,	<u>P</u> rint	Ctrl+P	
	Print Merge		۲
a	P <u>r</u> int Preview		
	Collect For Out	put	
7	Document Prop	perties	
Ð	Exit	Alt+F4	

Step 11 Go to GreatCut window, press Output button.

Dutput					
Device: G Mode: C Output Profile: F	ut with AAS	Number of outputs: Number of copies: Stack spacing: Weed border: Copies spacing: Segment spacing:	1 5.00 2.00 2.00 0.00	mm mm	Output onl Keep refe Plot to file Enable too Disable se Wait after
Parameter		Value			Sort befor
AAS Offset origin X	[mm]	0.00			_
AAS Offset origin Y	[mm]	0.00			Actual Settin
Pressure [g]		80			-
Speed [cm/s]		21			Search fo
Material width [mm]		208.43		_	
Length [mm]		320.18			
Number of outputs in		2			
Number of outputs in		2		_	
Distance between c	opies [mm]	0.00		_	
Step count		1			
					Accuracy



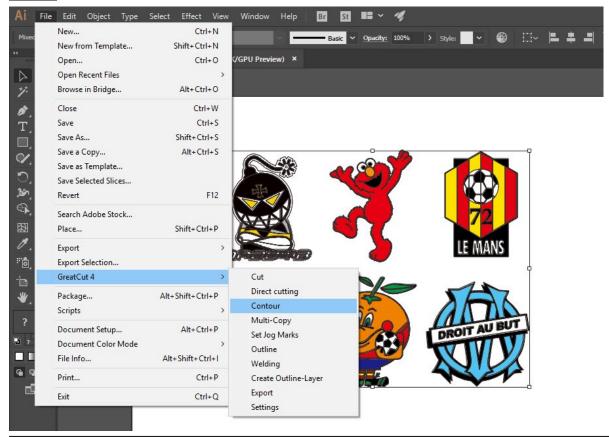
Edit your image in Adobe Illustrator

4-Point Positioning

Step 1 Create a new file in Adobe Illustrator.



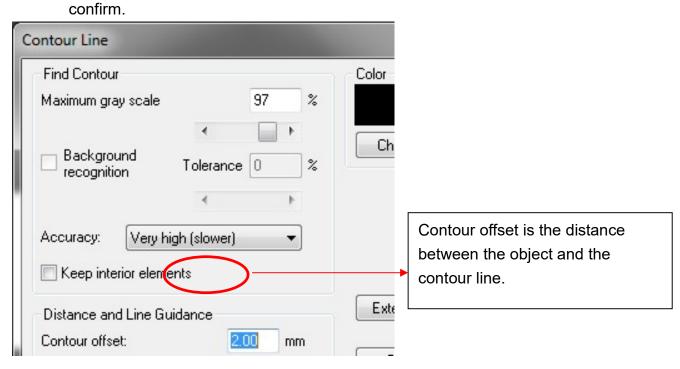
Step 2 Select the image and go to Contour in GreatCu in File.



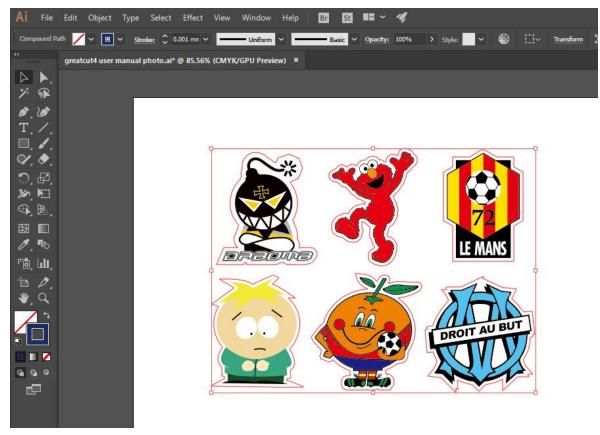
GreatCut Plug-In



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



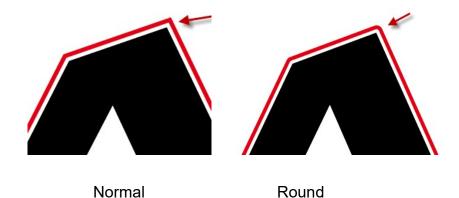
Contour line is now added to the object.





Tips: Vector object to create round outline

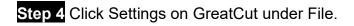
In general for vector objects you will get better results with the outline function. You will see the difference between "Normal" and "Round" in sharp corners. The picture is shown as below:



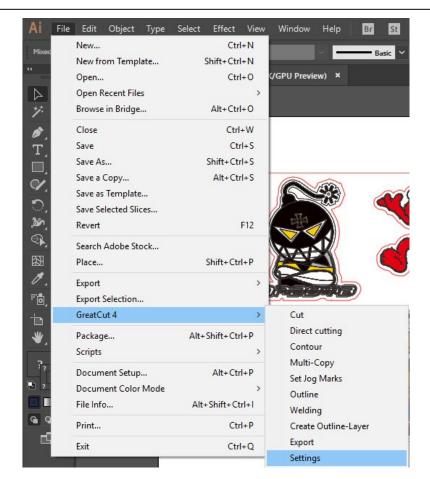
1. Select the "Outline" in GreatCut option under File to create contours in a freely definable distance around text objects.

			Outline
GreatCut 4	\$	Cut	Offset: 2.00 mm Copies: 1 Image: Copies: 1 Automatic welding Delete original Ignore inner objects
Package Scripts	Alt+Shift+Ctrl+P >	Direct cutting Contour	Outline C Do not modify corners C Inline C Cut corners
Document Setup Document Color Mode	Alt+Ctrl+P	Multi-Copy Set Jog Marks	C Outline & Inline
File Info	Alt+Shift+Ctrl+I	Outline Welding	Delete objects smaller than: 2.00 mm Tolerance 0.50 .
Print	Ctrl+P	Create Outline-Layer	
Exit	Ctrl+Q	Export Settings	OK 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 cu	t 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
Setup - Register Marks 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 1.	 4-Point Positioning 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
ок	Cancel	→ Optimized Setting: 1mm

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

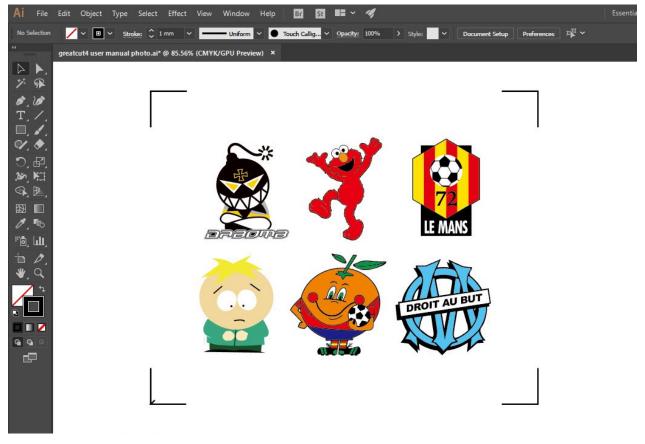
Settings		X
	Eurosystems Software:	GreatCut 4 ···
	Jog marks:	GCC (AAS II)
	Export Path:	
	Name of layer for Jog Marks:	Regmark
	Name of layer for Outline:	Outline
		Output Parameters
	During the cu	Show always contour and outline settings 🗹 at process only transfer "Regmark" and "Outline" layer 🗹 Create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



File Ed	it Object Type	Select Effect View	Window H	Help Br	St	~ 4,				
New New Ope	v from Template	Ctrl+N Shift+Ctrl+N Ctrl+O	(/GPU Preview)		asic 🗸 Opa	city: 100%	> Style:	~ \$	⊞~	₽ ₽
Ope	en Recent Files wse in Bridge	Alt+Ctrl+O								
Save Save Save Reve	e As a Copy a as Template e Selected Slices ert rch Adobe Stock	Ctrl+W Ctrl+S Shift+Ctrl+S Alt+Ctrl+S F12 Shift+Ctrl+P		3		J.				
Expo Expo		>	Cut			5	LE	MANS	ę	
Paci Scrip	kage pts	Alt+Shift+Ctrl+P >	Direct cu Contour			7	No No	T	-	
Doc	ument Setup ument Color Mode Info	Alt+Ctrl+P > Alt+Shift+Ctrl+I	Multi-Co Set Jog M Outline Welding	/larks		**	DROIT	AUBU		
Prin Exit	t	Ctrl+P Ctrl+Q		utline-Layer		5		Jer V		

Step 8 Click Set Jog Marks on GreatCut under File.

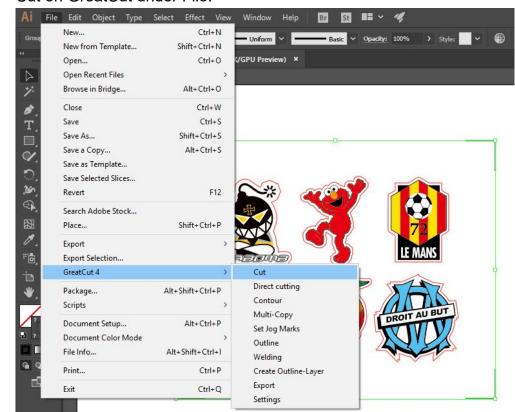
The system will create the 4 marks as shown in the picture below.



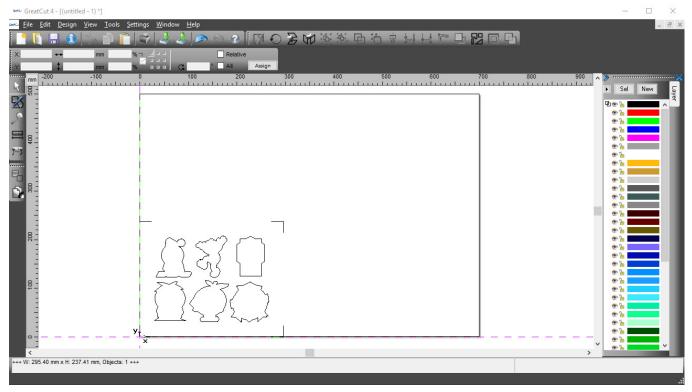


Output

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>E</u> dit <u>D</u> esign	<u>V</u> iew <u>T</u> ools	<u>S</u> ettings <u>W</u> indow <u>H</u> elp
3	<u>N</u> ew	Ctrl+N	1 🗳 🕹 🌲 🙉 🗠 🕐 🕅 Đ
x.	<u>O</u> pen	Ctrl+L	% ¬ Relative
X: 0.	<u>S</u> ave	Ctrl+S	
🔣	Save <u>A</u> s	Shift+Ctrl+S	0 100 200
30	Send by E <u>m</u> ail		
2	<u>I</u> mport	Ctrl+I	
2 -	E <u>x</u> port	Ctrl+E	
4	Print	Ctrl+P	
7-7	Ou <u>t</u> put	S	
-	Quit	Ctrl+Q	
	200		
200 300			

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

utput					
	GCC Jaguar V LX 61 Cut with AAS	~	Number of outputs: 1 Number of copies: 1 Stack spacing: 0.00 mm	Keep refer	
Output Profile:		~	Weed border: 2.00 mm Copies spacing: 0.00 mm		
	Manage Profiles	•			Save settings
Parameter			Value	Sort before	outout
AAS Offset origin	X [mm]		0.00		
AAS Offset origin			0.00	Actual Setting	n nt
Pressure [g]			15	, tetaur oottang	. ∙ Ω
Speed [cm/s]			50		
aterial width [mm	1]		208.43		Cost Onlines
ength [mm]			320.18		Sort Options
Number of outputs	s in X-direction		1		
lumber of outputs	s in Y-direction		1		
Distance between	copies [mm]		10.00		
Step count			1	_	
				_	
				_	
				Accuracy:	Normal
				Origin:	New origin
				Objects:	All objects
	Job wil	I be segmented!			Test drive



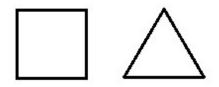
utput				
	GCC Jaguar V LX 61	Number of outputs: 1 Number of copies: 1 Stack spacing: 0.00 mm	Keep refer	
Output Profile:	Foil	Weed border: 2.00 mm Copies spacing: 0.00 mm	Enable tool	
	Manage Profiles			Save settings
Parameter		Value	Sort before	e output
AAS Offset origin	X [mm]	0.00		-
AAS Offset origin	Y [mm]	0.00	Actual Setting	r Π 1
Pressure [g]		15		i U
Speed [cm/s]		50		
Material width [mr	n]	208.43		Cart Onlines
Length [mm]		320.18		Sort Options
Number of outputs	s in X-direction	1		
Number of outputs	s in Y-direction	1		
Distance betweer	n copies [mm]	10.00		
Step count		1		
			Accuracy:	Normal
			Origin:	New origin
			Objects:	All objects
	Job will be segmen	ed!		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.

Device: GCC Jaguar V LX 61 Mode: Cut with AAS Output Profile: Foil Output Profile: Foil Weed border: 2.00 mm Manage Profiles Weed border: 2.00 mm Copies spacing: 0.00 mm Wat after segment Wat after segment Save Sav									put
Mode: Cut with AAS Image Profiles Image Profiles<	ed layers	ly tool-assigr	Output only too	1	lumber of outputs:		1	GCC Jaguar V LX	Device:
Output Profile: Foil ✓ Enable tool tips Manage Profiles ✓ Weed border: 2.00 mm ✓ Wait after segment Manage Profiles ✓ Save Save Save arameter Value 0.00 Manage Profiles Save AS Offset origin X [mm] 0.00 Actual Setting: Imm AS Offset origin Y [mm] 0.00 Actual Setting: Imm Isterial width [mm] 208.43 Sort Options Iumber of outputs in X-direction 1 Sort Options itstacce between copies [mm] 10.00 Accuracy: Normal itstace between copies [mm] 1 Accuracy: Normal Origin: New origin New origin		rence point	Keep referenc	1	Number of copies:	5 4			
Output Profile: Foil Image Profiles				0.00 mm				Cut with AAS	Mode:
Output Profile: Copies spacing: 0.00 mm Wait after segment Manage Profiles Save Save Save Value 0.00 No Assort Save VAS Offset origin X [mm] 0.00 Actual Setting: Image Value 0.00 15 Soft before output Actual Setting: Image Value 0.00 15 Soft before output Image Soft Defore output Value 0.00 15 Soft before output Image Soft Defore output Image		I tips	Enable tool tips						
Manage Profiles Save arameter Value Soft before output AS Offset origin X [mm] 0.00 AS Soft before output AS Offset origin Y [mm] 0.00 Actual Setting: Image Profiles ipped [cm/s] 15 50 Soft before output Actual Setting: Image Profiles ipped [cm/s] 50 15 Soft Options Soft Options istance between copies [mm] 10.00 1 Image Profiles Soft Options itep count 1 Image Profiles			_					Foil	Output Profile:
arameter Value O.00 AS Offset origin X [mm] 0.00 AS offset origin Y [mm] Actual Setting: Image: Control or Contro or Control or Co		segment	Wait after seg	0.00 mm	Copies spacing:				
AS Offset origin X [mm] 0.00 AS Offset origin Y [mm] 0.00 tressure [g] 15 ipeed [cm/s] 50 laterial width [mm] 208.43 ength [mm] 320.18 lumber of outputs in X-direction 1 lumber of outputs in Y-direction 1 istance between copies [mm] 10.00 tep count 1 Actual Setting: 1 Sort Options Actual Setting: 1 Actual Setting: 1 Actu	e settings	Sav]	Profiles	Manag	
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- 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.

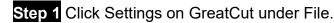


Advanced Settings

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.



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		Exit				Ctrl	+Q	Export	6		
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Step 2 Press the button on the right of Jog marks.

Settings

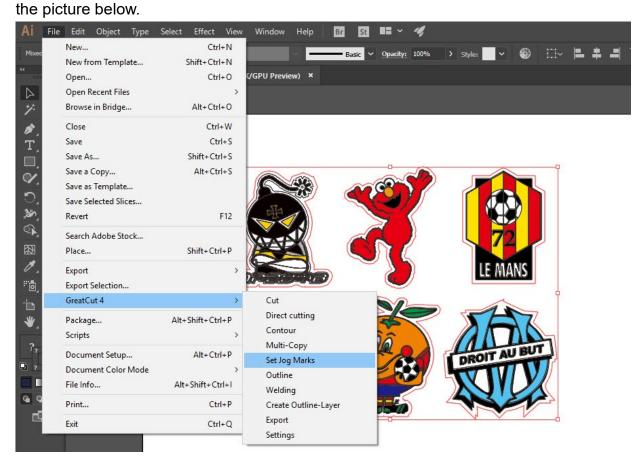
Settings		×
	Eurosystems Software:	GreatCut 4 ···
	Jog marks:	GCC (AAS II)
	Export Path:	
	Name of layer for Jog Marks:	Regmark
	Name of layer for Outline:	Outline
		Output Parameters
		Show always contour and outline settings
	During the cu	t process only transfer "Regmark" and "Outline" layer 🔽
		Create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

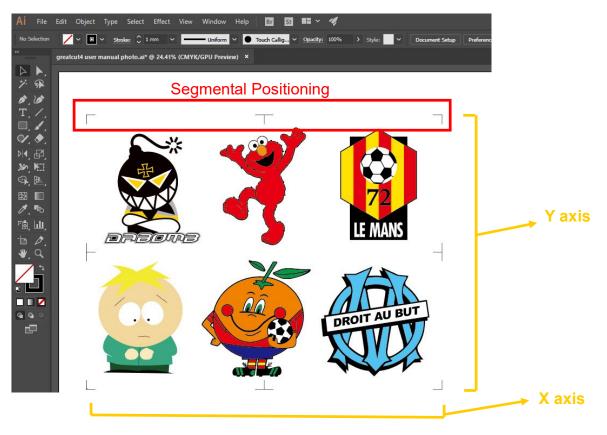
Step 3 Adjust the size, object margin and line thickness of your registration marks and click OK.

Setup - Register Marks		×	
Type GCC (AAS II)			
 Align to working 	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	ne na sere de la sere	Max. y Distance: The distance of
Max. Y distance	600.00 mm	Target layer 1.	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

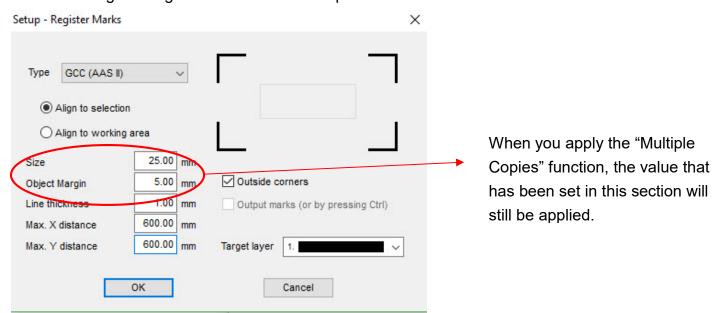




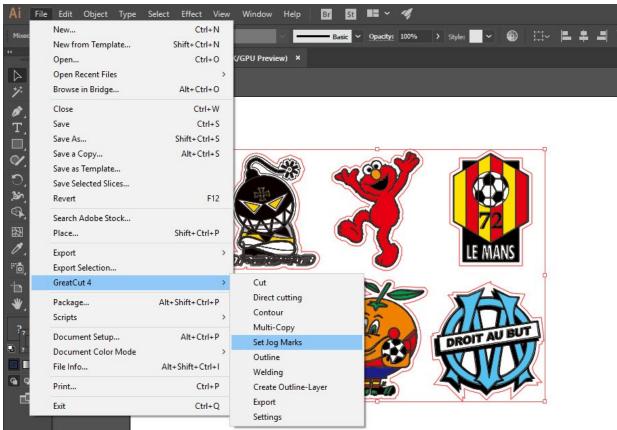


Multi-Copy

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



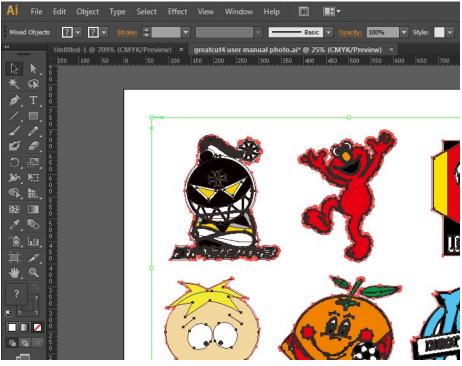
Step 2 Select the Set Jog Marks on GreatCut under File and 4 marks will be created as shown in the picture below.



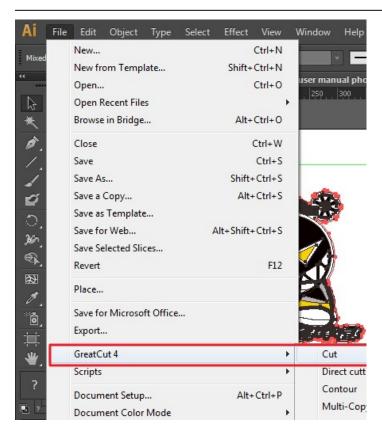




Step 3 Select both the entire object (including registration marks and the contour line) then click Cut on GreatCut under File.







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





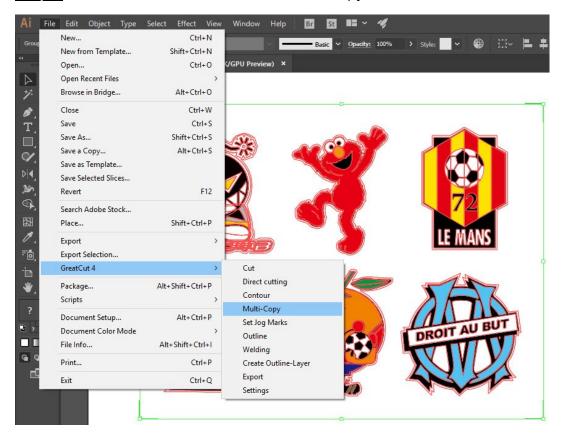
Step 5 Select Output under File.

🖛 GreatCut 4 - [(untitled - 1) *]								
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ŝ	4	Import	C					
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X	9	<u>P</u> rint	CI					

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	-	-			
Output						
Device:	GCC i-Craft 👻	Num	ber of outputs:	1		Output on
		Nur	nber of copies:	1		Keep refe
Mode:	Cut with AAS 👻	Sta	ack spacing:	5.00	mm	Plot to file
		I We	ed border:	2.00	mm	Enable too
Output Profile:	Foil 👻					Disable se
			Copies spacing:	2.00	mm	Wait after
	Manage Profiles	Se	gment spacing:	0.00	mm	
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AAS Offset origin	Y [mm]		0.00			Actual Settin
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Material width [mm	1]		208.43			
Length [mm]			320.18			
Number of outputs			2			
Number of outputs			2			
Distance between	copies [mm]		0.00			
Step count			1			
					_	
						Accuracy
						Origin





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

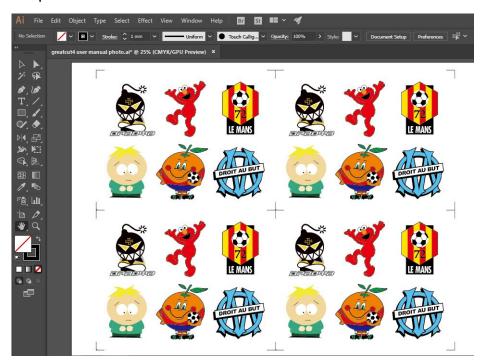
Step 8 Complete the Number in X/Y (the number of copies desired on the X/Y axis) and Distance in X/Y (distance between each copy) settings then click OK. Confirm that the value of Distance in X/Y must be the same with step 6.

Number in X	2	÷
Number in Y	2	÷
Distance in X	0.00	🜩 mm
Distance in Y	이	★ mm
	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.



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.



New	
New from Template	Shift
Open	
Open Recent Files	
Browse in Bridge	Alt
Close	
Save	
Save As	Shift
Save a Copy	Alt
Save as Template	
Save for Web	Alt+Shift
Save Selected Slices	
Revert	
Place	
Save for Microsoft Office	
Export	
GreatCut 4	
Scripts	
Document Setup	Alt

Step 11 Go to GreatCut window, press Output button.



utput				
Device:	GCC i-Craft 🗸 🗸	Number of outputs: Number of copies:	1	Output on
Mode:	Cut with AAS 👻	Stack spacing:	5.00 mm	Plot to file
		Weed border:	2.00 mm	Enable too
Output Profile:	Foil 👻			Disable se
		Copies spacing:	2.00 mm	Wait after
	Manage Profiles	Segment spacing:	0.00 mm	
Pressure [g] Speed [cm/s] Material width [mm] Length [mm]		80 21 208.43 320.18		Search fo
Number of outputs	in X-direction	2		
Number of outputs		2		
Distance between		0.00		
Step count		1		
				Accuracy
				Origin:





SignPal Instruction

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

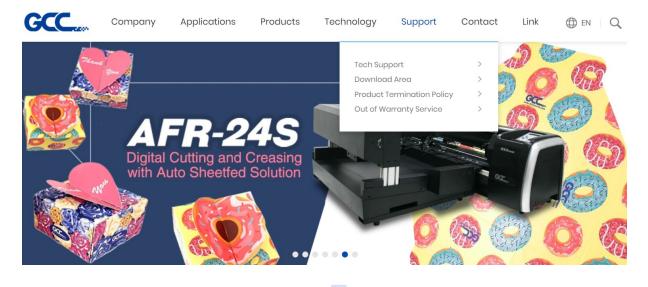
SignPal Instruction Index:

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

[1] Installing the SignPal 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.
- Visit GCC website (<u>https://www.gccworld.com/download.php?act=view&id=20</u>) to download the WinRAR file.











Software		•
Title	Size	Download
SignPal V19	817 MB	Download
GreatCut 4 for Windows (V.17.0.20.21868)	294MB	Download

3. Follow the installation and activation instruction for SignPal 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.

Δ	activation Code
Please enter the activa Activation Code	tion code that accompanied your software purchase.

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.

	ate A Free SAi Cloud Account
	I am new to the SAi Clou
Enter y	our email address to get started.
Importa	ant: The email address you select for
this SA	i Cloud account will be the owner of
	ware. It will be used for all SAi
	e services. It is recommended you permanent business email address.
7	84306662@qq.com
	Create Account



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

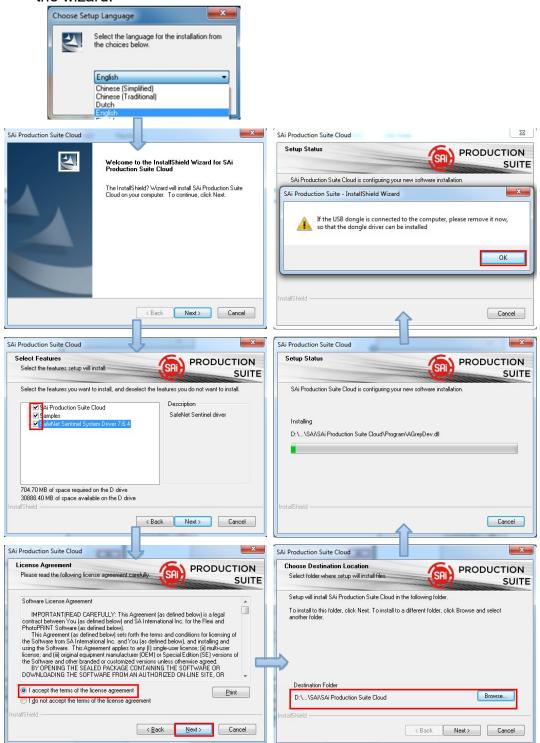
Ciea	te Account	
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* Time Zone	(GMT+00:00) UTC	This Account User's Agreement is a legal contract between You (defined belo and
Address Une 1		SA International Inc. BY USING YOUR SAI CLOUD ACCOUNT, YOU (AS THIS TERM IS DEFINED
Address Une 2		BELOW) AGREE BY CLICKING ON THE "ACCEPT" BUTTON TO BE BOUN BY THE TERMS OF THIS AGREEMENT (AS THIS TERM IS DEFINED BELO INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY DISCLAIMERS,
Oty		LIMITATIONS OF LIABILITY, JURISDICTION, AND TERMINATION PROVISIONS. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, DO NOT OPEN AN SAI CLOUD ACCOUNT AND EXIT NOW
State/Province		Article I. Defined Terms:
Zip Posta	Diete Account	Account means your account on the SAI Cloud Agreement means this End-User Account Agreement. Entity means any individual, partnership, joint venture, corporation, limite I Accept the Terms and Conditions

Step 2. Add Software to your SAi Cloud Account

This software license will be added to your SAi Cloud Account.
Activate Now

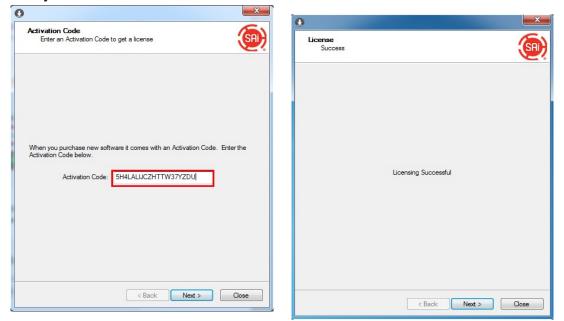


4. Open **Autorun** in the WinRAR file. Then install software step by step by following the wizard.





5. Paste your code into activation code field.



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

- Not for re	sale
Product:	PhotoPRINT SERVER-PRO Cloud
Language:	English
_	o desktop pplication's previous preferences o startup items
	Cancel



(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.

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Engli Chine	ese (Simplified)			
Dutch				
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	The InstallShield? Wizard will install SAi Proc Cloud on your computer. To continue, click	duction Suite	SAi Production Suite Cloud is configuring your new	w software installation.
	ciola on your comparer. To commune, and	TEAL.		
				ОК
			InstallShield	
	< Back Next >	Cancel		Cancel
			`	<u> </u>
SAi Production Suite Cloud		×	SAi Production Suite Cloud	×
Please read the following license	e agreement carefully.	DUCTION	Setup Status	PRODUCTION
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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.**

License Could not communicate with the SAi Cloud		
License manager was unable to connect to the Cloud License Server. Possible causes for this may include:		
 The "SAi Cloud" website may be experiencing issues. Please open your browser and try to log into your account on www.saicloud.com. 		
Your activation code has not yet been linked to your saicloud.com account. Pease go to www saicloud com, enter your activation code on the Activation Code" field, enter your email address and password, and click on Activate License."		
Your computer may not have access to the license server. Please verify that	System	
ort 443 is open for both incoming and outgoing connections in your firewall for I SAi applications.	Rating:	5.7 Windows Experience Index
uring the process you may be asked for a Computer ID. If you require a computer ID, use the value below.	Processor:	Intel(R) Core(TM) i5-2450M CPU @ 2.50
https://www.saicloud.com/	Installed memory (RAM):	8.00 GB (7.90 GB usable)
Computer ID: 5E19DA26B331	System type:	64-bit Operating System
ou should retrieve a license file from the website. When you have a license file ort it using the button below.	Pen and Touch:	No Pen or Touch Input is available for t
	Computer name, domain, and	workgroup settings
 Import License File 	Computer name:	Jeff-PC
Use Proxy Settings	Full computer name:	Jeff-PC
	Computer description:	
< Back Next > Close	Workgroup:	WORKGROUP

 Launch your browser on another online computer and type <u>https://www.saicloud.com</u> 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.

7.0	ctivation Code
Please enter the activatio	on code that accompanied your software purchase.
Activation Code	5H4LA





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.

	 I am a returning custom I am new to the SAi Clou
Enter your e	email address to get started.
	The email address you select for
	oud account will be the owner of
the softwar	e. It will be used for all SAi
software se	ervices. It is recommended you
use a perm	anent business email address.
70.40	06662@gg.com

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

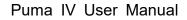
Step 2. Add Software to your SAi Cloud Account



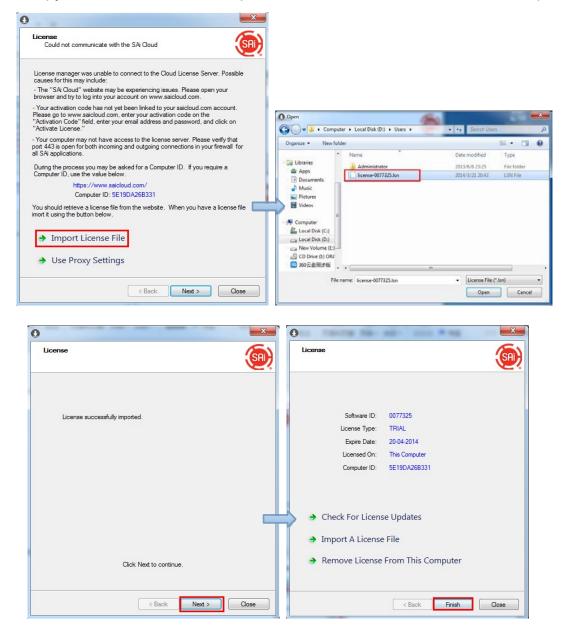


6. Click "License Manager" can't connect and input your computer ID and computer name that you recorded for the offline computer before, then click Create license Now and Download License, save license file to local.

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. Th application.	e final step in the install process will run a "Lic
Step 3 - License	
The "License Manager" application will ask for an ac	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
	Dominoud Hom



- GCC
 - 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.



2. Click **Remove License From This computer**, Now you can install the software on another computer.

License	
	SAL
Software ID:	0077325
License Type:	TRIAL
Expire Date:	20-04-2014
	This Computer
Computer ID:	5E19DA26B331
Check For Licens	se Updates
Import A License	File
Remove License	From This Computer
	< Back Finish Close
	X
License	
License	SAD
The license was successfully re	moved from this computer.
Software ID:	
Removal Code:	NLSK7RKC3R
License this com	puter again



(4)Transfer license on an offline computer

1. Open License Manager from Start menu.

SAi Production Suite Cloud
🔒 Install Manager
🧮 Job Monitor
😲 License Manager
PhotoPRINT EDITOR-PRO Cloud
Reprint State PhotoPRINT SERVER-PRO Cloud
🔁 Preference Manager

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

License	License	(SA)
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 Cack Finish C	lose

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.



	loud
Current Install	
Computer ID: 5E19DA26B331	Software Removed?
Computer Name: jeff-pc	Sollware 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	have displayed a removal code. Enter the removal code below. Removal Code
Download License	GM
License Removed?	Remove
Download Now	No Removal Code? 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.)

Add Setup	-	
	se a device at is the brand name of your vinyl cu	utter?
	GCC	•
Wh	at is the model name of your GCC?	
	GRC-23	
	i-Craft Jaguar III-101 Jaguar III-132 Jaguar III-183 Jaguar III-61 Jaguar IV-101 Jaguar IV-101 Jaguar IV-183 Jaguar IV-61 Jaguar IV-76 Jaguar JII-101S Jaguar JII-132S Jaguar JII-61 Jaguar JII-76S Jaguar JR-101S	



Add Setup					
What do you want to	call your new setup?				
Jaguar	V-61 LX				
How is your Jaguar V	61 LX connected to y	your computer?			
GCC U	SB 000 🔪		Brows		
Production Manager	-				
File Edit Setup Vie	w Help				
1		77	?		(Sin) Cloud
Job ▼ Send	Abort	Delete	Help 🔻		
Job ▼ Send	Abort	Delete	Help V	Status	Tools
Job ▼ Send	LX@GCC USB 000		Help 🔻 Job Name	Status	Tools
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Tools
GCC Jaguar V-61	LX@GCC USB 000	_		Status	
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Tools
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flexic
GCC Jaguar V-61	LX@GCC USB 000	_		Status	
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flexic
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flesources
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flexic
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flexic Resources Printer Sup You
GCC Jaguar V-61	LX@GCC USB 000	_		Status	FilesFilexicResourcesPrinter ProfilesSup
GCC Jaguar V-61	LX@GCC USB 000	_		Status	Files Flexic Resources Printer Sup You

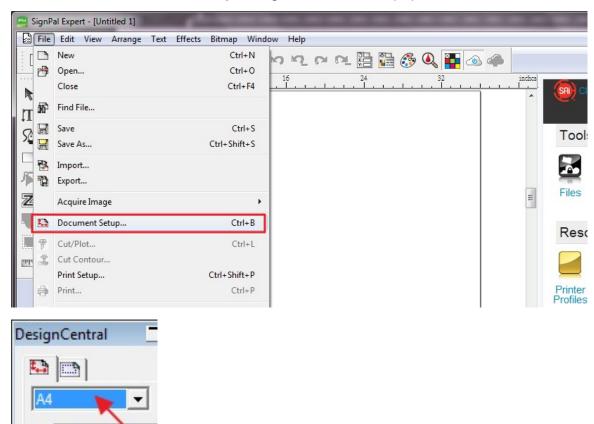


3. Select File > Print Setup in SignPal Software and select the printer.

E Fi		tled 1]					6 0 -			
1	le Edit View	Arrange Text Effects	Bitmap Wir	ndow Help					1	
4	New Deser		Ctrl+N	5 M M	ML 🔡 🔛	1 😚 🤇	💫 🊺 d	۹ 🚯		
	Open Close		Ctrl+O Ctrl+F4	16 	24		32		inches	
									*	C (SEP) C
1			Ctrl+S							-
S			Ctrl+Shift+S							Tool
8	Import									
作司	Export									Files
Z	Acquire Image		1	•					=	Files
	Document Set	up	Ctrl+B							Res
	Cut/Plot		Ctrl+L							T(C)
<u></u>	Cut Contour		C1 C1 C1 C0 D							
	Print Setup		Ctrl+Shift+P Ctrl+P	-						Printer
Prir	nt Setup				_	1				
Prir	Printer Printer Name: Status: Type: Where: Comment:	<mark>\\gpprinter2\</mark> Ready Microsoft enha 4F_行銷		<u>共用_FX Do</u> nt and Print o		• _	Pro			



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



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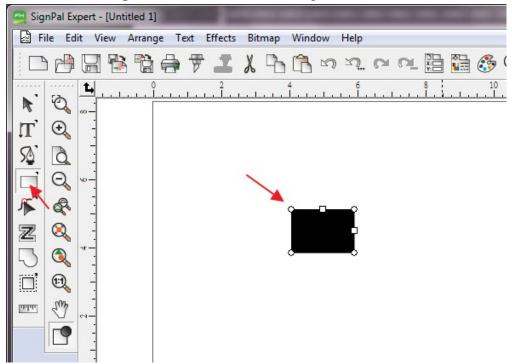
\$.268in

Π

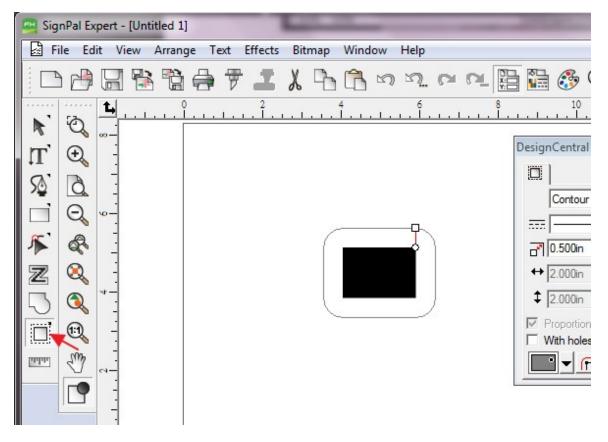


[3] SignPal AASII Quick Start

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

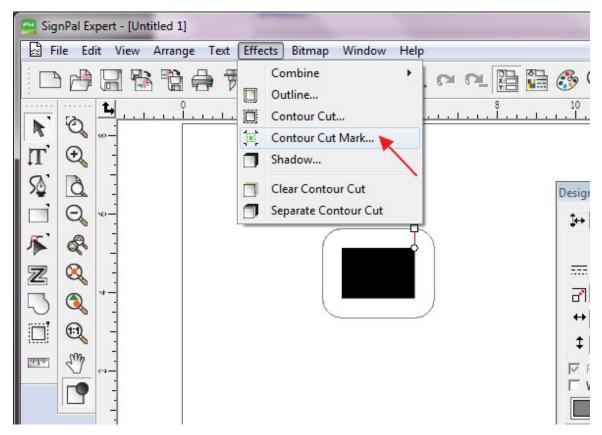


2. Select Effect > Contour Cut. Then click 'Apply' in DesignCentral window.

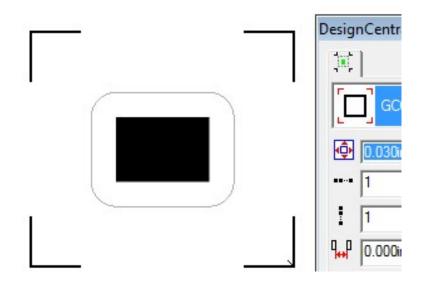




3. Apply the contour cut mark of GCC AASII by selecting Effect > Contour Cut Mark.



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





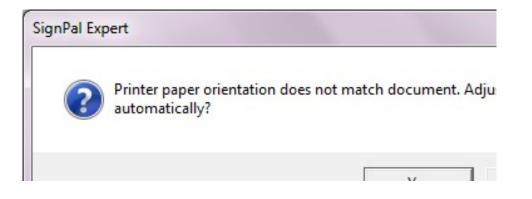
5. There are three types of GCC AASII registration marks: 4-Point Positioning, Segmental Positioning, and Multiple Copies. To make 'Segmental Positioning' marks, please select "GCC Segmentation" in DesignCentral window and then click 'Apply'.

Design	nCentral
ļ.	
	GCC Segmer
٥	0.030in
	1
1	1
¶ <mark>⊷</mark> P	0.000in

- 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.

📟 Sig	nPat r	and III Installed 41	and the second second	
	-	New	Ctrl+N	11
F		Open	Ctrl+O	lelp
) E	Close	Ctrl+F4	n u 🖬 🔡 😍 (
		Find File		6 8 10 . <u>1</u>
		Save	Ctrl+S	
П	0	Save As	Ctrl+Shift+S	
50		Import		
	C D	Export		
1	¢	Acquire Image	•	
Z	0	Document Setup	Ctrl+B	
5	07	Cut/Plot	Ctrl+L	
4	6 🏝	Cut Contour		
		Print Setup	Ctrl+Shift+P	
internet.	n 12	2.2	2.2.2	

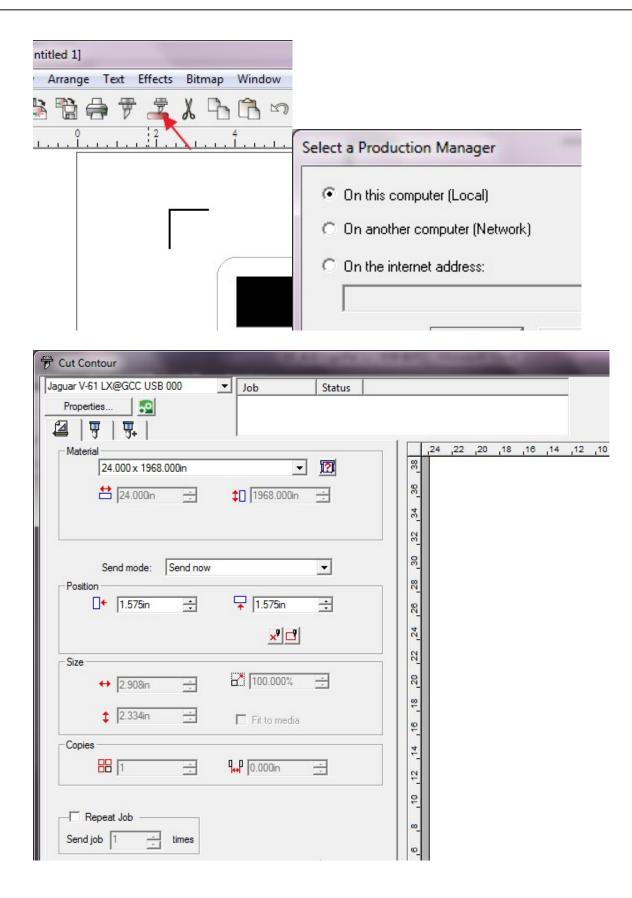




8. Set the Scale as 100% in Print page.

Printer		Preview
	年月_FX Docu ▼ Properties and Print compatibility driver ↑ ASCII	
Copies Number of copies: 1 : 123 123 Collate Scale Fit drawing to paper Fit border to paper Scale: 12in = 1it (100%) T	Print Options Selection only Border Wireframe Substrate Guides Grid Contour cut paths Template	
Print tiled pages Overlap: 0.000in	Position Center	

9. 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.



GCC.



[4] SignPal 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	•	•
Spacing	•	•
Rotate	•	•
Resize	•	•
Deskew	•	٠
Mirror	•	٠
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	•	•

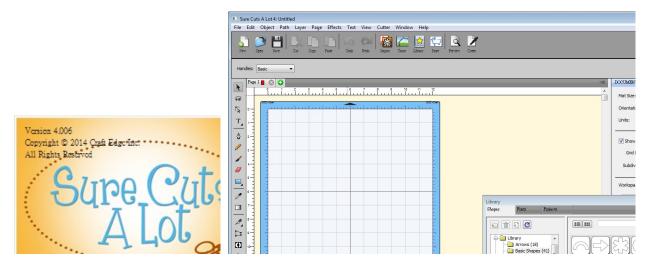


Sure Cuts A Lot

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.

Sure Cuts A Lot 4: Untitled File Edit Object Path Layer Page Effects Text View	Cutter Window Help	
New Open Save Cut Covy Page Undo Redo 1	Mat Size Mat Orientation	+ +
New Open Save Cut Copy Paste Undo Redo I	Preview	Ctrl+Shift+P
Handles: Basic	Cut with GCC i-Craft Cutter Settings	
Page 1 📕 🔕 🔾	My Cutter	•



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

8 9 10 11 12 Manage My Cutters	89 	Manage My Cutters
Cutters you currently have added are to add another Brand/Model. Cutter GCC i-Craft	Add a Cutter Company/E N < Add	Cutters you currently have added are listed below. To add a to add another Brand/Model. Cutter GCC i-Craft </td

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

🖌 Manage My Cutters	
 Cutters you currently have added a to add another Brand/Model.	are listed below. To add a
	Add a Cut
Cutter	Company
GCC i-Craft	Company
GCC	
	100
	< A

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

Mat Size:	12" x 12"	•
rientation:	/ertical (Portrait)	•
nits:	nches	•
Show Grid Grid Lines:	6.00 in	



2. Insert Graphics from Library

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

A Sure Cuts A Lot 4: Untitled	
File Edit Object Path Layer Page Effects Text View Cutter Window Help	
Image: Sere Core Core Core Core Core Core	
Handles: Basic	
-	POSI
	X:
	Y:
	Nu
	ни
	VA
	-
	W:
Library	
5 5 Shapes Fonts Parjeots	
a	
	$ \langle\rangle$

3. Draw Text

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

Sure Cuts A Lot 4: Untitled	
File Edit Object Path Layer Page Effects Text View Cutter Window Help	
New Open Save Corr Copy Fase Undo Redo Import Taxe Library Store Perrise Concr	
Page 1 🛛 🛇 🕤	TEXT
	ILAI
	View:
	Font:
	Alignm
	T
	AV
Shapes Fonts Projects	A
	<u>A</u> 1
a a a b b b b b b b b b b b c <td>LAYER</td>	LAYER



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.

😸 s	ure Cuts A Lot 4: Untitle	ed		
File	Edit Object Path	Layer	Page	Effe
	New Project		Ctrl+I	N
	Open Project		Ctrl+(o
	Save Project		Ctrl+	s
L	Save Project As	Ctrl	Shift+	S
	Import	Ctr	l+Shift+	۰I
	Export	Ctrl	-Shift+	E
	Trace Image	Ctrl	+Shift+	т
	Place Image			
	Scan2Cut			
	FCM Batch Convert			
	Send to			+
	eshape Store			
	Share Project			
	Sync My Library			

Tips Thousands of SVG files designed specifically for Sure Cuts A Lot!
 ✓ <u>http://SVGCuts.com</u> 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.

File	Edit Object Path	Layer Page Ef	ffects Text View Cutte
	New Project	Ctrl+N	
	Open Project	Ctrl+O	
	Save Project	Ctrl+S	Undo Redo Import
	Save Project As	Ctrl+Shift+S	
	Import	Ctrl+Shift+I	
	Export	Ctrl+Shift+E	6 7 8 9 1
	Trace Image	Ctrl+Shift+T	
	Place Image		

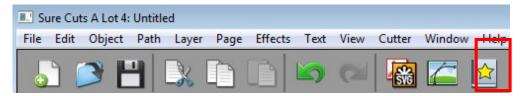
Step 2 Click on "Choose an image" to input the image, adjust Image Settings and Output Settings, and click OK. Then the outline of the image will be outputted automatically.

	ose an image irl_kids_cartoon.jpg	Output Show Nodes Nod Show Source Image:
Image Settings Monochrome	x 1118)	
Contrast (0-100):	[] []94 [
		2000 822 C
Output Settings		
Output Settings Smooth (0-100):	80	
Smooth (0-100):	98	
Smooth (0-100): Detail (0-100):	98	



6. Cut the Design

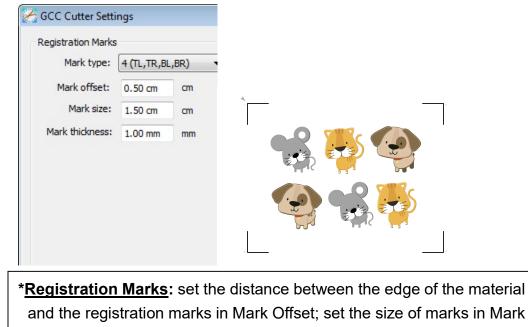
Step 1 Click on the "Cutter" button on the toolbar and Cut Settings window will appear.



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

utter Window	Cut Settings
ort Trace Library	General Q C
	GCC Model: Jaguar IV Connection: USB
	Port: <auto detect=""> Connection 4- 5- 6- 7-</auto>
	Cut Settings 8- 9- Cut Mode: WYSIWYG • 10-
<mark>Note</mark> ✓ The	e origin point is on the bottom right.

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



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.

autter Window	Cut Settings	QC
10 11 12	GCC Model: Jaguar IV Settings Connection: USB Port: <auto detect=""> Connection Connection</auto>	0- 1- 2- 3- 4- 5- 6-
	Cut Settings Cut Mode: WYSIWYG Use Software Speed and Pressure Mirror H Mirror V End Action: Rewind to origin	7- 8- 9- 10- 11- 12-
	Preset: Copy Paper + Holder: Regular Blade (0.25 mm) +	
	Blade/Pen Prompt Blade Offset: 0.25 Multi-Cut: Off Quality: Small Letter Structure	

*Blade Offset: 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.

Cut Settings	
General General	
GCC Model: Jaguar IV	
Connection: USB 10 11 12 Port: <auto detect=""></auto>	
Cut Settings Cut Mode: WYSIWYG	
End Action: Rewind to origin	Cut Mode: WYSIWYG 🗸
Preset: Copy Paper	Use Software Speed and Pressure
Holder: Regular Blade (0.25 mm) Blade/Pen Prompt	
Blade Offset: 0.25 Multi-Cut: Off	Preset: < Custom Preset > Cardstock (120lb.) Holde Cardstock (250lb.) Cardstock (350lb.)

*<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

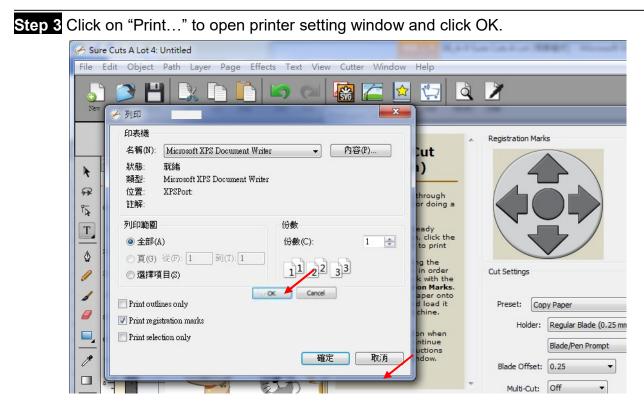
The Print and Cut function allows you to print the graphics from Sure Cuts A Lot to printer, and then put the printed materials on the GCC cutter to cut out the contour of printed jobs from Sure Cuts A Lot.



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.

Cut Settings	
General	
GCC Model: Jaguar IV Settings Connection: USB Port: <auto detect=""> Connection Test Connection</auto>	0 1 2 3 4 5 6 0- 1- 2- 3- 4- 5- 6-
Cut Settings Cut Mode: WYSIWYG Use Software Speed and Pressure Mirror H Mirror V End Action: Rewind to origin	7- 8- 9- 10- 11- 12-
Preset: Copy Paper Holder: Regular Blade (0.25 mm) Holder:	
Holder: Regular Blade (0.25 mm) Holder: Holder: Holder: +	
Blade Offset: 0.25 Overcut: 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.

Print and Cut		Print and Cut	
Print and Cut (Auto Scan) This will guide you through the steps needed for doing a Print and Cut If you have not already printed your design, click the Print button below to print with your printer. You must print using the Print button below in order to print your artwork with the required Registration Marks. Place the printed paper onto the Cutting Mat and load it into the cutting machine. Click the Next button when you are ready to continue	 Registration Marks Reg Marl Reg Marl Reg Marl Reg Marl Reg	 Scan for Registration Marks Position the Carriage so that it is over the first printed registration mark at the top- left of the design. Click Scan+Cut to start the Auto Scan. 	Registration Marks Reg Mari Re

Sure Cuts A Lot



Tips Test Connection function can save your materia ✓ Click on "Test Connection" to exam if set the connection	
Cut Settings	
General GCC Model: Jaguar IV Connection: USB Port: <auto detect=""> Cut Settings Cut Mode: WYSIWYG Use Software Speed and Pressure Mirror H Mirror V End Action: Rewind to origin Preset: Copy Paper Holder: Regular Blade (0.25 mm) H Blade/Pen Prompt Blade Offset: 0.25 Overcut: 0.0 (None) Multi-Cut: Off Quality: Small Letter Speed: 15 cm/s</auto>	
Fest Connection	
This will attempt to move the rollers or blade a short distance bac If you do not see the rollers or blade move, double check the cor make sure the cable is not loose and the power is turned on. This test will not lower the blade and will not cut anything.	