

Puma IV Series User Manual



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<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 <u>from the bottom</u> 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.

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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 cutting 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.

Sta	ndard Item			Quantity
1. C	Cutting Plotter			1
2. S • • •	 tand Set (for P4-132LX / P4-132 only, optional 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 	al for P4-60	LX / P4-60)	1
3. F	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)	P4-60LX / P4-60	P4-132LX / P4-132 V V V	1
	1 set of Roll Holder Support (2 pieces)		V	
	32 pieces of No screws 1 piece of M6 L-shape hexagon screw driver		V	
	1 piece of Roll Base	V		

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	-

4. Accessories	
 1 piece of User's Compact Disk 	
 1 piece of AC power Cord 	
• 1 piece of data cable (USB cable: 3m)	
 1 piece of Ethernet cable 	
• 1 set of Blade Holder Assembly (Installed in tool carriage of the cutting	1
plotter)	I
 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**

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

Appearance of Puma IV 1.4

1.4.1 The Front View (Figure 1-1)



Alignment Rulers

media can be aligned with the clear guide line marks

Figure 1-1

1.4.2 The Back View (Figure 1-2)



Figure 1-2



Roll Holder - holds

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.

Roll Holder Guide Bushes – serve to keep the roll media in place when media is pulled from the roll.



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.

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.
- 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 **12** 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.







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>



Figure 2-14

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



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



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 CorelDRAW and Adobe Illusatrator, exit CorelDRAW and Adobe Illusatrator program, and then click on "Install."



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



Note:

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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.



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	Properties			×
Forms Ports	Drivers Security A	dvanced		
Forms on:	MARKET-EILEENC			
10x11 10x14 11 x 17			^	Delete
11 x 17 11x17			-	Save Form
Form name:	10x11			
Create a r Define a new measuremer	new form form by editing the e its. Then click Save Fo iption (measurements Matric	existing name and orm. 5) — English	d	
Paper size:	Printer	area margins:		
Width:	25.40cm Left:	0.00cm	Top:	0.00cm
Height:	27.94cm Right:	0.00cm	Bottom:	0.00cm
🔋 Chan	ge Form Settings]		



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

Print Server Properties	-		x
Forms Ports Drivers Securi	ty Advanced		
MARKET-EILEENC	2		
Name	Processor	Туре	<u> </u>
Adobe PDF Converter	x86	Type 3 - User Mode	
Bullzip PDF Printer	х64	Type 3 - User Mode	
Bullzip PDF Printer	nt Server Properties Ports Drivers Security Advanced MARKET-EILEENC Adme Processor Type Adobe PDF Converter X86 Type JUser Mode Hullzip PDF Printer X86 Type JUser Mode HP Color LaserJet 2800 S X86 Type JUser Mode Aicrosoft APS Documen X86 Type JUser Mode Aicrosoft XIP Soc		
Graphtec CE6000			
HP Color LaserJet 2800 S	x86	Type 3 - User Mode	-
i-Craft	erties erties		
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	Remove	Properties	
🛞 Change Driver Settin	gs		
	0	Cancel Ap	oply

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

Remove Driver And Package		
Do you want to remove the driver(s) only, or remove the driver(s) and driver package(s) from your system?		
Remove driver only.		
Remove Driver And 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 		
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: RXII-132S_1 (x86)	Driver RXII-132S_1 was removed.
Delete	Delete

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.

				Current Output Device			-
Device name	Driver:			GCC RX-101S			
GCC RX-101S	GCC RX-101S		•	Driver: GCC RX-61 File: C:\Program Files\GCC\	GreatCut 3\cutter\GccRX.ECD		
🖙 📃 Run as Plot Se	erver (192.168.100.137)			Port: 192.167.101.170			
Device Types:				Mode: Cut			-
Local Ports:				Material: Foil			•
LPT USB / FireWire Devic	Please select >>	Settings		Default Settings	Weed border:	2.00	mm
FireWire 🔍 📃				Wait after segment	Overlap:	0.00	mm
TCP / IP:				Sort before output	Copies spacing:	0.00	mm
	92 167 101 170	Port 9100		Plot to file	Segment spacing:	0.00	mm
	32 . 107 . 101 . 170	Full. 3100	•	Read out automatically	Stack spacing:	0.00	mm
Spooler:				Output only tool-assigned lay	ers 🔲 No tooltips		
Spooler 🔘 ??	? OneNote 2010		-	Enable output for objects larg	er than page size		

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

arts.	Great	Cut 3 - fi-Craft碳鐵圖.job	*]			Outp	out to device GCC RX-101	S					6	2 X
x x		Edit Design View I New Ctr Open Ct Save Ct Save Ct Save Shift+Ct	Iools Sett trl+N % trl+L % trl+S %	ings <u>W</u> indo 	w <u>Help</u>	Ou	Device: GCC RX- Mode: Cut Output Profile: Foll	101S Manage Profiles	•	Number of outputs: Number of copies: Stack spacing: Weed border: Copies spacing: Segment spacing:	1 0.00 mm 2.00 mm 0.00 mm	Output only Sort before Keep refere Plot to file Flable tool Wait after s	tool-assigned laye output ince point tips egment Save settings	15
400 500 mm	i 😒 🗝 🖓 🏠	Send by Email Jmport Ct Export Ct Print Ct	Ctrl+I trl+E trl+P		100	P P S N L C A S	Parameter Pressure [g] Speed [cm/is] Material width [mm] e.org/th [mm] Cut off AutoCut Dist [mm] Step count			Value 80 108 30000.00 Off 5 1		ŭ		
200 300	1	Output	s trl+ Q				Preview		Output	Read m	aterial	Accuracy: Origin: Objects:	Normai New origin All objects Test drive Cancel	•

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

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

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etup - Output Devices		?	
Current Output Device			
GCC RX-101S			Add local device
Driver: GCC RX-61			Connect to Plot Manager
File: C:\Program Files\GCC\Gre	Change		
Port: 192.168.101.170	Delete		
Mode: Cut			
Material: Foil		-	
Default Settings			
Keep reference point	Weed border:	2.00 mm	
Wait after segment	Overlap:	0.00 mm	
Sort before output	Copies spacing:	0.00 mm	
Plot to file	Segment spacing:	0.00 mm	
Read out automatically	Stack spacing:	0.00 mm	
Output only tool appianed layers	No toolting		
Culput only tool-assigned layers	in to toolups		
Enable output for objects larger f	than page size		
		Apply	
ОК	Lancel	Арріу	

II. Output through Ethernet Driver

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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.)

CP/IP Configurat	ion			×						
This setup allows you to configure your TCP/IP port.										
IP Address:	192 .	168	1	. 153						
Model:	RXII-132S	•								
		(Save	Cancel						


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



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.

🖶 Bengal-60 Proper	ties				×
General Sharing F	Ports Advanced	Color Management	Security	Option	Paper
 Always availab Available from 	le 12:00 AM	To	12:00	AM	A V
Priorit <u>y</u> : 1	×				
Dri <u>v</u> er: Ber	ngal-60		-	Ve <u>w</u> Driv	er
 Start printing after last page is spooled Start printing immediately 					
Print directly to Print directly to Print directly to Print spooled of <u>K</u> eep printed d <u>E</u> nable advance	b the printer hed documents documents first ocuments ed printing feature	:5			

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.



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2.7 Software Installation

2.7.1 GreatCut Installation

Step 1 Click GreatCut Registration in installation DVD to go

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



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



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



Software Download GreatCut 3					
Great Gu Software Registra	tion				
Last name, first name:	Eileen , Chen	1	Required fields		
Company:	Would you please use Latin resp. West-European characters! GCC				
Street:	4F-1, No. 236, Fude 2nd Rd., Xizhi Dist.	1			
PO box:					
City:	New Taipei City	1			
State/Prov.:	(only US and Canada) 🔻				
Zip (postcode):	22151	1			
Country:	Taiwan 🔻	1			
Phone:	886266166692	1			
Fax:]				
eMail address:	eileen.chen@gcc.com.tw	1			
	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.

Registration Successful
Thank you, that you decided for GreatCut 3.
An email with further information for GreatCut 3 was sent to the given email address (eileen.chen@gcc.com.tw). Please be patient, as it may last up to 30 minutes until you can receive this email.
If you don't receive an email, please fill out the form on <u>accoucher.eurosystems.lu</u> again with a working email address.
[Home Great Computer Corp.]

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





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



Step 7 Select a destination folder.

Choose Destination Location Select folder where setup will	m ntall files. 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.
lastalliidid	Destination Folder C.VProgram Files/GGCVGreatCut 3 Bjowna

Step 8 Select Typical and click Next.

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







Step 9 Select the folder and click Next.

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



Step 10 GreatCut is installing.

eatCut 3 setup Setup Status	
	The InstallShieldR Wizard is installing GrealCut 3
Creat C .	
Great Ot	
InstallShield	Cancel

Step 11 Click Finish to complete installation.

GreatCut 3 setup	A R R Dr Dr Dr Dr Dr Dr Dr
	InstallShield Wizard Complete
	The InstallShield Wizard has successfully installed GreatCut 3. Before you can use the program, you must restart your computer.
	Yes, I want to restart my computer now.
	No, I will restart my computer later.
	Remove any disks from their drives, and then click Finish to complete setup.
InstallShield	Kack Finish Cancel



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

寄件者: RCS-ONLINE <di 收件者: eileen.chen@gcc.c</di 	ectdownload@eurosystems.lu> im.tw		
副本: 主旨: GreatCut 3 - Rece	pt and License code		
🖂 訊息 📄 GC16P-1867.4	ecf (273 B)	-	
GCC G	reat Cut	-	
1. Please print this eM	Iail.		
2. License data for G	reatCut 3		
The following license use.	code will be activated by copying or saving the att		
For a possibly necessa	ry manual input, here the license data (green) again	Live Update:	
Company / Name: eMail: Code:	GCC <u>eileen.chen@gcc.com.tw</u> GC16P-BMDI_BVAC-SIFC-VTWY-RHZS	License installed successfully.	
Number of Licenses: Serial No.:	1 GC16P-1867	ОК]

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

License data:		
	Note: Please fill out the fields of the license data exactly as you received it.	
	Company / name: [GCC eMai: leais lee@ges.com.tw Code: [KGCC-XXXXX-XXXXX-XXXXX System information PIN:]3666223328-0-9-1-57:MARKET-KEIRA2	
寄件書: RCS-ONLINE «dire	OK Cencel	書件日期: 2015/2/25
收件者: □eileen.chen@gcc.com	m.tw	
副本: 主旨: GreatCut 2 - Recein	stand License code	
☑ 訊息 GC16P-1867.ed	cf (273 B)	
The following license c activation is done fully For a possibly necessar	ode will be activated by copying or saving the attached file to the computer and automatic and GreatCut 3 is ready to use. y manual input, here the license data (green) again in plain text:	starting it via double click. Thus th
Company / Name:	GCC	
eMail:	eileen.chen@gcc.com.tw	
Code:	GC16P-BMDL-BVAC-SJFC-VTWY-RHZS	
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** Put your installation DVD into your CD-ROM to start the installation. The software is compatible with Windows 7 and above and Macintosh OSX 10.6 and above.
- Step 2 Select "Install Sure Cuts A Lot" to start the installation.

Step 3 Press Next to continue.

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

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





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



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.

弲 Setup - Sure Cuts A Lot 4	
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while insta Lot 4, then click Next.	alling Sure Cuts A
Additional icons:	
Create a desktop icon	
File extensions:	
< Back Next	> Cancel



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

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

Step 8 Run Sure Cuts A Lot.

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

the internet.







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



Step 11 Sure Cuts A Lot is ready to use.

Sour Cuts All the Utilities Constant Market Marke				
ref 28 00 00 c 7 20 00 c 7 20 00 c 7 20 00 c 7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Handles: [Basic •				
	Doctodar Net See: Lafa Laf Dorentation: Immode Partnet Dorentation: Immode Partnet Dote: Set Dote:			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Comp Text Text <th< td=""></th<>			

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 your N	ame, Serial and Activation Code.
Name:	k
Serial:	
Site Code:	62920-43822-24190-41812
Activation Code:	
📝 Activate manual	Cancel OK
If you are unable to	activate, check the Activate manually option, and visit
http://www.crafted.g	e.com/activation to obtain your Activation code.

- Step 2 Visit <u>http://www.craftedge.com/activation/surecutsalot</u> via an internet connected computer. Enter your name, serial (software key, shows on the DVD cover) and site code.
- Step 3 Click on the "Generate Activation Code" button, and your activation code will be shown in the Activation Code field.



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.





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 >

Key	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"



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]		
	 To move the tool carriage position on X or Y axis. To select functions or change values of settings. 		
	[ENTER]		
	 The displayed parameters will be saved automatically. To set a new origin at the present tool carriage position. In "offline" mode, moving the tool carriage to desired position by [Arrow Keys], then press [ENTER] key to set a new origin. While moving with the parameters of XY-axes displayed, press [MISC] key will enable fine-tune movement; press [MISC] key again to disable the function. 		
	[PAUSE/RESUME]		
	To temporarily halt the cutting process. To resume the process by press [Pause/Resume] key again.		
	[ONLINE/OFFLINE]		
	 To switch between online mode and offline mode. 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 center axis.	0.000~1.000mm	0.275mm
	[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; 3cm/sec per step	51cm/sec
Up Speed	To set or modify tool speed while the tool move from endpoint to next start point at horizontal moving.	3~72 cm/sec; 3cm/sec per step	51cm/sec
Quality	To set or modify cutting quality.	Draft, Normal, Fair, Fine	Normal
	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.		

	To set or modify tool acceleration loyels while the tool move	High Modium	Modium
Jp 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		
Redo Johs in	To redo the cut test jobs saved in memory by recutting or	Recut (number of	Recut
Vemory	producing cut test copies. Recut number: 0 means limitless. If	iobs: 0-99)	Roour
	you want to set number as 0, you should set that between	Jewel e ee)	
	repowering the cutter and putting down the lever.	Copy (number of	
		jobs: 1-999)	
Repeat AAS	To repeat AAS jobs automatically without having to operate		
I.a.h.	on the computer side.		
JOD	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		
	onered the choice of Repeat AAS Job Again , please		
	This option will appear after finishing reading all registration		
	marks (Puma only)		
Ratio Setting	To adjust the size of the pattern	100%, 200%,	100%
lane comig		300%, 400%	
Pattern Setting	To provide two patterns for cut test	"Arrow" and	"Arrow"
0	Note: It is recommended to select "Cross" if you are working	"Cross" patterns	AIIOW
	on thick pieces of materials.		
	[DATA CLEAR]		
	To clear up buffer memory.		
	[TOOL SELECT]		1
Save	To save pattern(s) of cutting parameters for later use.	Patterns1~4	Pattern 1
Parameter	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		
Set Smoothing	To enable smooth-cutting function		Enable
Cut			Linabio
Over Cut	To generate an overcut to facilitate weeding	0.00mm-1.00mm	0.00mm
		0.05mm/per step	0.0011111
Set Tangential	To enable the emulated tangential-cutting mode for thicker		Disable
Vode	media types and small letter cuts.		
	Note: while the Offset value setting at 0.000 mm, "Set		
	Tangential Mode" will automatically be disabled.		
Panel Setup	Accept setup command:	<u> </u>	
	To accept commands of the Force, Speed, Cutting Quality.		
	and Offset only via software.		
	Control panel only:		
	and Offset only via control panel of the suffer		
	and Onset only via control panel of the Cutter.		
autory	ro tum an parameters of the menu items to factory-default		
Dofault?	COTTINAC		



	[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.	Enable 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)		
Dopor Soving	You can refer to 5.3 Printer Lest for more details.		Longth
Mode	1. Length expanded mode2. Width expanded mode3. Both expanded mode4. Both unexpanded mode		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, p9600, p, 7, 1, p9600pbs, 7 Bits with NO Parity9600, e, 7, 1, p9600pbs, 7 Bits with CDD Parity9600, n, 8, 1, p9600pbs, 8 Bits with NO Parity9600, o, 8, 1, p9600pbs, 8 Bits with CDD Parity9600 e, 8, 1, p9600pbs, 8 Bits with CDD Parity9600 e, 8, 1, p9600pbs, 8 Bits with CDD Parity		

<u>GCC</u>

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	19200, n, 7, 1, p 19	9200pbs, 7 Bits with NO Parity		
	19200, o, 7, 1, p 19	9200pbs, 7 Bits with ODD Parity		
	19200, e, 7, 1, p 19	9200pbs, 7 Bits with EVEN Parity		
	19200, n, 8, 1, p 19	9200pbs, 8 Bits with NO Parity		
	19200, o, 8, 1, p 19	9200pbs, 8 Bits with ODD Parity		
	19200, e, 8, 1, p 19	9200pbs, 8 Bits with EVEN Parity		
Firmware	To display the version	number of Firmware and FPGA code.		
Version				
Select	To select displayed lan	guages on LCM panel in English,		English
Language	Spanish, Italian, Deuts	ch, Japanese, Portuguese, Polish,		-
	Turkish or French.			
Select Units	Provide four-unit system	ms for users convenient.	cm/s; inch/oz;	Metric
			cm/oz; inch/gram	
Scale Length	Fixed scaling, for main	tenance only.		
Scale Width				



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)



Figure 4-6



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	Security
Op	otion		Paper	AAS Insta	aller
Setting			File Fi	unction	
Pen Spee	ed 30	cm / s		Save	
•			•	Load	
Pen Forc	e 80	g		Original	
•				Caus Ta Dafault	
Offset	0.27	'5 mm		Save to Default	
•			•	Delete	
Quality	Small Lette	r	- Cust	om Media :	
Hmage Sc X: ∢	aling 5000 / !	5000 mm	4		
Y: ∢	5000 7 3	5000 mm	Þ		
Use F	lotter Setting		Defa	ult :	
AAS:	to Home Drigin using pri on Cutting	nter setting	<mark>Rel</mark> Vinj Wir	flective_film.JA4 yIJA4 ndow_tint.JA4	
● A ◎ B	v Registration 1	vlarks			
Die Ci	, <u>9</u>				
Die Cut Ler For	ngth 1.00 ce 80	mm	Kiss Cu	ut 1.00 I Length 40	mm 9
			OK	Cancel	Apply

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).



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 Optic	Sharing on	Ports	Advanced Paper	Color Management AAS Insta	Security ller
- Paper Size-			Unit		
X:	2640.0) mm		Metric (mm)	
Y:	1320.0) mm	C) Imperial (inch)	
	⊂ Vers	ion No. —			
		Copuriab	Puma IV-60 LX t (c) Great Comput	ter Co	
		All	Rights Reserved.		
			DV 2.16-02		
		(GCC		
		W	ww.gccworld.com		
					Annt

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.

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



Figure 4-27

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

Color Width:	Arrows	1
Hairline	Options Options	
Cogners: Miter limit: 5.0	Calligraphy Stretch: Nib shape: 100 • 96 Angle: 0.0 • 0	Figure 4-28
Line caps: 📻 📻	Default	
Position: I I I	Behind fill Scale with object	
ок	Cancel <u>H</u> elp	



		Arrows	5	
<u>C</u> olor:			×	
Width:	_		^	
Hairline		1 📑 🔳		
Sty <u>l</u> e:	RGB Palette		•	io <u>n</u> s •
			R 0	
			G 255	shape:
		Green	B O	
Co <u>r</u> ners:		R: 0 G: 255		
<u>M</u> iter limit:		B:0		
		#UUFFUU		
L <u>i</u> ne caps:				<u>2</u> efault
Position:			100	
O <u>v</u> erpr				
			. 1	

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.



Chapter 5 Automatic-Aligning System

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 CorelDRAW plug-in
- In black color (printing quality of registration marks is essential; incorrect, misaligned colors, blurry or smeared printout might leading to inaccurate cutting result)
- Length: The length of marks
 - → Range: 5mm~50mm
 - → Optimized Setting: 25mm
- Thickness: The line thickness of marks
 - → Range: 1mm~2mm
 - → Optimized Setting: 1mm



- Margin: The distance between marks and images
 - → Range: 0mm~50mm
 - → Optimized Setting: 5mm

The cutter can not detect the marks while:

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

5.2.3 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 that you can find in the enclosed Installation DVD to make sure the AAS II cutting accuracy of Puma IV.

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:
 <u>Horizontal line is defined as X and vertical is defined as Y (when facing the cutting plotter)</u>
 - When the actual cutting line and the printed line need to be changed towards the direction of origin mark, then simply add the negative value of the offset. If the direction is from the opposite of the origin mark, then enter positive values for the offset (see the following figures). This method applies to both X and Y axes.



Note:

GCC

- 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.





Cut the Contour

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

5.6 Tips for AAS

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

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

GC

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	Roller-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	(1.97 in)	
Acceptable Material Thickness	0.8 mm	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 i	ncrease of 0.025 mm)	
Mechanical Resolution	0.009 mm	ח (0.00035")	
Software Resolution	0.025 mm (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		
	Auto Rotat	ion functions	
Memory Buffer	32 MB / 16 M	B (when using AAS)	
Interfaces	USB 2.0 (Full Speed), Serial (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)	
	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	0 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 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.



5. Choose the correct model you have installed.

?rint					X
General Layout S	Separations Prepress Misc 😿	No Issues			
Destination					
Name:	aguar IV 183	Proj	perties		
Type: Ja	aguar IV 183	Use	PPD		
Status: Re	eady	•			
Where: GC Comment:	CCUSBO:	V Print	to file	-	1
Print range		Copies			
Current page					
O Pages:]Collate		
Print style: Cor	relDRAW Defaults		Sa <u>v</u> e As	Dane 1	
Print Previe <u>w</u>	Print	Cancel Apply		outoreal, 25	



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

Print				
General Layor Separations Image position and size As in document Fit to page Settings for Page 1: Position: Siz X: 35.91 m A Y: 169.07 1 A Fit do pages Tile overlap: 0.0 m	Prepress Misc No Issues Center of page Center of page Top center Left center 8,18 Bottom center Top left corner Bottom left corner Bottom right corner Bottom right corner M V or page Widt	# of tiles:		
Bleed limit: 4.0 m Imposition layout: As in	m 💠 document (Full Page)		A Page 1	~
Print Preview	X Print Cance	el Apply Help	Proversion and the second second	

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.

Destination		
Name:	Properties	
Type: Jaguar IV 183		
Status: Ready		
Where: GCCUSB0:		
Comment:	Print to file	
Print range	Copies	
Ourrent document O Documents	Number of <u>c</u> opies: 1	
Current page		
O Pages: 1		
Even & Odd		
rint style: Custom (Current settings not saved	d) 🔽 Save As	



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 CoreIDRAW 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".

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

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



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

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

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

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

Options	2	X	
 Workspace General Display Edit PowerClip Frame Snap to Objects Warnings VBA Save PowerTRACE Plug-Ins CorelMacros/Paylomber. CorelMacros/Paylomber. CorelMacros/Paylomber. CorelMacros/Paylomber. CorelMacros/Paylomber. CorelMacros/Paylomber. CorelMacros/Paylomber. Global 	eneral Shortcut Keys Appearance soltip Help: urrently Available On:	CorelDRAW X7 (64-Bit) - Untitled-1 <u>File Edit View Layout Arrange Effects</u> <u>Edit View Layout Arrange</u>	Bitmap V

GCC



GCC

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: 1. The length setting will be in the range of 5-25mm according to your page size.	AAS II Reg. Mark Setting v1.02-01
2. Please DO NOT make any changes to the "Origin"	Length 11 mm
section when you choose to add registration marks by	Thicknessmm
page size as indicated below otherwise the position of	Margin 0 mm
the marks will be changed (please see Figure A3-2).	Segmental Positioning
	X Step 300 mm
Options X	Y Step 300 mm
Save Save Nudge Super pudge: 2 x 0.010 in	C Multiple Copies
Power IKALE Plug-Ins Units: inches ✓ Micro nudge: 0.010 in / 2 → Toolbox © Same units for Duplicate distance, Nudge and Rulers	No. of X Copies 1 No. of Y Copies 1
Command Ba Command Ba Command Ba Color Palette Vertical: inches ▼	
General Page Size Same units for Horizontal and Vertical rulers	Apply Cancel
Layout Origin Label Horizontal: Background Wertical: 0.0 ▲ inches Ø Wertical: 0.0 Image: Show fractions	
Rulers Show Rulers Edit Scale	Figure A3-1
Ciobal T Concel Help	igure A3-2

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.



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



Add Registration Mark by Object

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



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

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



4-Point Positioning



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



Figure A3-6

Note:

GC

 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

AAS II Reg. Mark Setting v1.02-01	×
Add Registration Mark by page size Add Registration Mark by Object 4 Point Position Length 25 mm Thickness 1 mm Margin 0 mm	
Segmental Positioning X Step 200 mm Y Step 200 mm	
 C Multiple Copies No. of X Copies 1 No. of Y Copies 1 ☐ Copies with outline 	
Apply Cancel	

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

Segmental Positioning

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

Figure A3-9



The system will create the as shown in the picture below

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.

Figure A3-10





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.



GCC

Contour cutting through CorelDraw

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



Figure A3-13

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

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




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 Poisitioning ↓		
Length(mm): 25	(10~50)	
Thickness(mm): 1	(1~2)	
Margin(mm): 0	(0~50)	
Segmental Poisitioning 🗼		
X Step(mm): 500	(200~600)	
Y Step(mm): 500	(200~600)	
Multiple Copies 👃		
No. of X Copies: 1	(1~50)	
No. of Y Copies: 1	(1~50)	
Copies with outline		
Apply Cancel		

Note:

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



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



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





Step 8 Hit "Edit Artboards".

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

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

Ai File	Edit Ob	ject Type	Select Effect	View Win	dow Help	Br 🕂 🔻	
Artboard	Presets:	Letter	 ▼ ∯	Å	Name: Artb	oard 1	ŵ
44	貓頭鷹cor		avie	w) ×			
		Fit to Artwo	rk Bounds				
* @		Fit to Selec	ted Art				
		 Letter 		rthoard 1			-0
		Legal		(100ard 1			
		Tabloid					
		A4					



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 Preset: Custom Print Preset: Custom Printer: PXII-132S PPD: PPD: General Marks and Bleed Output Graphics Color Management Advanced Summary General Marks and Bleed Options Width: Z483.4644 Height: Simmary Options Pint Layers: Visible & Printable Layers Pint Layers: Visible & Printable Layers Pint Layers: Visible & Printable Layers
Print Preset: Custom Printer: PXII-132S PPD: Image: PD: Image: Color Management Advanced Advanced Image: Summary Ignore Artboards Media Size: Defined by Driver Width: 2483.4644 Height: 2741.7322 Orientation: Auto-Rotate Image: Image:
Printer: RXII-132S PPD: PD: General Marks and Bleed Output Graphics Color Management Advanced Summary Ignore Artboards Stip Blank Artboards Media Size: Defined by Driver Width: 2483.4644 Height: 3741.7322 Orientation: Auto-Rotate Transverse Options Print Layers: Visible & Printable Layers Placement: 28: X: D pt Y: 2899.84 p: Scaling: D Not Scale Overlap:: D pt
General Marks and Bleed Output Graphics Color Management Advanced Summary
General General Marks and Bleed Copies: 1 Collate Reverse Order Graphics Color Management Advanced Range: Image: Summary Ignore Artboards Skip Blank Artboards Media Size: Defined by Driver Image: Width: 7483.4644 g Height: 3741.7322 g Orientation: Auto-Rotate Image: Image: Image: Image: Image: Image: Options Print Layers: Visible & Printable Layers Image: Placement: Image: Image: Image: Image: Options Print Layers: Visible & Printable Layers Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image:
General General Marks and Bleed Copies: 1 Collate Reverse Order Output Graphics Artboards: • All Atboards: • All Advanced Summary Ignore Artboards ✓ Skip Blank Artboards Media Size: Defined by Driver ✓ Width: 7483.4644 Height: 3741.7322 Orientation: Auto-Rotate 🖬 🗟 🗐 🗐 🗐 Options Print Layers: Visible & Printable Layers ✓ Placement: 🐯 X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Overlap: 0 pt
Marks and bleed Output Output Copies: 1 Collate Reverse Order Graphics Artboards: ● All Range: Ignore Artboards Skip Blank Artboards Summary Ignore Artboards ✓ Skip Blank Artboards Media Size: Defined by Driver Vidth: 7483.4644 • Height: 3741.7322 • Orientation: Auto-Rotate Image: Image: Image: Image: Options Print Layers: Visible & Printable Layers Image: Image: Image: Visible & Printable Layers: Visible & Printable Layers Image: Image: Image: Image: Options Placement: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image:
Graphics Color Management Advanced Summary Artboards: ● All Ignore Artboards Skip Blank Artboards Ignore Artboards Skip Blank Artboards Media Size: Defined by Driver Width: 7483.4644 1 Height: 3741.7322 p Orientation: Auto-Rotate Transverse Options Print Layers: Visible & Printable Layers Placement: X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Overlap:
Advanced Summary Range: Ignore Artboards Kedia Size: Defined by Driver Width: 7483.4644 p Height: 3741.7322 p Orientation: Auto-Rotate Transverse Options Print Layers: Visible & Printable Layers Placement: BS X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Overlap: Options
Summary Ignore Artboards ✓ Skip Blank Artboards Media Size: Defined by Driver Image: Construction of the construction of
Media Size: Defined by Driver Width: 7483,4644 p Height: 3741.7322 p Orientation: Auto-Rotate Transverse Options Print Layers: Visible & Printable Layers Placement: String: X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Overlap: 0 pt
Width: 7483.4644 p Height: 3741.7322 p Orientation: Auto-Rotate Image: Im
Orientation: Auto-Rotate Transverse Options Print Layers: Visible & Printable Layers Placement: Scaling: Do Not Scale Overlap:
Orientation: Auto-Auto-active Auto-Auto-active Transverse Transverse Options Print Layers: Visible & Printable Layers Placement: BBB X: 0 pt Scaling: Do Not Scale Overlap: 0 pt
Transverse Options Print Layers: Visible & Printable Layers Placement: 250 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 / 200 /
Options Print Layers: Visible & Printable Layers Placement: State X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Overlap: • 0 pt
Print Layers: Visible & Printable Layers Placement: Placement: Scaling: Do Not Scale Voerlap: 0 pt
Placement: BSB X: 0 pt Y: 2899.84 p Scaling: Do Not Scale Verlap: 0 pt
Scaling: Do Not Scale Verlap: Overlap: O pt
Scaling: Do Not Scale V Overlap: 0 pt
Scale: W: 100 0 H: 100
Media: 7483.46 pt x 3741.73 pt Tile Range:
Setup Done Print Cancel

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

Step 16 Your job is now completed.



Add Registration Mark by page size

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



Note:

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



Workable area

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

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

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

Print	
Print Pre	eset: Custom 🕑 💾
Prir	nter: JaguarIV-101
	PPD:
General	General
Marks and Bleed	Copies: 1 Collate Reverse Order
Output	⊙ All
Graphics Color Management	Range: Skip Blank Artboards
Advanced	
Summary	
	<u>W</u> idth: 5760 pt Height: 2880 pt 🕅 🗟 🕑 🗃
Loff cide	Options
	Placement: 202 A: Upt I: Upt
	⊙Do Not S <u>c</u> ale
Top side Bottom side	○ <u>Fit</u> to Page (483.8058%)
	Custom Scale: W: 100 & H: 100
Origin Right side	
	Full Pages Overlap: 0 pt
	Scale: <u>W</u> : 100 🕲 <u>H</u> : 100
	Tile Range:
14 4 1 of 1 (1)	
	Print La <u>v</u> ers: Visible & Printable Layers
Cature	
	Print Cancei Do <u>n</u> e

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



Add Registration Mark by Object

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

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



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

AASII_Reg_Mark_	Setting Pro	og v2.10-01
Make by Page	size	
✓ 4-Point Poisitionin 	ng ↓	
Length(mm):	25	(10~50)
Thickness(mm):	1	(1~2)
Margin(mm):	0	(0~50)
Segmental Poisiti	oning 🗼	
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)
Copies with ou	utline	
Execu	Apply	Cancel



Three types of registration marks

4-Point Positioning

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

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

AI File	Edit Object Type Select Effect View Window Help 🔯 🔳 🔻	Essentials + D	
No Selection	v 💋 v Stocker 🗘 v v 🔹 Spt. Round v Operator 100% v Style v Document Setup Preferences 🕸 v		
	Image: State and P 4/S (CMMC/Providen) ×	Swatchen Bruchen Symbols Swatchen Bruchen Symbols R. B. D	
	and a life of the bit Selection b		•



Note:

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



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

Table 1

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

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

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



Segmental Positioning

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



Segmental Positioning

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

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

Segmental Positioning





Multiple Copies

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



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



GreatCut Plug-In Instruction

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

GCC AASII System

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

Edit your image in CoreIDRAW

4-Point Positioning

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





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



Contour lines will be added to the images.





Tips: Vector object to create round outline

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





Round

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



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



Step 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	

GCC



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 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 thickness of marks → Range: 1mm~2mm → Optimized Setting: 1mm

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

Settings

ings		
	Eurosystems Softwa	are: GreatCut 4 ~
	Jog ma	urks: GCC (AAS II)
	Export Pa	ath:
	Name of layer for Jog Ma	irks: Regmark
Name o	Name of layer for Outli	line: Outline
		Output Parameters
	During t	Show always contour and outline settings 🗹 he cut process only transfer "Regmark" and "Outline" layer 🗹 Create new file while cutting 📝
		Open output dialog while cutting
		OK Cancel



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



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).



25mm

		Area to be cut
h Im	5mn	n
	Suggested mark length	

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

Table 1

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

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





Output

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



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







Step 3 Select Output under File.

a=10.	Gre	atCut <mark>4 - [(</mark> unti	itled - 1) *]										
Gentfice	File	<u>E</u> dit <u>D</u> esigr	n <u>V</u> iew <u>T</u> ools	<u>S</u> ettings	<u>W</u> indow	<u>H</u> elp							
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5	4	Export	Ctrl+E										
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Step 4. Select Cut with AAS in Mode/Tool in the Output to device window.

Device: GCC Jaguar V LX 61 V Iode: Cut with AAS V Output Profile: Foil V Manage Profiles	Number of outputs: 1 Number of copies: 1 Stack spacing: 0.00 mm Weed border: 2.00 mm Copies spacing: 0.00 mm	Output only tool-assigned layers Keep reference point Plot to file Enable tool tips Wait after segment Save settings
Parameter AAS Offset origin X [mm] AAS Offset origin Y [mm] Pressure [g] Speed [cm/s]	0.00 0.00 15 50 20843	mplete the settings of A set, Pressure, Speed, terial width and so on.
Length [mm] Number of outputs in X-direction Number of outputs in Y-direction Distance between copies [mm]	320.18 1 1 10.00	Sort Options
Step count	1	Accuracy: Normal 🗸
Job will be segmented!		Origin: New origin V Objects: All objects Test drive



Dutput							
Device:	GCC Jaguar V LX 61	~	Number of outputs:	1 Output on	ly tool-assigned layers		
			Number of copies:	1 Keep refe	rence point		
Mode:	Cut with AAS	~	Ctack apacing:	Plot to file			
	-		Stack spacing.	Enable too	ol tips		
Output Profile:	Foil	~	Weed border:	2.00 mm			
			Copies spacing:	0.00 mm 🗌 Wait after	segment		
	Manage Profiles						
	manager remove m	-			Save settings		
Parameter			Value		ra autaut		
AAS Offset origin	X [mm]		0.00		e output		
AAS Offset origin	Y [mm]		0.00	A shirt Collin			
Pressure [g]	1.001		15	Actual Setti	^{ig.}		
Speed [cm/s]			50				
Material width [mm	1]		208.43		Sort Options		
Length [mm]			320.18				
Number of outputs	s in X-direction		1				
Number of outputs	s in Y-direction		1				
Distance between	copies [mm]		10.00				
Step count			1				
				Accuracy	r: Normal		
				Origin	New origin		
				Objects	All objects		
	Job will be	segmented!			Test drive		



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	~	Stack spacing: 0.00	Plot to file		
				Enable tool	l tips	
Output Profile:	Foil	~	Viveed border: 2.00] mm		
			Copies spacing: 0.00	mm Wait after	segment	
	Manage Profiles				Save settings	
Parameter			Value	Sort before	e output	
AAS Offset origin X [mm]			0.00			
AAS Offset origin	Y [mm]		0.00	Actual Settin	a: ∩↑	
Pressure [g]			15		· · U	
Speed [cm/s]			50			
laterial width [mm	1]		208.43		Sort Options	
_ength [mm]			320.18		Sur Options	
Number of outputs	s in X-direction		1			
lumber of outputs	s in Y-direction		1			
istance between	copies [mm]		10.00			
Step count			1			
				Accuracy	Normal	
				coaluoy	Normality and the	
				Origin:	New origin	
				Objects:	All objects	
	Job will	be segmented!			Test drive	



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



Advanced Settings

Segmental Positioning

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

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

Step 1 Press the Settings icon on the GreatCut toolbar.





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	at process only transfer "Regmark" and "Outline" layer 💟
	Create new file while cutting
	Open output dialog while cutting
	OK Carr

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

Type GCC (AAS II) ~		
La descrito de la composición de la compo		•	Segmental Positioning
Align to selection	on		• Max. x Distance: The distance of
O Align to workin	g area		intermediate position on the X axis
Size	25.00 mm		→ Range: 200-500 mm
Object Margin	5.00 mm	Outside corners	• Max. y Distance: The distance of
Line thickness	1.00 mm	Output marks (or by pressing Ctrl)	intermediate position on the Y axis
Max. X distance	600.00 mm		
Max. Y distance	600.00 mm	Target layer 1.	-7 Kange. 200-500 mm



-	0.0
Eurosyste	ns Software: GreatCut 4
	Jog marks: GCC (AAS II)
	Export Path:
Name of layer f	r Jog Marks: Regmark
Name of lay	r for Outline: Outline
	Output Parameters
	Show always contour and outline settings
	During the cut process only transfer "Regmark" and "Outline" layer
	Create new file while cutting

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





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



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

Multi-Copy

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

Setup - Register Marks	5		×	
Type GCC (AAS I	l) ~		٦	
Align to working Size Object Margin Line thiskness Max. X distance Max. Y distance	25.00 mm 5.00 mm 1.00 mm 600.00 mm 600.00 mm	Outside corners Output marks (or by pressing Ctrl Target layer 1. Cancel		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.

æt a : (erac GreatCut 4 - [(untitled - 1) *]					
int Co	<u>F</u> ile	<u>E</u> dit <u>D</u> esign	<u>V</u> iew	<u>T</u> ools		
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X.	5	Open	C	trl+L		
~	۵	<u>S</u> ave	C	trl+S		
: ••	R	Save <u>A</u> s	Shift+C	trl+S		
R	19	Send by E <u>m</u> ail.				
ŝ	4	Import	C	Ctrl+I		
	4	E <u>x</u> port	C	trl+E		
X	4	<u>P</u> rint	C	trl+P		
T	7=7	Ou <u>t</u> put		S		
	Į.	<u>Q</u> uit	Ci	trl+Q		

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

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

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

N,	₫		9	A	n D	a ²	5	5	10
é .	A U	ntitle	Multi	-Cop	by 📔				
	Tr	350	a.	300 		250	 200	An	150



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

Ni-shari- V	2	141	
Number in X	2	-	
Number in Y	2	-	
Distance in X	0.00	😫 m	m
Distance in Y	0	÷ m	m
	Distance to object	~	
	ОК	Cance	4

- 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.

	CorelDR4	W X8 (6	4-Bit) - Un	titled
<u>F</u> ile	<u>E</u> dit	<u>∨</u> iew	<u>L</u> ayout	Ob
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[]=	Docume	nt Prope	erties	
U	E <u>x</u> it		Alt+F	4

Step 11 Go to GreatCut window, press Output button.

Itput to device GC	C i-Craft		-	? <mark>×</mark>
Output	ر. رو			
Device:	GCC i-Craft 🗸	Number of outputs:	1	Output only tool-assigned layers
		Number of copies:	1	Keep reference point
Mode:	Cut with AAS 👻	Stack spacing:	5.00 m	Plot to file
			5.00 11	Enable tool tips
Output Profile:	Foil 👻	Weed border:	2.00 m	m Disable sending of technology data
		Copies spacing:	2.00 m	m 🔲 Wait after segment
	Manage Profiles	Segment spacing:	0.00 m	m Save settings
Parameter		Value		Cart hafara autaut
AAS Offset origin	X [mm]	0.00		Sort before output
AAS Offset origin	Y [mm]	0.00		Actual Setting:
Pressure [g]		80		
Speed [cm/s]		21		Search for best Sort Method
Material width [mm]	208.43		
Length [mm]		320.18		Sort Options
Number of outputs	in X-direction	2		
Number of outputs	in Y-direction	2		
Distance between	copies [mm]	0.00		
Step count		1		
				Accuracy: Normal
				Origin: New origin
				Objects: Selected objects -
	Job will be segmented!			Test drive
	iew Output	Dead m	-t-rist	Cancel



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 confirm.

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

Contour line is now added to the object.





Tips: Vector object to create round outline

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



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

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

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







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

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



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

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

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

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



i File	e Edit Object Type	Select Effect View	Window He	elp Br	<u>51</u>	4					
Mixed	New New from Template	Ctrl+N Shift+Ctrl+N	(9)	Bas	ic	100%	> Style: 🔷 🗸	۲	II~	⊨ ≠	-
	Open	Ctrl+O	(/GPU Preview)	×							
	Open Recent Files	>									
*/.	Browse in Bridge	Alt+Ctrl+O									
5	Close	Ctrl+W									
т	Save	Ctrl+S									
- 1	Save As	Shift+Ctrl+S									
~	Save a Copy	Alt+Ctrl+S		~	0				-7		
	Save as Template			3	600	2					
2	Save Selected Slices										
80,	Revert	F12			N. S.	<					
27. 23	Search Adobe Stock Place	Shift+Ctrl+P			Sno)	57	2			
, 0	Export Export Selection	>					LE M	ANS			
٦	GreatCut 4	>	Cut				4		Ĭ		
₩.	Package Scripts	Alt+Shift+Ctrl+P	Direct cutti Contour	ng		7	DE	A	3		
?,	Document Setup	Alt+Ctrl+P	Multi-Copy Set Jog Ma	/ rks			DROIT A	UBUT			
	File Info	Alt+Shift+Ctrl+I	Outline Welding			Z	XU	V			
9 9	Print	Ctrl+P	Create Out	line-Layer	150		4		2		
đ	Exit	Ctrl+Q	Export Settings								
			secongs								

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.

And Address of the Owner of the	<u>E</u> dit <u>D</u> esign	<u>V</u> iew <u>T</u> ools	Settings	<u>W</u> indow	<u>H</u> elp			
	<u>N</u> ew	Ctrl+N	n 🤟	1 2 2	3	61 ?)
v. []	<u>O</u> pen	Ctrl+L	-			D Dalati	ive	
2 🖬	<u>S</u> ave	Ctrl+S					Assion	
: IK	Save <u>A</u> s	Shift+Ctrl+S	0		100	2	00	1
RE	Send by E <u>m</u> ail.	* 0	<u></u>		duur	LILL		51
F / -	<u>I</u> mport	Ctrl+I						_
	E <u>x</u> port	Ctrl+E						
14	Print	Ctrl+P						
	Ou <u>t</u> put	S						
T	<u>Q</u> uit	Ctrl+Q						
E.								
						~		

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

lutput							
Device: Mode: Output Profile:	GCC Jaguar V LX 61 Cut with AAS Foil Manage Profiles	~	Number of outputs: Number of copies: Stack spacing: Weed border: Copies spacing:	1 0.00 mm 2.00 mm 0.00 mm	Output only Keep refere Plot to file Enable tool Wait after s	tool-assigned layers ence point tips segment	
						Save settings	și.
Parameter AAS Offset origin	X [mm]		Value 0.00		Sort before	output	
AAS Offset origin	Y [mm]		0.00		Actual Setting	» N †	
Pressure [g]			15	15		<u>+</u> U	
Speed [cm/s]			50				
Material width [mm	n]		208.43			Sort Options	
Length [mm]			320.18	1	concoptions		
Number of outputs	s in X-direction		1				
Number of outputs	s in Y-direction		1				
Distance between	copies [mm]		10.00				
Step count			1				
					Accuracy:	Normal	
					Origin:	New origin	
					Objects:	All objects	
	Job wil	l be segmented!				Test drive	
Prev	riew	Output	Read ma	aterial		Cancel	



GCC

Output				
Device: Mode:	GCC Jaguar V LX 61 V Cut with AAS V	Number of outputs: 1 Number of copies: 1 Stack spacing: 0.00	Output only Cutput only Keep refer mm	v tool-assigned layers ence point
Output Profile:	Foil	Weed border: 2.00 Copies spacing: 0.00	mm Uait after :	tips segment
	Manage Profiles		Save settings	
Parameter		Value	Sort before	e output
AAS Offset origin	X [mm]	0.00		
AAS Offset origin	Y [mm]	0.00	Actual Settin	. N †
Pressure [g]		15		· IU
Speed [cm/s]		50		
Material width [mn	1]	208.43		0.401
Length [mm]		320.18		Sort Options
Number of outputs	s in X-direction	1		
Number of outputs	s in Y-direction	1		
Distance between	copies [mm]	10.00		
Step count		1		
			Accuracy	Normal
			Origin:	New origin
			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.

utput						
Device:	GCC Jaguar V LX 61 \sim	Number of outputs:	1	Output only tool-assigned layers		
		Number of copies:	1	Keep refer	ence point	
Mode:	Cut with AAS \checkmark	Stack spacing:	0.00 mm	Plot to file		
		Weed horder:	2.00 mm	Enable tool	tips	
Output Profile:	Foil ~		2.00 mm	-		
		Copies spacing: 0.00 mm		Wait after s	segment	
	Manage Profiles				Save settings	i.
Parameter	1	Value				
AS Offset origin	X [mm]	0.00		Sort before output		
AS Offset origin	Y [mm]	0.00		Actual Setting:		
Pressure [g]	177 - 2014 -	15		Actual Setting	" <mark>!U</mark>	
peed [cm/s]		50				
laterial width [mm	1	208.43			2002	
.ength [mm]		320.18			Sort Options	
lumber of outputs	in X-direction	1				
lumber of outputs	in Y-direction	1				
)istance between	copies [mm]	10.00				
tep count		1				
					Manual	
				Accuracy:	Normai	_
				Origin:	New origin	
				Objects:	All objects	_
	Job will be segmented!				Test drive	
				40		
Prev	iew Output	Read mate	erial		Cancel	



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



Advanced Settings

Segmental Positioning

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

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



Step 1 Click Settings on GreatCut under File.

Ai	File Edit Object Type	Select Effect '	View	Window	Help	Br	St
Mixed	New	Ctrl+	N			в	asic 🗸
44	New from Template	Shift+Ctrl+	N			0	
	Open	Ctrl+	o q	GPU Previe	ew) ×		
$[\]$	Open Recent Files		>				
7.	Browse in Bridge	Alt+Ctrl+	D				
	Close	Ctrl+\	v				
T	Save	Ctrl+	s				
	Save As	Shift+Ctrl+	s				
d	Save a Copy	Alt+Ctrl+	s				
	Save as Template			6	503>	6	205
2	Save Selected Slices				Gor	C	X
Ser.	Revert	F1	2		7.		1
,	Search Adobe Stock						-
E	Place	Shift+Ctrl+	P	X		(
0.	Export		>				0
	Export Selection		ľ	h		2	
-In	GreatCut 4		>	Cut			
J.	Package	Alt+Shift+Ctrl+	P	Direct	cutting		
	Scripts		>	Conto	ur		1
?,	Desument Cature	Alta Carla	D	Multi-	Сору		
	Document Setup	Ait+Ctrl+		Set Jog	Marks		
	Cile lefe	Alta Chitta Chal		Outlin	e		
	File Into	Alt+Shift+Ctrl+	-1	Weldin	ig		
4 9	Print	Ctrl+	Р	Create	Outline-L	.ayer	
	Exit	Ctrl+I	2	Export			
2			_	Setting	js		



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 selectio Align to working 	n 1 area		Segmental Positioning
Size Object Margin Line thickness	25.00 mm 5.00 mm 1.00 mm	Outside corners	 Max. x Distance: The distance of intermediate position on the X axis → Range: 200-500 mm
Max. X distance Max. Y distance	600.00 mm 600.00 mm	Target layer 1. Cancel	 Max. y Distance: The distance of intermediate position on the Y axis → 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.

Setup - Register Marks			×	
Type GCC (AAS II) Align to selectio Align to working Size Object Margin Line thickness Max. X distance Max. Y distance	n area 25.00 mm 5.00 mm 600.00 mm 600.00 mm	Outside corners Output marks (or by pressing Ctrl) Target layer Cancel]] ~	When you apply the "Multiple Copies" function, the value that has been set in this section will still be applied.

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) *]				
int Co	<u>F</u> ile	<u>E</u> dit <u>D</u> esign	<u>V</u> iew	<u>T</u> ools
	2	<u>N</u> ew	Ct	trl+N
x	D	<u>O</u> pen	C	trl+L
~	۵	<u>S</u> ave	C	trl+S
: ••	R	Save <u>A</u> s	Shift+C	trl+S
R	3	Send by E <u>m</u> ail		
ŝ,	4	Import	C	Ctrl+I
	÷.	E <u>x</u> port	C	trl+E
X	۲)	<u>P</u> rint	C	trl+P
T	7=7	Ou <u>t</u> put		S
<u> </u>	Ş.	<u>Q</u> uit	Ct	trl+Q

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

Output to device GC	C i-Craft		_			? ×
Output						
Device:	GCC i-Craft	Nu	mber of outputs:	1		Output only tool-assigned layers
		M	mbor of oppion:	1		Keep reference point
Mode:	Cut with AAS 👻		tack approing:	5.00		Plot to file
		>	tack spacing.	5.00	mm	Enable tool tips
Output Profile:	Foil 💌	N I	/eed border:	2.00	mm	Disable sending of technology data
			Copies spacing:	2.00	mm	Wait after segment
	Manage Profiles	S	egment spacing:	0.00	mm	Save settings
Parameter			Value			Sort before output
AAS Offset origin	X [mm]		0.00			
AAS Offset origin	Y [mm]		0.00			Actual Setting:
Pressure [g]			80			Search for best Sort Method
Speed [cm/s]			21		_	Search for best Soft method
Material Width [mn	Ŋ		200.43			Sort Options
Number of outputs	in X direction		320.18			
Number of outputs	s in Y-direction		2			
Distance between	copies [mm]		0.00			
Step count			1			
						Accuracy: Normal
						Origin: New origin 🗸
						Objects: Selected objects
	Job will be segmented!					Test drive
Prev	iew Output		Read ma	aterial		Cancel





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

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

Number in X	2	÷
Number in Y	2	*
Distance in X	0.00	🛨 mm
Distance in Y	0	🖨 mm
	Distance to object	\sim

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.



File	Edit O)bject	Туре	Select	Effect	View	۷	
	New					Ctrl+N		
	New from	Templ	ate		Shift+	Ctrl+N		
	Open			Ctrl+O				
	Open Rec	ent File	s			+		
	Browse in Bridge				Alt+	Ctrl+0		
	Close				(Ctrl+W		
	Save					Ctrl+S		
	Save As				Shift+	Ctrl+S		
	Save a Co	ру			Alt+	Ctrl+S		
	Save as Te	emplate						
	Save for Web			Alt+Shift+Ctrl+S				
	Save Selec	ted Slic	es					
	Revert					F12		
	Place							
	Save for N	licrosof	ft Office					
	Export							
	GreatCut 4	4				+		
	Scripts					÷		
	Documen	t Setup			Alt+	Ctrl+P		
	Documen	t Color	Mode			+		
	File Info			4	Alt+Shift	+Ctrl+I		
	Print					Ctrl+P		
	Exit					Ctrl+Q		

Step 11 Go to GreatCut window, press Output button.

Puma IV User Manual

lutout				
Device:	GCC i-Craft 🔹	Number of outputs:	1	Output only tool-assigned layers
		Number of copies:	1	Keep reference point
Mode:	Cut with AAS 🔹	Stack spacing:	5.00 mm	Plot to file
		Stack spacing.	5.00 mm	Enable tool tips
Output Profile:	Foil 👻	Weed border:	2.00 mm	Disable sending of technology data
		Copies spacing:	2.00 mm	Wait after segment
	Manage Profiles	Segment spacing:	0.00 mm	Save settings
Parameter		Value		
	X Imml	0.00		Sort before output
AAS Offset origin	Y [mm]	0.00		
Pressure (a)	, fund	80		Actual Setting:
Speed [cm/s]		21		Search for best Sort Method
Material width [mm	0	208.43		
Length [mm]	-	320.18		Sort Options
Number of outputs	in X-direction	2		
Number of outputs	in Y-direction	2		
Distance between	copies [mm]	0.00		
Step count		1		
				Accuracy: Normal
				Origin: New origin
				Objects: Selected objects
	Job will be segmented!			Test drive

GCC





SignPal 12 Instruction

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

SignPal 12 Instruction Index:

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

[1] Installing the SignPal 12 software

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

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

GCC			
LLUB	Welcome : GCC		
🕙 Tech Support			
🕲 Drivers	Drivers		
🕘 User Manual	Below you will find	d drivers for GCC cutting plotters	and ID card printers. Simply choose from
🛃 Clipart Download	the selections below systems or other pr	i and press the "Download" butt oducts, please contact your local	on. As to laser engraving/cutting/marking distributors for further assistance.
Product Video	Stop 1	Step 2	Stop 3
🕒 Showcase	Step 1		Step 3
Product Registration	Cutter	▼ Others ▼	· ¥
🛞 GCC Bonus Credit (North America)	Please note For some of the dri To ensure the corre for support before y	ver(s) version might cause probl ect version on your system, plea you update your system.	GreatCut 3 v16.0.10 SignPal 10.5.1 em(s) on you SignPal 12 vice v2.03-01 se contact your local supplier
		,	Download

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



GCC

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.

A	Activation Code			
Please enter the activa Activation Code	Please enter the activation code that accompanied your software purchase.			
	Activate			

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.



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



Step 2. Add Software to your SAi Cloud Account





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





5. Paste your code into activation code field.



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

- Not for re	sale	
Product:	PhotoPRINT SERVER-PRO Cloud	
Language:	English	
🔽 Install to	o desktop	
Clear Application's previous preferences		
Install to startup items		
	Cancel OK	



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

Choose Setup Language	
Select the language for the installation from the choices below.	
Chinese (Simplified) Chinese (Traditional) Dutch	
English	
SAi Production Suite Cloud	SAi Production Suite Cloud
Welcome to the InstallShield Wizard for SAi Production Suite Cloud	PRODUCTION SUITE
The InstallShield? Wizard will install SAi Production Suite Cloud on your computer. To continue, click Next.	SAi Production Suite Cloud is configuring your new software installation. SAi Production Suite - InstallShield Wizard
	If the USB dongle is connected to the computer, please remove it now, so that the dongle driver can be installed
	ОК
	Install Gridd
< Back Next> Cancel	Cancel
SAi Production Suite Cloud	SAi Production Suite Cloud
	Setup Status
Please read the following license agreement carefully.	(SAI) PRODUCTION
Please read the following license agreement carefully.	SAi Production Suite Cloud is configuring your new software installation.
Please read the following license agreement carefully.	SAI Production Suite Cloud is configuring your new software installation.
Please read the following license agreement carefully SRI SUITE Software License Agreement IMPORTANT(READ CAREFULLY: This Agreement (as defined below) is a legal contract between You (as defined below) and SA International Inc. for the Flexi and PhotoPhINT Software (as defined below) set forth the terms and conditions for licensing of the Software from SA Idenined below) set forth the terms and conditions of licensing of the Software from SA Idenined below) set forth the terms and conditions of licensing of the Software from SA Idenined below) set forth the terms and conditions of licensing of the Software from SA Idenined below is the software from SA Idenine and Idenine Advection A	SAI Production Suite Cloud is configuring your new software installation.
Please read the following license agreement carefully SRI SRI SUITE Software License Agreement IMPORTANTIREAD CAREFULLY: This Agreement (as defined below) is a legal contract between You (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software (as defined below) and SA International Inc. for the Flexi and PhotoPRINT Software This Agreement Applies to any (II) angle-user license; (in publicuser license; and (iii) original equipment marufacturer (DEM) of Special Edition (SE) versions of the Software and once housed or customered versions uper entered of	SAI Production Suite Cloud is configuring your new software installation.
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Please read the following locence agreement cateful (CAR) PRODUCTION SUITE Software License Agreement IMPORTANTIREAD CAREFULLY: This Agreement (as defined below) is a legal contract between You (as defined below) and SA International inc. for the Flexi and PhotoPFINIT's oftware (as defined below) and SA International inc. for the Flexi and PhotoPFINIT's oftware (as defined below) and SA International inc. for the Flexi and PhotoPFINIT's oftware (as defined below) and SA International inc. for the Flexi and using the Software. This Agreement Agrice to any (II) angle user locense; (II) multi-user locense; and (III) original equipment marufacturer (IDEM) of Special Edition (SE) versions of the Software and one bended or customed versions unless otherwise agreed BY OPENING THE SPECTWARE FROM AN AUTHORIZED ON-LINE SITE; OR DOW/NLOADING THE SOFTWARE FROM AN AUTHORIZED ON-LINE SITE SAI Production Suite Cloud DOW/NLOADING THE SOFTWARE FROM AN AUTHORIZED ON-LINE Setup will install SAI Production Suite Cloud in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	SAI Production Suite Cloud is configuring your new software installation. Installing D:\\SAI\SAI Production Suite Cloud\Program\AGreyDev.dl InstallShield Cancel Select Features Select the features setup will install Select the features you want to install, and deselect the features you do not want to install. Select the features you want to install, and deselect the features you do not want to install. Select the features you want to install, and deselect the features you do not want to install. Select the features you want to install, and deselect the features you do not want to install. Select the features you want to install. Select the f
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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.**



3. 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.

Activation Code			
Please enter the activation code that accompanied your software purchase. Activation Code 5H4LALIJCZHTTW37YZDU			
	Activate		



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.

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

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

Step 2. Add Software to your SAi Cloud Account





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

Step 1 - Download	
Clicking on the download button below will download	a small application. Run the application to do
Download Now	
Step 2 - Install	
Once the download is complete, run the installer. The application.	ne final step in the install process will run a "Lic
Step 3 - License	
The "License Manager" application will ask for an ac	ctivation code. Use the activation code below to
QTP5NDB8FXYUXGXHLTA6	
"License Manager" can't connect?	
Ļ	
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



- 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	<u>(</u>
Software ID:	0077325
License Type:	TRIAL
Expire Date:	20-04-2014
Licensed On:	This Computer
Computer ID:	5E19DA26B331
Check For Licen	se Updates
Import A License	e File
Remove License	From This Computer
	< Back Finish Close
License	(<u>s</u>)
The license was successfully re	emoved from this computer.
Software ID:	0077325
Removal Code:	NESK/RRC3R
License this com	nuter again
Thense this com	puter again
	< Back Finish Close



(4)Transfer license on an offline computer

1. Open License Manager from Start menu.

퉬 SAi Production Suite Cloud
🌡 Install Manager
🧮 Job Monitor
License Manager
PhotoPRINT EDITOR-PRO Cloud
💘 PhotoPRINT SERVER-PRO Cloud
🔁 Preference Manager

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

0	×	•
License	<u>(</u>	License
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		 License this computer again
➔ Remove License From This Computer		
< Back Finish	Close	< Back Finish Close

3. Launch your browser on another online computer, access

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





	(intersection) Cloud	
Current Install		
Computer ID: 5E19DA26B331	Software Domoved?	
Computer Name: jeff-pc	Soltware 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.	
Download License	GMYKCTIG45	
License Removed?	Remove	
Download Now	Go Back	

[2] Set up your GCC Cutter on Production Manager

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

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

Add Setup		
Choose a d	levice	
What is t	he brand name of your vinyl cutter?	
	GCC	•
What is t	he model name of your GCC?	
	AR24	•
	GRC-23	
	Jaguar III-101 Jaguar III-132 Jaguar III-183 Jaguar III-61 Jaguar III-76 Jaguar IV-101 Jaguar IV-183 Jaguar IV-183 Jaguar IV-76 Jaguar JII-101S Jaguar JII-101S Jaguar JII-101S Jaguar JII-101 Jaguar JII-101 Jaguar JII-101 Jaguar JII-101	
	Jaguar JII-765 Jaguar JR-1015 Jaguar JR-1325 Jaguar JR-61 Jaguar V-101 Jaguar V-101 Jaguar V-101 Jaguar V-132 Jaguar V-132 Jaguar V-183	Cancel





Add Setup What do you want to call your new setup? Jaguar V-61 LX How is your Jaguar V-61 LX connected to you GCC USB 000	ur computer?	
Production Manager File Edit Setup View Help Image: Send Abort Image: Send Abort </th <th>Back Finish Cancel</th> <th>SR Cloud Tools</th>	Back Finish Cancel	SR Cloud Tools
		Files Flexiquote Reports
RAM Free: 790.6 MB VM Free: 3.57 GE RAM Total: 4.00 GB VM Total: 4.00 GB	< III C: Free: 217.7 GB C: Total: 302.2 GB D: Free: 379.4 (D: Total: 396.3 (D: To	More © 2012-2016 SA International, Inc.


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

-	Sign	Pal Expert - [Untitled 1]			12					x
E	Fil	e Edit View Arrange Text Effects Bitmap Wi	ndow Help						-	. 8 ×
		New Ctrl+N	0200	- 🖻 🖶 🚳) 🔍 🋐 👩					
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		Close Ctrl+F4	<u></u>	<u></u>	<u> </u>		(SAI) CI			ĥ
r	n in	Find File								
5		Save Ctrl+S					Tool	5		
Ĺ		Save As Ctrl+Shift+S							_	- II
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	9	Print Ctrl+P					Printer Profiles	Support	License	
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		Workspace	•			•	Tube			
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		Help Network		OK		Cancel				



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







[3] SignPal AASII Quick Start

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



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





- х SignPal Expert - [Untitled 1] File Edit View Arrange Text Effects Bitmap Window Help _ 8 × - # 🛛 🕆 🕻 🖨 Combine Þ 듕 CA CL 問 🖺 🤣 🔍 🚰 ۵ ک Outline... Contour Cut... Đ, R Contour Cut Mark... Ð LL, Shadow... S à Clear Contour Cut DesignCentral - 8 Separate Contour Cut Q 1+ O 🔲 **K** R Contour • Ξ -Z 0 - 0.500in + ↔ 2.000in - A-1 \$ 2.000in -Ð որիս Proportional With holes ▋ᢦ╔╳ᢦ Ш $\mathbf{\mathbf{W}} \bullet \mathbf{\mathbf{N}} = \mathbf{\mathbf{W}}$ • • • • • Creates cut marks around contour cut objects License expires in 14 days.
- 3. Apply the contour cut mark of GCC AASII by selecting Effect > Contour Cut Mark.

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





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

DesignCentral 📃 🚺	×
[其]	,
GCC Segmer -	
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One set for all Options	

- 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	nPa		and filling and the	and the second s		• X
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	ÌØ		Close	Ctrl+F4	? @ ?!_ 🔚 🏪 📀 🔍 🏪 🧆	ے < ۱
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	e	۲ġ	Export			
*	¢		Acquire Image	•		
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5	C	7	Cut/Plot	Ctrl+L	P)	
	6:	÷.	Cut Contour			
			Print Setup	Ctrl+Shift+P		
ante.	2	÷	Print	Ctrl+P		
		4	Archive to Cloud			
			Workspace	۲		





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

int			
Printer		Preview	
Name: \\gpprinter2\4F 行銷 共	用 FX Doct - Properties		
Status: Beady			
Type: Microsoft enhanced Point a	and Print compatibility driver		
PostScript data: C Binary 📀	ASCII		
Number of copies: 1	Selection only		
123 123 V Collate			
Scale			
C Fit drawing to paper			
Fit border to paper	E Contour out patho		
© Scale:			
12in = 1ft (100%)			
- Tiling	Select Template		
Print tiled pages	Position		
Overlap: 0.000in	Center		
Advanced	Offset X: 0.000in		
Use device margins	Offset Y: 0.000in 🛫		
✓ Ignore overprint			
☐ Ignore bitmap transparency			OK 🞽 Cancel

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



1]	
ange Text Effects Bitmap Window Help	
1 🖶 🕹 🕈 🕈 🗗 🖵 🛛 🗤 🗤 🗤	
· <u>ľí.</u>	
	Select a Production Manager On this computer (Local) On another computer (Network) On the internet address:
P3.	
Jaguar V-61 LX@GCC USB 000 ▼ Job Status Properties ♥ ● ● ● ♥ ♥ ● ● ♥ ♥ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● <th>,24 ,22 ,20 ,18 ,16 ,14 ,12 ,10 ,8 ,6 ,4 ,2 ,0 8 </th>	,24 ,22 ,20 ,18 ,16 ,14 ,12 ,10 ,8 ,6 ,4 ,2 ,0 8
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Size ↔ 2.908in → 1 100.000% → ↓ 2.334in → Fit to media Copies 1 → 0.000in → Repeat Job Send job 1 → times 	2 -4 -6 -8 -10 -12 -14 -16 -18 -20 -22
All colors	



[4] SignPal 12 Features List

	Expert	Apprentice
Text		
Text Tool	•	•
Arc Text	•	
Path Text	•	
Vertical Text	•	•
Vertical Path Text	•	
Kerning	•	
Break Apart/ Join	•	•
Drawing		
Bezier	•	•
Freehand Drawing	•	•
Shapes		
Rectangle	•	•
Oval	•	•
Registration Mark Tool	•	•
Measure Tool	٠	•
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	•	•
Mirror	•	•
Step and Repeat	•	

Effects

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

Bitmap

Autotrace Color Mode

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



Sure Cuts A Lot

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

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

Step 1 Run Sure Cuts A Lot software.



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

🐣 Sure Cuts A Lot 4: Untitled		10,0110.0	REC House and
File Edit Object Path Layer Page Effects Text View Cu	tter Window Help		
	Mat Size Mat Orientation	+ +	
ren opta Jare Cat Copy rase Cato read r	Preview	Ctrl+Shift+P	
Handles: Basic	Cut with GCC i-Craft Cutter Settings		
Page 1 3 4 5 6 7 8	My Cutter	•	Manage Cutters
	Tablet Connection		✓ GCC i-Craft





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

E Manage My Cutters Cutters you currently have added are listed b to add another Brand/Model.	pelow. To add another Cu	itter, dick the Add button	Cutters you currently have added are list to add another Brand/Model.	ed below. To add another Cu Add a Cutter	itter, dick the Add buttor
Cutter	Add a Cutter		GCC i-Craft	Company/Brand:	GCC 👻
GCC i-Craft	Company/Brand: Model:	GCC i-Craft ▼ <unspecified> GCC GCC i-Craft</unspecified>	Remove All	Model:	AR24 AR24 Bengal Expert 24 Expert 52 Expert 52 Expert 52 Expert 124 Expert 11 24 Expert 11 25 Expert 11 52 Expert 11 52 Expert 11 52 Expert 11 52 Expert 12
Remove All		Done		Library	Jaguar III Jaguar IV Puma III Puma III DX RX

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

൙ Manage My Cutters	X
Cutters you currently have added are listed to add another Brand/Model.	below. To add another Cutter, dick the Add button
Cutter	Add a Cutter
GCC i-Craft	Company/Brand: GCC
GCC	Model: Jaguar IV 💌
	< Add to list
Remove Remove All	Done

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

DOCUMENT						
Mat Size:	12" x 12"					
Orientation	: Vertical (Portrait)					
Units:	Inches 🔹					
Show Gr	id					
Grid Line	es: 6.00 in					
Subdivisio	n: 6					
Workspace Alpha:						
Show Ou	utines Only					



2. Insert Graphics from Library

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

*	Sure Cuts A	Lot 4: Untit	ed											
File	e Edit O	bject Path	Layer	Page Effe	cts Text V	iew Cutter	Window H	elp						
	Verv Open	Save		TY Paste	Undo Redo	Import T	irace Library	State Previe	T Comer					
н	andles: Basi	ic 🔻)											
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	9	25.77, 9	93	Ready					Ubrary) († [* © * 00(2

3. Draw Text

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

A Sure Cuts A Lot 4: Untitled	
File Edit Object Path Layer Page Effects Text View Cutter Window Help	
New Open Save Car Cap Fase Undo Rodo Input Tesce Likey Save Preview Cone	
	TEXT
	ont: Lucida Calligraphy abc - 😢
	BZC Alignment: EE
	11 Size: 1.00 in 🚖
Contraction of the second seco	AV Tracking: 100.00 % ♀
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	Rotate: Rotate V
	0.00
	LAYERS
	GCC □ GCC □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
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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.



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.

🔗 Sure Cuts A Lot 4: Untit	led	
File Edit Object Path	Layer Page Eff	ects Text View Cutter Window Help
New Project	Ctrl+N	
Open Project	Ctrl+O	Undo Redo Import Trace, Library Store
Save Project	Ctrl+S	
Save Project As	Ctrl+Shift+S	
Import	Ctrl+Shift+I	
Export	Ctrl+Shift+E	6 7 8 9 10 11 12
Trace Image	Ctrl+Shift+T	<u></u>
Place Image		
Scan2Cut		
FCM Batch Convert		
Send to	+	

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.

🦰 Trace Image				
Input Choose an image Cat_girl_kids_cartoon.jpg (1779 x 1118)	Output Show Nodes Nodes: 1885 Show Source Image:			
Image Settings Mode: Monochrome Contrast (0-100): 194				
Dutput Settings Smooth (0-100): 80 - Detail (0-100): 98 - Single Line Threshold: 0 - Break Apart Outlines Blackout Add Image Layer (Print+Cut)	Update Preview The preview is currently showing what will be traced. Click the Update Preview button to see trace result.			
Restore Settings Save as SVG	Cancel OK			
 Note The contrast and pixels of import images will affect the trace image result. High contract graphics are recommended. 				



6. Cut the Design

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



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

GCC Model: Jaguar IV Connection: USB Port: <a href="https://www.sciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationsciencescommunicationscicesciencesciencesci</th> <th>0 1 2 3 4 5 Settings 0 1 2 3 4 5</th>	0 1 2 3 4 5 Settings 0 1 2 3 4 5
Cut Settings Cut Mode: WYSIWYG Use Software Speed and Pressure Mirror End Action: Rewind to origin	1 Mirror V
Note	

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



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



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

if needed.

Cut Settings	
General GCC Model: Jaguar IV Settings Connection: USB Port: <auto detect=""> Vot: Cat Settings Cut Settings Cut Mode: WYSIWYG V Use Software Speed and Pressure Mirror H End Action: Rewind to origin Preset: Copy Paper Holder: Regular Blade (0.25 mm) Holder: Blade/Pen Prompt</auto>	Q Q Q 0 1 2 3 4 5 6 7 8 9 10 11 12 1- 2- 3 4 5 6 7 8 9 10 11 12 4 5 6 7 8 9 10 11 12 6 10- 11 12 9 10 11 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 12 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 </td
Blade Offset: 0.25 Overcut: 0.0 (None) Multi-Cut: Off Quality: Small Letter Speed: -0 15 cm/s	
Pressure: 70 g Print+Cut Save to file Cancel Cut	· · ·

*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	
GCC	
Model: Jaguar IV	
Connection: USB 🔻	
Port: <auto detect=""></auto>	
Cut Settings	
Cut Mode: WYSIWYG 🔻	
☑ Use Software Speed and Pressure Mirror H	
End Action: Rewind to origin	
Holder: Regular Blade (0.25 mm)	
Blade/Pen Prompt 🔹	Preset: < Custom Preset >
Blade Offset: 0.25 Overcut: 0.0 (None)	Holde Cardstock (250b.)
Multi-Cut: Off Quality: Small Letter	Cardstock (350lb.)
Speed:	Flocked heat transfer
Pressure: 70 g	Blade Offse Sign Vinyl 0 (None)
	Soft Magnet (0.2mm) Multi-Cu Printable tatoo paper (0.22mm)
	< Custom Preset >
Print+Cut Save to file Cancel Cut	Speed: 3

*<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	
Cut Settings General GCC Model: Jaguar IV Connection: USB Port: <auto detect=""> Port: <auto detect=""> Cut Settings Cut Mode: WYSIWYG Use Software Speed and Pressure End Action: Rewind to origin Preset: Copy Paper + Holder: Regular Blade (0.25 mm) +</auto></auto>	
Holder: Regular Blade (0.25 mm) Holder: Regular Blade (0.25 mm) Holder: Regular Blade (0.25 Holder: 0.25 Hold	



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

Sure Cuts A Lot 4: Untitled	RATINGAL STREET, Non-Article
File Edit Object Path Layer Page Effects	3 Text View Cutter Window Help
▶ ● ■ ▶ ● ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	
印表機 名稱(V): Microsoft XPS Document Writer 状態: 現結 類型: Microsoft XPS Document Writer 位置: XPSPort 注解: 可印範圍 ④ 全部(A) 頁(5) 從(7): 1 到(7): 1	→ 內容(?)) Hrough pr doing a sady ()強(C): 1 中 the the the the the the the the
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	Blade Offset: 0.25 Overcut: 0.0 (None) Multi-Cut: Off Quality: Small Letter Speed: Pressure: 70 g
	Cancel Print Prev Next

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) Registration Marks This will guide you through the steps needed for doing a Print and Cut Reg Mark 1: Static Reg Mark 2: Static Reg Mark 3: Static 1 fyou have not already print button below to print with your printer. If you have not already print button below to print with your printer. If you have not already print button below in order to print your arkwork with the required Registration Marks. If you have not already print button below in order to print your arkwork with the required Registration Marks. Place the printed paper onto the Cutting Mathene. Speed: Image: Cuttom Preset > Image: Cuttom Pr	 Scan for Registration Marks Position the Carriage so that registration marks the top-left of the design. Citck Scant Cut to start the Auto Scan. We software Force & Speed Preset: < Custom Preset > + Speed: 3 Pressure: 45 Multi-Cut: Off
Cancel Print Prev Next	Cancel Print Prev Scan+Cut



	\checkmark Click on "Test Connection" to exam if set the connection properly.
ſ	Cut Settings
	General GCC Model: Jaguar IV Connection: USB Port: <aluance< td=""> Cut Settings Cut Mode: WYSIWYG V Use Software Speed and Pressure Mirror H Preset: Copy Paper Holder: Regular Blade (0.25 mm) Multi-Cut: Off Quality: Small Letter Speed: 15 cm/s Pressure: 70 g</aluance<>
	Test Connection
	This will attempt to move the rollers or blade a short distance back and forth. If you do not see the rollers or blade move, double check the connection and 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.

Tips Test Connection function can save your materials.

Cancel

OK