

# i-CRAFT

# USER MANUAL

Turn your creativity  
into reality



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# 1. Get Started

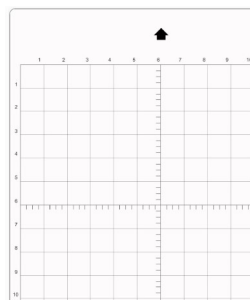
## 1.1 Package Item

Remove your i-Craft™ from the package and place it onto an even and stable worktable.

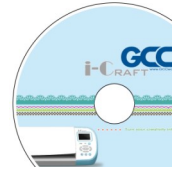
Check if the following items are included in the accessory package, if there are missing parts, please contact your dealer for further assistance.



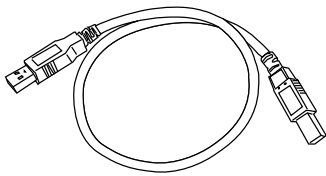
i-Craft™ Cutter (Blade included)x1



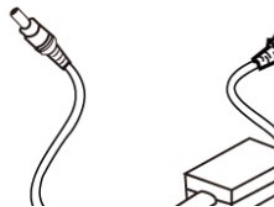
12"x12" adhesive sheet x1



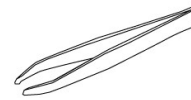
Installation DVD x1



USB cable x1



Power cord x1

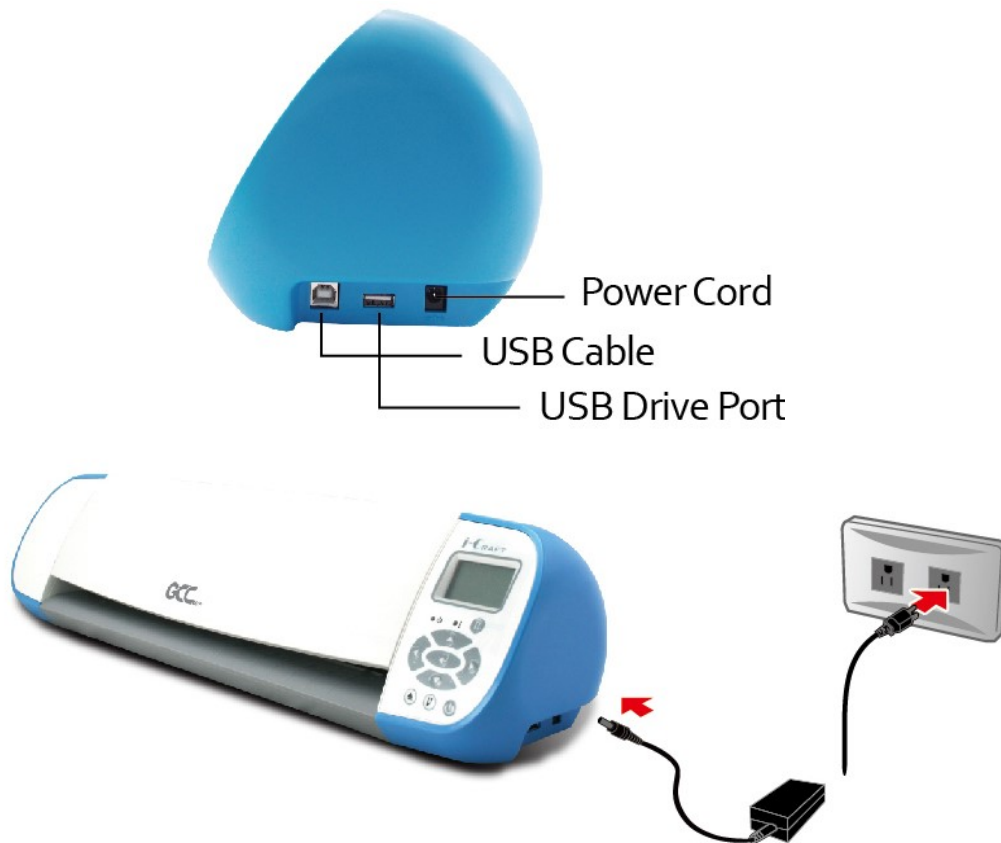


Tweezers x1

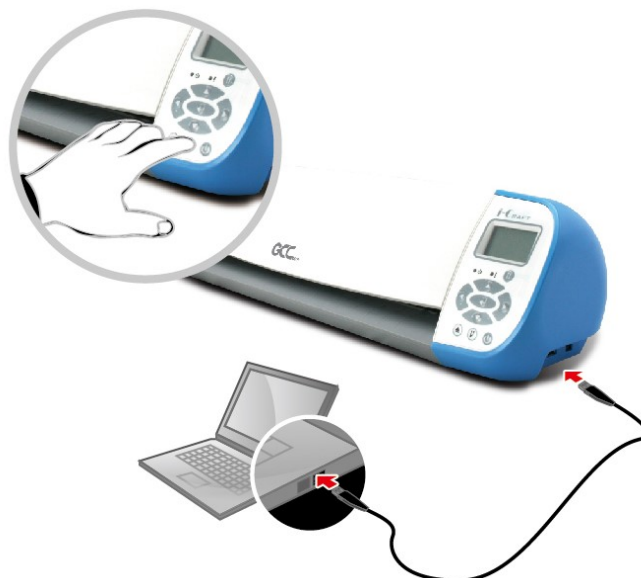
## 2. Installation

### 2.1 Connect i-Craft™

Make sure i-Craft™ is placed on a stable worktable. Connect i-Craft™ to the power adapter and put the plug into the socket on the wall.



Connect i-Craft™ to your computer, and then press the power button to turn i-Craft™ on.

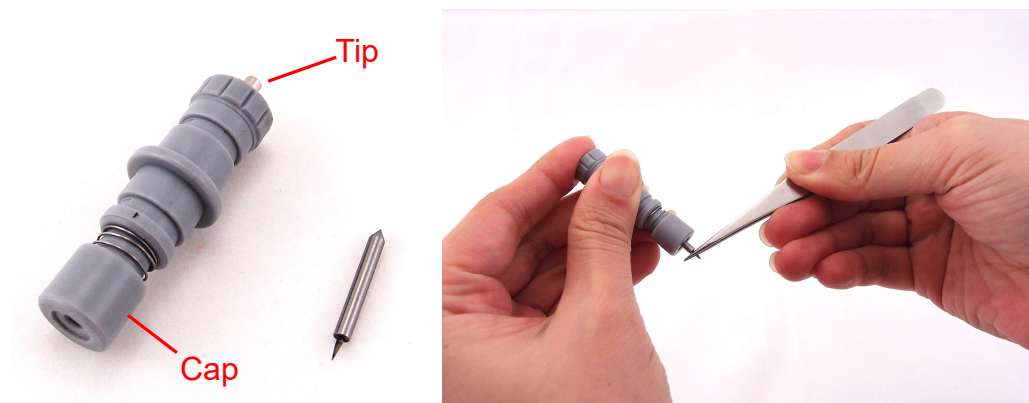


## 2.2 Blade Installation



The blade will lose its sharpness after a period of usage; the cutting quality might be affected. By increasing the cutting force, it might do the trick. However, once the blade is worn out and no longer provides a reliable cutting, you should replace a new one.

### Blade Replacement

Push the pin on the top and push the cap backward to show the blade tip. Then use the tweezers to clip the blade tip and remove it from blade holder. Clip a new blade and insert it into the bottom of the blade holder. Make sure that your fingers are away from the blade tip.

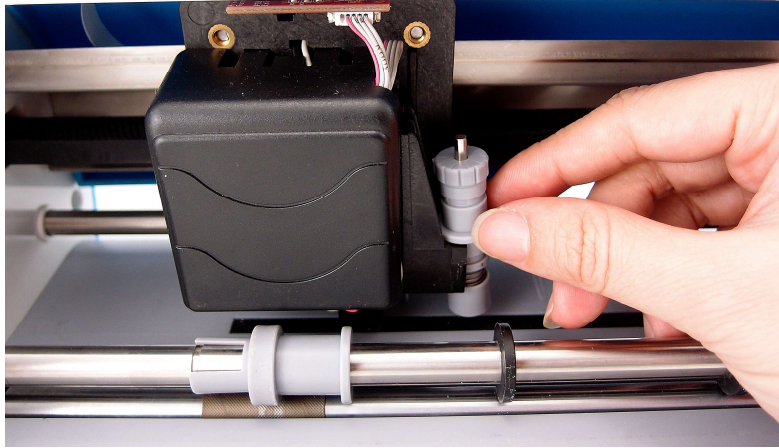


As the blade is featured to be auto-adjusted, users do not need to adjust the length of blade tip manually.

Standard Blade	For cutting thick fluorescent and reflective vinyl. Also for cutting detailed work in standard vinyl.
	The blade is 45° with <b>Red Cap</b> , 0.25 mm offset, and 2.5 mm blade diameter.
	
Advanced Blade (Optional item)	For cutting reflective vinyl, cardboard, sandblast, flock, and stencil sharp edge.
	The blade is 60° with <b>Green Cap</b> , 0.50 mm blade offset, and 2.5 mm blade diameter.
	

### **Blade Holder Installation**

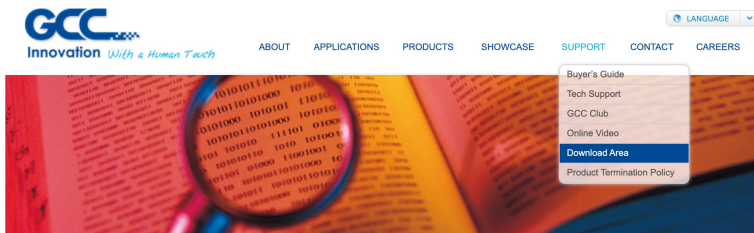
Insert the blade holder into tool carriage. The outward ring of the holder must put into the grooves of carriage firmly, and then fasten the case. Use the reversing steps to remove the blade holder.



## 2.3 Sure Cuts A Lot Software Installation

### 2.3.1 Auto Installation

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








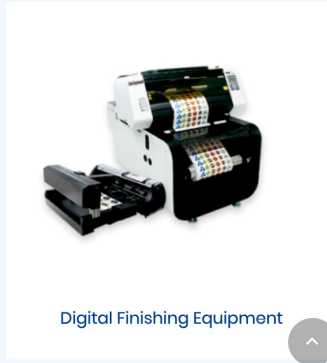
2. You may use search function or directly click the product category to choose the model you want.

Download Area

### Download Area

enter keywords to search SEARCH

Or browse by machine model

 <p>Vinyl Cutter</p>	 <p>Laser Engraver</p>	 <p>Laser Cutter</p>
 <p>Laser Marker</p>	 <p>UV Inkjet Printer</p>	 <p>Digital Finishing Equipment</p>

↑



# Vinyl Cutter

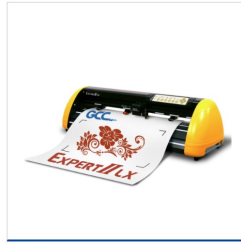
Vinyl Cutter ▾



i-Craft™ 2.0



AR-24



Expert II



Puma IV

**Software** ▾

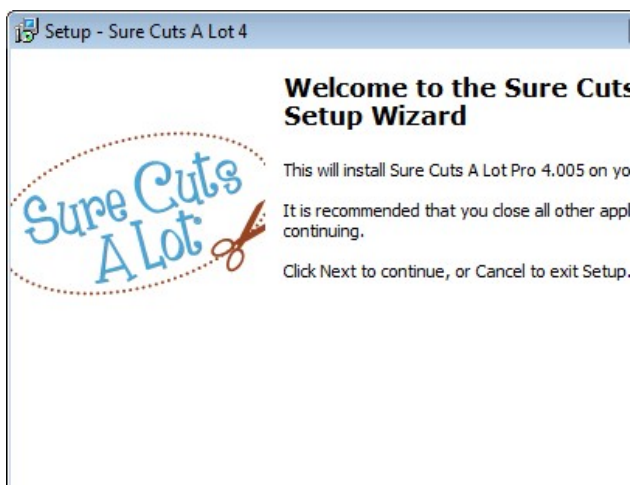
Title	Size	Download
SignPal V19	817 MB	<a href="#">Download</a>
Sure Cuts A Lot 5 for Windows 64 bit (v5_044GCC)	73.6MB	<a href="#">Download</a>
Sure Cuts A Lot 5 for Windows 32 bit (v5_044GCC)	55.7MB	<a href="#">Download</a>
Sure Cuts A Lot 5 for MAC (v5_044GCC)	36.2MB	<a href="#">Download</a>

[Product Brochure](#) ▶

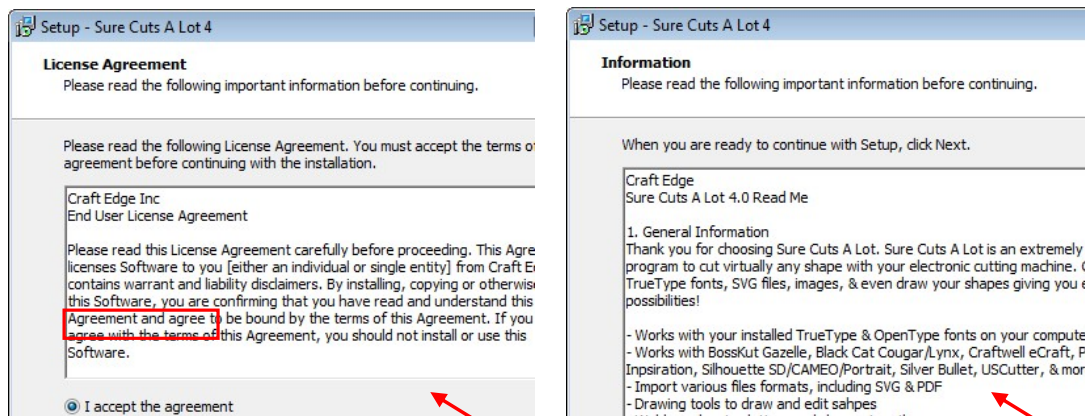
[Driver](#) ▶

3. Download “Sure Cuts A Lot” to start the installation.

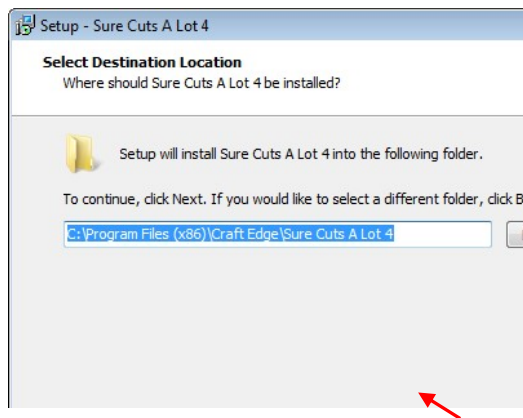
4. Press Next to continue.



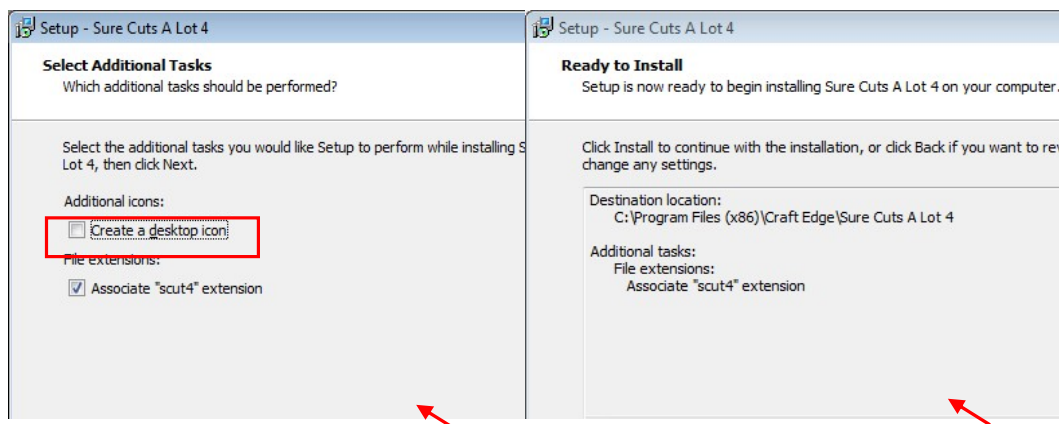
5. Select “I accept the agreement” and press “Next.”



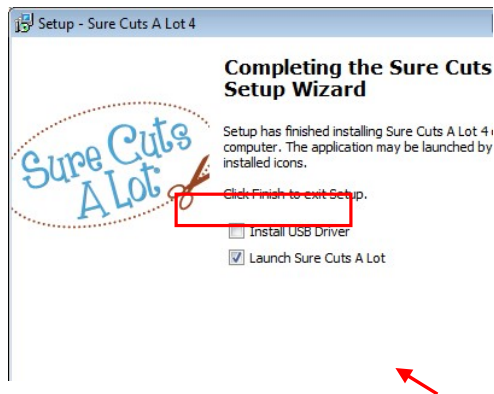
6. Use the default folder (suggested) or select a folder you want to install the Sure Cuts A Lot and press “Next.”



7. 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.



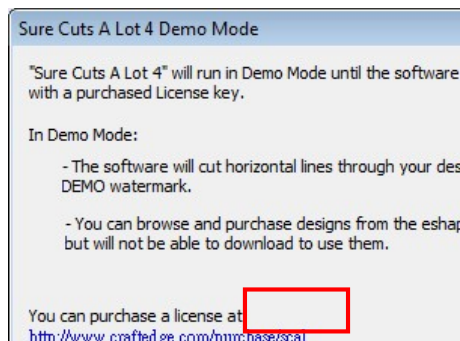
8. **Don't** tick "Install USB Driver". Tick "Launch Sure Cuts A Lot," and then press "Finish" to complete installation.



9. Run Sure Cuts A Lot.



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



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






Please visit GCC website to download software.  
<https://www.gccworld.com/download.php>

**GreatCut**

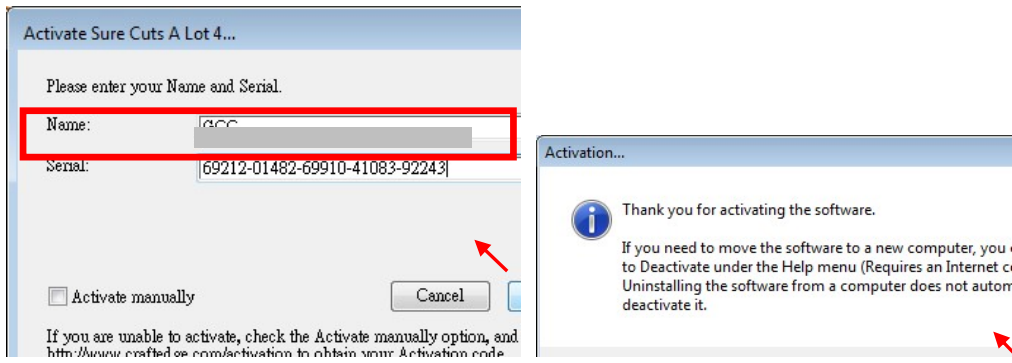
- 1 Register your product with voucher code online within 3 months after receiving your cutting plotter to avoid voucher code expiring.  
<http://gccvoucher.eurosystems.lu/>
- 2 Get your activation code from email to activate GreatCut after completing registration online.
- 3 If you lost your voucher code after registration, you can retrieve your original voucher code from GCC Club: <http://club.gccworld.com>

GreatCut Voucher Code

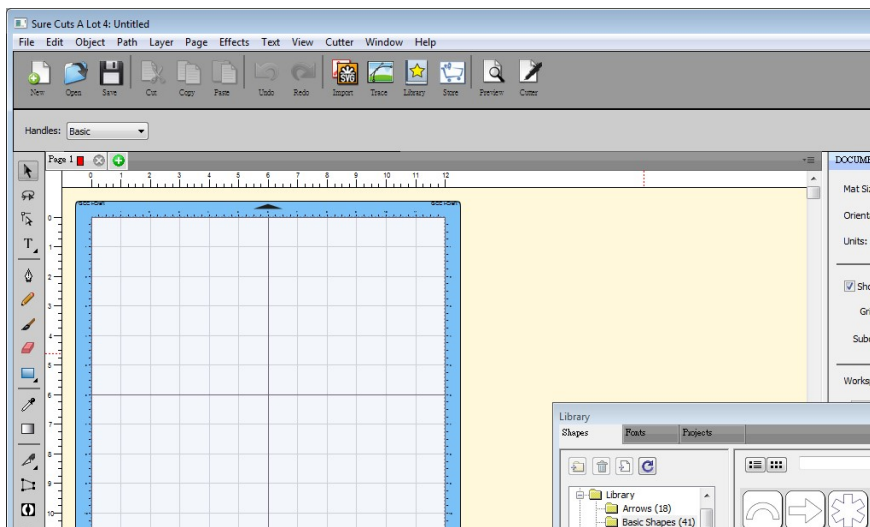
**Sure Cuts A Lot**

- 1 After completing installation of SCAL, enter license code into SCAL to complete activation.

Sure Cuts A Lot Voucher Code



## 12. Sure Cuts A Lot is ready to use.



### Note

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

### 2.3.2 Manually Activate Software

If the computer connected to i-Craft™ 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.

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

Activate Sure Cuts A Lot 4...

Please enter your Name, Serial and Activation Code.

Name:

Serial:

Site Code:

Activation Code:

Activate manually

If you are unable to activate, check the Activate manually option, and <http://www.craftededge.com/activation> to obtain your Activation code.

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

Please visit GCC website to download software.  
<https://www.gccworld.com/download.php>

**GreatCut**

- Register your product with voucher code online within 3 months after receiving your cutting plotter to avoid voucher code expiring.  
<http://gccvoucher.eurosystems.lu/>
- Get your activation code from email to activate GreatCut after completing registration online.
- If you lost your voucher code after registration, you can retrieve your original voucher code from GCC Club: <http://club.gccworld.com>

**GreatCut Voucher Code**

**Sure Cuts A Lot**

- After completing installation of SCAL, enter license code into SCAL to complete activation.

**Sure Cuts A Lot Voucher Code**

[www.gccworld.com](http://www.gccworld.com)

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

Activate "Sure Cuts A Lot"

**Important:** You only need to do the following if you are having trouble activating from within "Sure Cuts A Lot" or do not have an Internet connection on the computer you are trying to activate on.

You must activate in order to use the full version of the software. Generally, you will just need to choose Activate... from the Help menu in Sure Cuts A Lot and enter your name and serial number. The software will try to activate automatically and you can disregard this web page. **Do not** use this web page if you have not installed the software yet or have not purchased.

If you view the About box in Sure Cuts A Lot and it shows your name and serial number, the software is activated ok.

If you have problems activating automatically, you must use this web page and generate an Activation Code. The Name and Serial information is obtained from your purchase confirmation e-mail. The Site Code is obtained by running the program and choosing "Activate..." and checking the "Activate Manually" option.

Name:   
Please enter your full name

Serial:   
Must enter with the dashes (example: 12345-12345-12345-12345-12345)

Site Code:

After entering in your Name, Serial, and the Site Code, click the Generate Activation Code button to create your Activation Code. Copy and paste the value back into the "Activation" dialog box in the application to activate your copy.

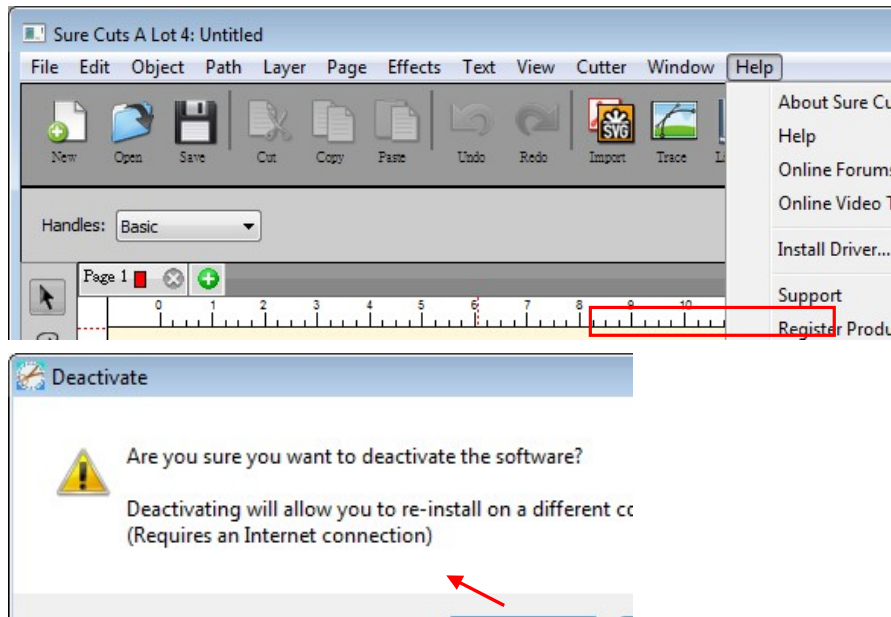
If you experience problems generating your Activation Code, please see our [FAQ](#).

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

### 2.3.3 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.

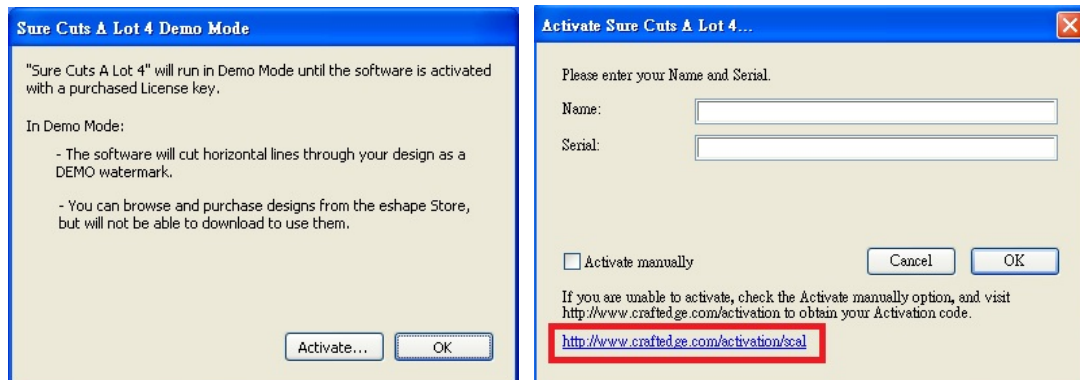
Go to “Deactivate...” under Help and press Yes to confirm, then follow the installation procedure and use **the same code** to activate it on another computer.



### 2.3.4 How to Reset Sure Cuts A Lot License If PC Format

How to reset Sure Cuts A Lot license if your PC format without deactivate flow? Follow the following steps, and you should be able to use Sure Cuts A Lot again.

1. Click on the web site link at the bottom left of Activate window.



2. On the web site , click “De-Activation Page” at the middle of the page.

**Important:** You only need to do the following if you are having trouble activating from within "Sure Cuts A Lot" or do not have an Internet connection on the computer you are trying to activate on.

You must activate in order to use the full version of the software. Generally, you will just need to choose Activate.. from the Help menu in Sure Cuts A Lot and enter your name and serial number. The software will try to activate automatically and you can disregard this web page. **Do not** use this web page if you have not installed the software yet or have not purchased.

If you view the About box in Sure Cuts A Lot and it shows your name and serial number, the software is activated ok.

If you have problems activating automatically, you must use this web page and generate an Activation Code. The Name and Serial information is obtained from your purchase confirmation e-mail. The Site Code is obtained by running the program and choosing "Activate.." and checking the "Activate Manually" option.

[Standard Activation Video Tutorial](#)  
[Manual Activation Video Tutorial](#)

**Please go to the [De-Activation Page](#) for de-activating or resetting your serial number.**

Name:   
Please enter your full name

Serial:  [What is this?](#)  
(example: 12345-12345-12345-12345-12345)

Site Code:  [What is this?](#)

After entering in your Name, Serial, and the Site Code, click the Generate Activation Code button to create your Activation Code. Copy and paste the value back into the "Activation" dialog box in the application to activate your copy.

If you experience problems generating your Activation Code, please see our [FAQ](#).

3. Enter the original register info and serial number, and the reason you need the license to be reset.

**Deactivate "Sure Cuts A Lot"**

This page can be used to reset your serial number if you need to re-install the software again due to problems such as a computer crash/reformat where you were not able to de-activate your copy off the computer first.

If you still have an activated copy installed and you wish to deactivate to install on a different computer, you can choose Deactivate under the Help menu in Sure Cuts A Lot 2 instead of using this webpage. The deactivation option in Sure Cuts A Lot requires an internet connection.

**Important:** You will only be able to use this page on a limited basis to reset your serial number. If you need your serial reset again after using this page, you will need to contact [support@craftedge.com](mailto:support@craftedge.com) for help.

IP Address Logged: 60.248.24.232

Name:   
Email:   
Serial:

**Please describe the reason you are needing to reset your serial number**

**Deactivate "Sure Cuts A Lot"**

This page can be used to reset your serial number if you need to re-install the software again due to problems such as a computer crash/reformat where you were not able to de-activate your copy off the computer first.

If you still have an activated copy installed and you wish to deactivate to install on a different computer, you can choose Deactivate under the Help menu in Sure Cuts A Lot 2 instead of using this webpage. The deactivation option in Sure Cuts A Lot requires an internet connection.

**Important:** You will only be able to use this page on a limited basis to reset your serial number. If you need your serial reset again after using this page, you will need to contact [support@craftedge.com](mailto:support@craftedge.com) for help.

IP Address Logged: 60.248.24.232

**Serial has been reset and you should be able to use it again now**

Name:   
Email:   
Serial:

Please describe the reason you are needing to reset your serial number

PC Format

4. After the “Deactivate” on the web site, you can enter the serial number on PC to start use the same license again.

**Activate Sure Cuts A Lot 4...**

Please enter your Name and Serial.

Name:   
Serial:

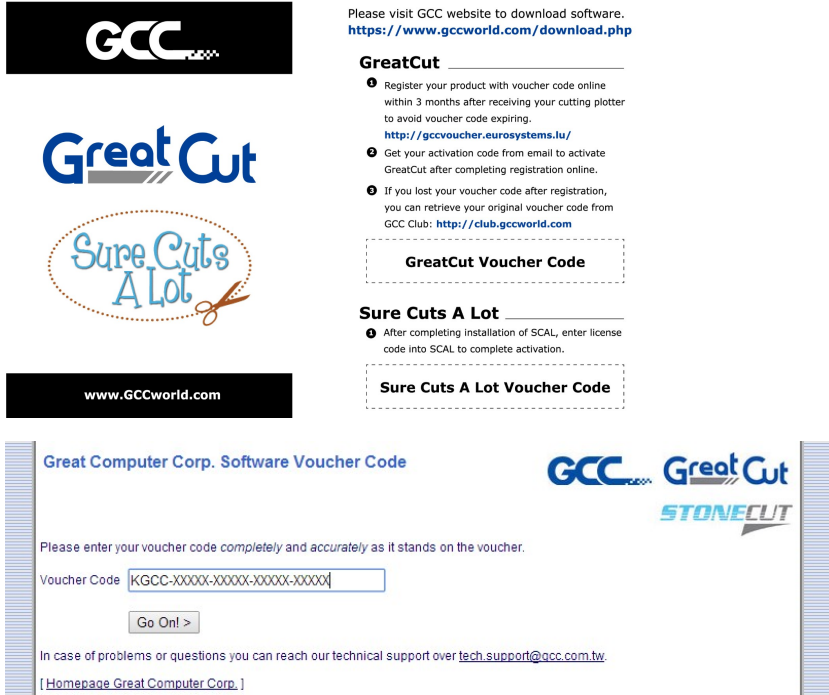
Activate manually

If you are unable to activate, check the Activate manually option, and visit <http://www.craftedge.com/activation> to obtain your Activation code.

<http://www.craftedge.com/activation/scal>

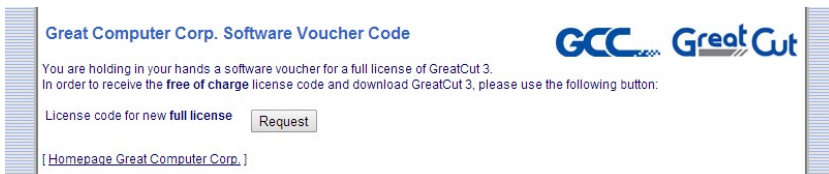
## 2.4 GreatCut Installation

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



The screenshot shows the registration page with the GCC logo, GreatCut logo, and Sure Cuts A Lot logo. It includes instructions to visit the GCC website for software download and lists steps for registration. Below the instructions are two dashed boxes for entering voucher codes: "GreatCut Voucher Code" and "Sure Cuts A Lot Voucher Code". The main form area is titled "Great Computer Corp. Software Voucher Code" and contains a text input field for the voucher code, a "Go On! >" button, and contact information for technical support.

2. Click “Request” to go to registration page.



The screenshot shows the registration page with the GCC logo, GreatCut logo, and Sure Cuts A Lot logo. It includes instructions to visit the GCC website for software download and lists steps for registration. Below the instructions are two dashed boxes for entering voucher codes: "GreatCut Voucher Code" and "Sure Cuts A Lot Voucher Code". The main form area is titled "Great Computer Corp. Software Voucher Code" and contains a text input field for the voucher code, a "Go On! >" button, and contact information for technical support.

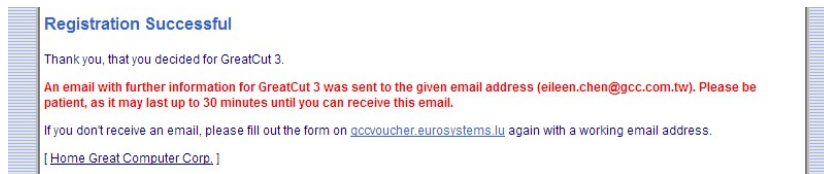
3. Fill in the required information and click “Request license code.”



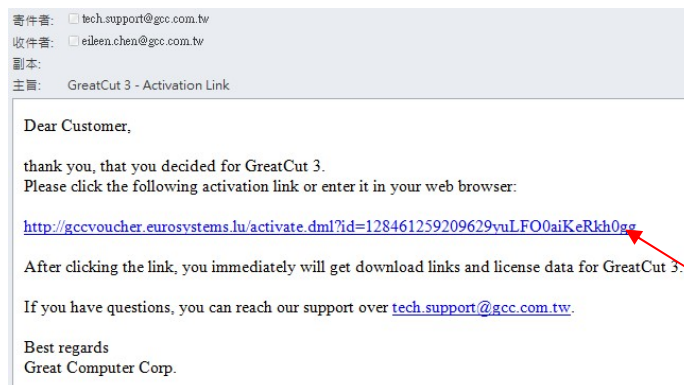
The screenshot shows the registration page with the GCC logo, GreatCut logo, and Sure Cuts A Lot logo. It includes instructions to visit the GCC website for software download and lists steps for registration. Below the instructions are two dashed boxes for entering voucher codes: "GreatCut Voucher Code" and "Sure Cuts A Lot Voucher Code". The main form area is titled "Software Download GreatCut 3" and contains a registration form with fields for last name, first name, company, street, PO box, city, state/province, zip/postcode, country, phone, fax, and email address. A "Request license code >" button is at the bottom, with a red arrow pointing to it.



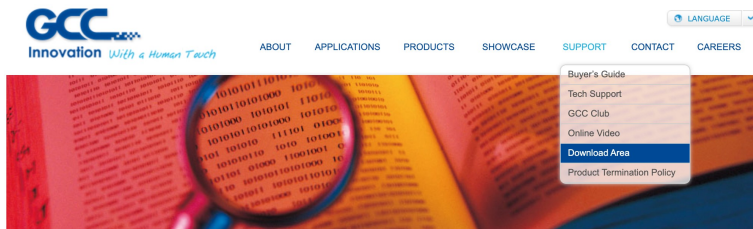
4. The registration is completed; you should receive two emails, one is registration confirmation with activation link and another is your license data with **.ecf** file.



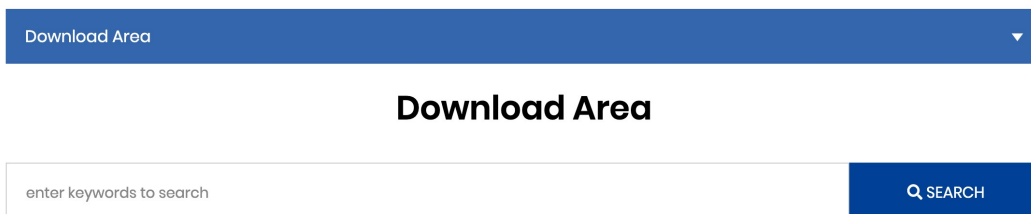
5. Check your email to see if you receive the activation link and click the link that will direct you the link for GreatCut download.



6. Or you may visit GCC website and go to "SUPPORT" page to download the software (<https://www.gccworldnew.com/download.php>).



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



Or browse by machine model

Vinyl Cutter

Laser Engraver

Laser Cutter

Laser Marker

UV Inkjet Printer

Digital Finishing Equipment

Vinyl Cutter

Vinyl Cutter

i-Craft™ 2.0

AR-24

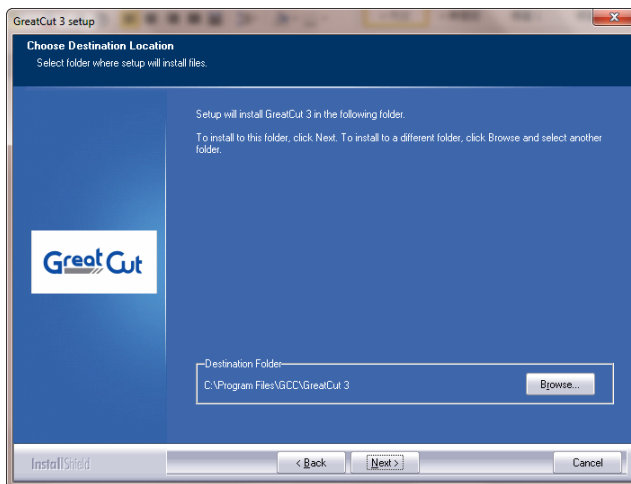
Expert II

Puma IV

Software

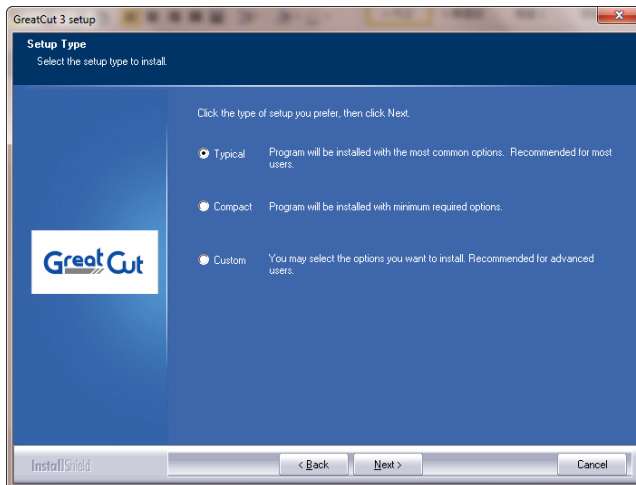
Title	Size	Download
GreatCut 4 for Windows (v.17.0.20.21868)	294MB	Download
Sure Cuts A Lot 5 for Windows 64 bit (v5_044GCC)	73.6MB	Download
Sure Cuts A Lot 5 for Windows 32 bit (v5_044GCC)	55.7MB	Download
Sure Cuts A Lot 5 for MAC (v5_044GCC)	36.2MB	Download

**8. Select a destination folder.**



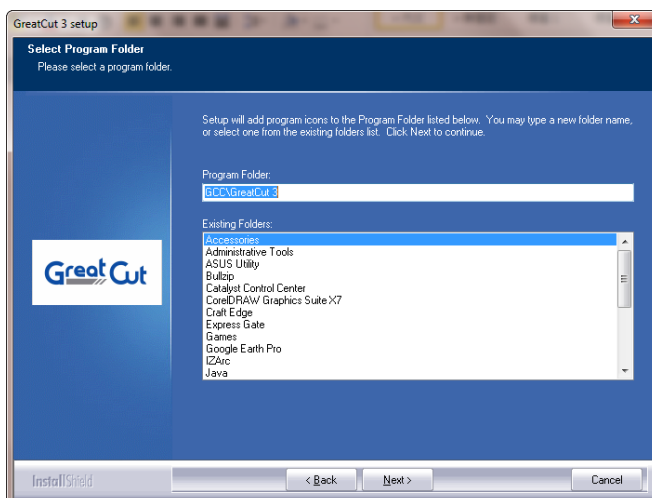
**9. Select Typical and click Next.**

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

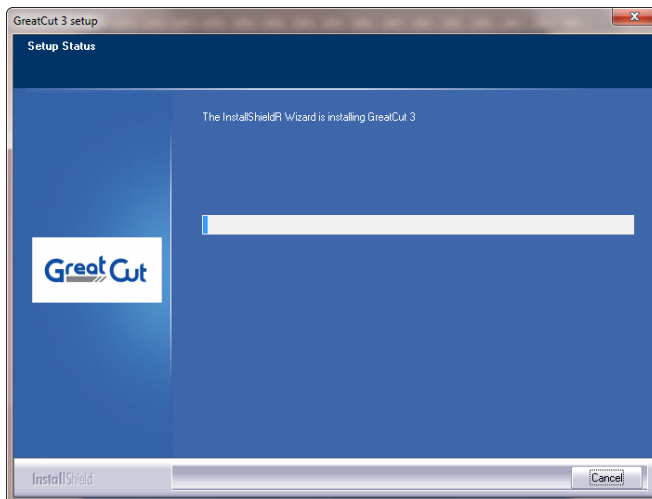


**10. Select the folder and click Next.**

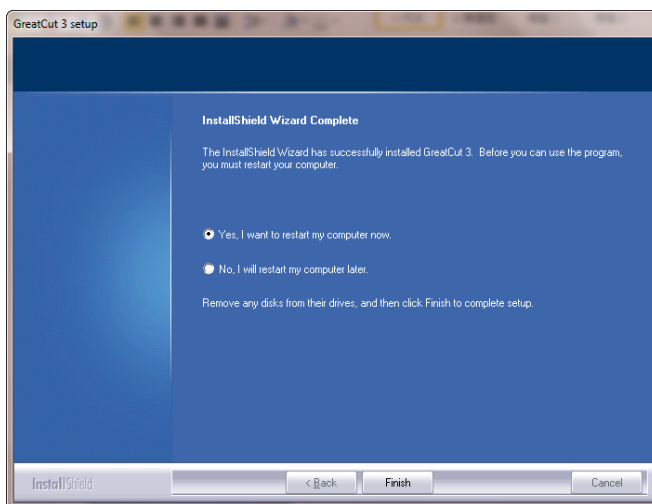
Default program folder in the start menu is GCC\GreatCut.



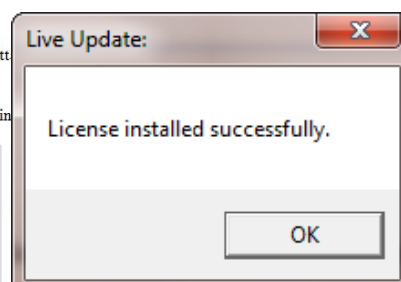
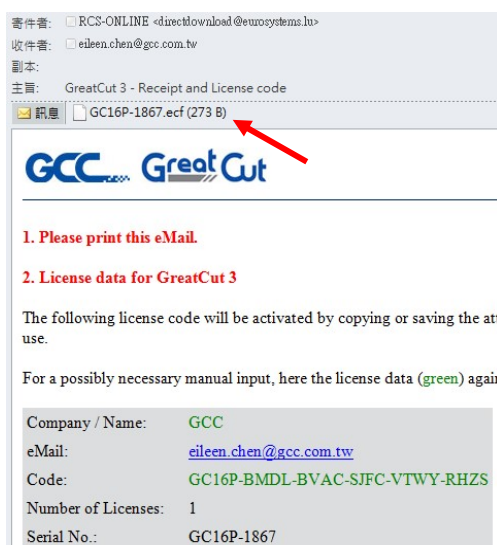
### 11. GreatCut is installing.



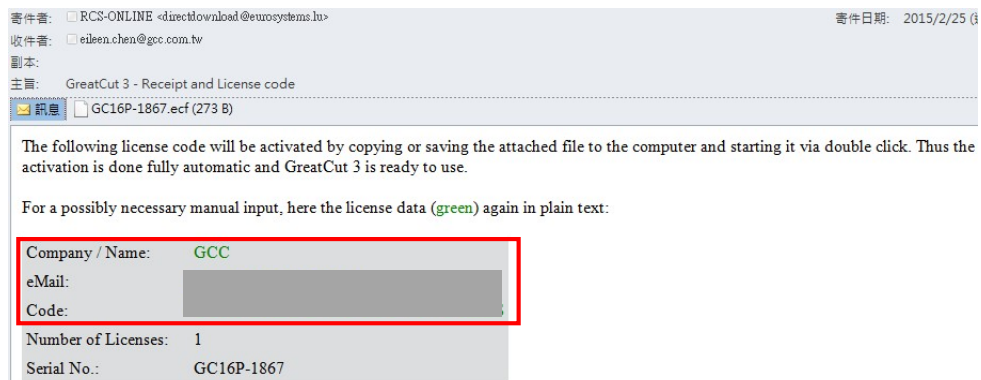
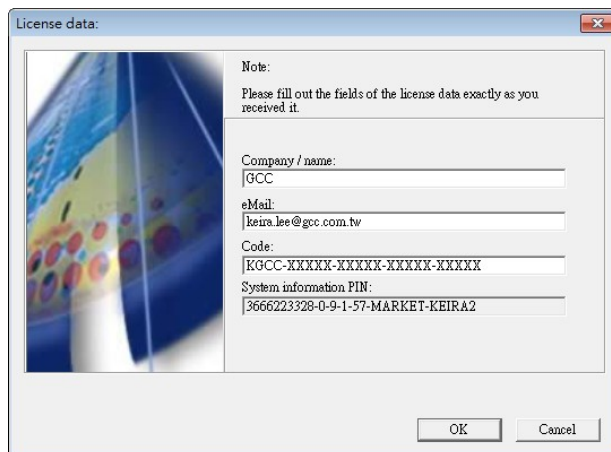
### 12. Click Finish to complete installation.



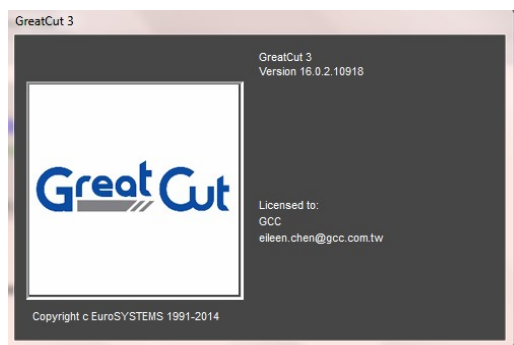
### 13. Before you launch GreatCut, open the .ecf attached to the license data email to install your license data to GreatCut so that you don't need to fill in your information again.



14. 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.



15. GreatCut is ready to use now.



## 2.5 Tablet App Installation

Search “Sure Cuts A Lot” on Apple Store and one click to download and install, and then set a wireless access point (AP) like Apple AirPort Express™ to connect the tablet to i-Craft™.



The following takes AirPort Express™ for example to illustrate how to setup a wireless access point (AP) and cut with i-Craft™ through tablet.

### 2.5.1 Setup a Wireless Access Point (AP)

**Step 1** Buy AirPort Express™ from Apple Store, and then download and install AirPort Utility on Apple website on your computer.



#### AirPort Utility software and firmware downloads

Discover the requirements and links to available firmware updates and applications for AirPort base stations. For current products, you should use the latest OS X and iOS, AirPort Utility, and firmware.

#### AirPort software

Software	OS Required	Compatible AirPort Products
<a href="#">AirPort Utility 1.3.4 for iOS</a>	iOS 7.1 or later	AirPort Express 802.11n (2nd Generation), AirPort Extreme 802.11n (1st Generation), AirPort Express 802.11n (1st Generation), AirPort Time Capsule 802.11n (1st Generation), AirPort Extreme 802.11n (2nd Generation), AirPort Time Capsule 802.11n (2nd Generation), AirPort Extreme 802.11n (3rd Generation), AirPort Time Capsule 802.11n (3rd Generation), AirPort Time Capsule 802.11n (4th Generation)

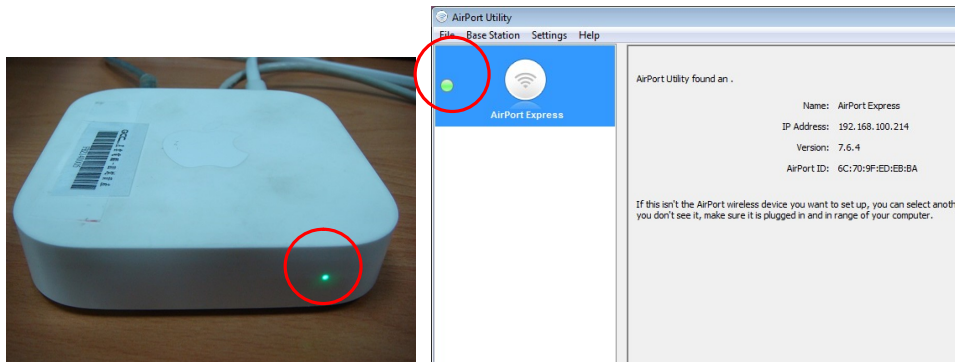
**Step 2** Connect your DSL or cable modem to your AirPort Express using the WAN Ethernet port.



(The source of picture: Apple website)

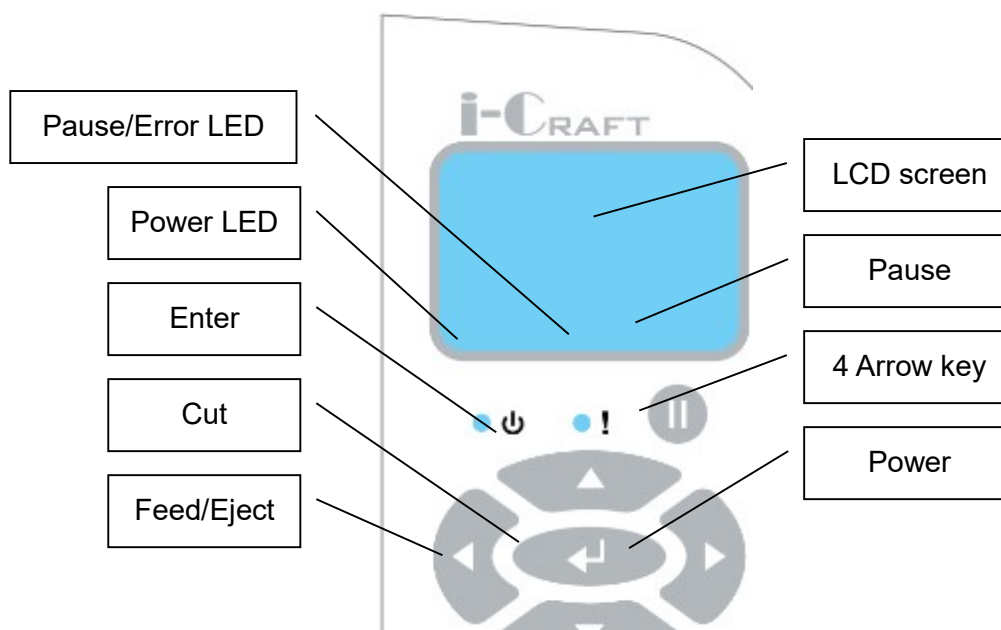
**Step 3** Use AirPort Utility to create a new network. Please refer to the manual of AirPort Express™.

**Step 4** After finishing network setting, the light of AirPort Express™ and AirPort Utility setting window will turn green from orange. The network work successfully.



### 3. Operation

#### 3.1 Control Panel



Key	Function
Power key	Power off → Power down Power on → Performance states
4 Arrow key	To move position, select function, or change setting.
Enter	To set item or register the immediately preceding input value.
Pause	To temporarily halt cutting process or to continue
Cut	To perform cutting To repeat last cutting job
Feed/Eject	To feed or eject the media

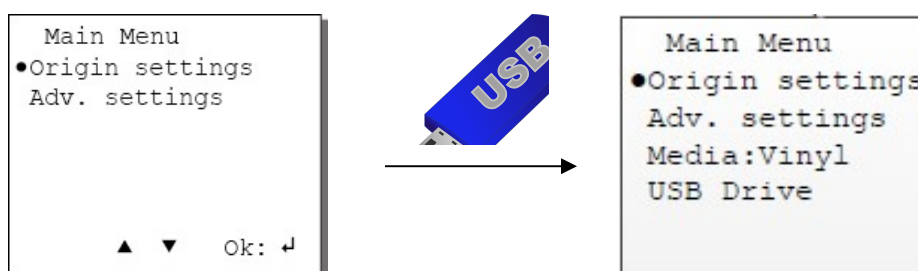
Indicator	Color	Function
Power LED	Green	Light up → Power on Light off → Power off Flash → Busy
Pause/Error LED	Red	Light up → Pause Flash → Error



### 3.2 Control Panel Settings

The “Origin settings”, “Advanced settings”, “Media”, and “USB Drive” options will show on LCD screen, press Up or Down arrow key on the control panel to move the bullet point and press Enter key to enter settings menu.

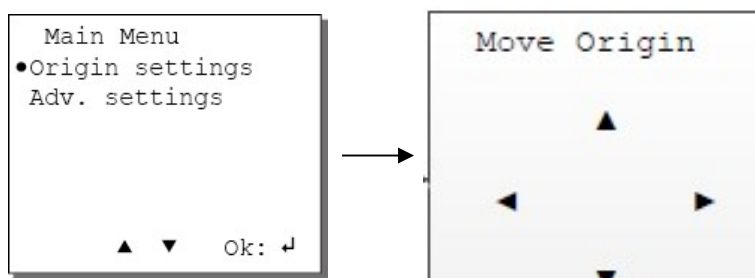
**Remark:** “Media”, and “USB Drive” options appears when you plug in USB drive, instructions for “Media”, and “USB Drive” please refer to chapter 5- Use USB Drive with i-Craft™.



#### 3.2.1 Origin Settings

If you want to cut different shapes on the same media, you may use the function of Origin Settings to reset the origin in order to avoid unnecessary waste of materials.

To set origin, move the bullet point to Origin settings and press “Enter” key, the settings will show as below. Use 4 arrow key to make it move to the position that you want it to start, and press Enter to set the origin.



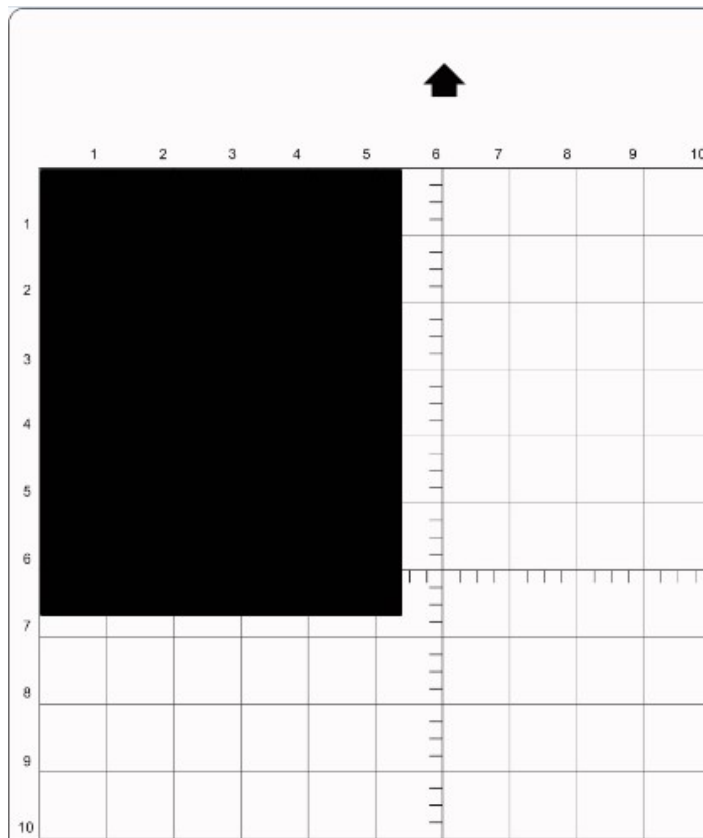
#### 3.2.2 Advanced Settings Menu

Adv. Settings Menu	Function	Settings
Smooth	To construct smooth outline when cutting or drawing circles or curves. If you want to cut curved lines, it is	Enable, Disable

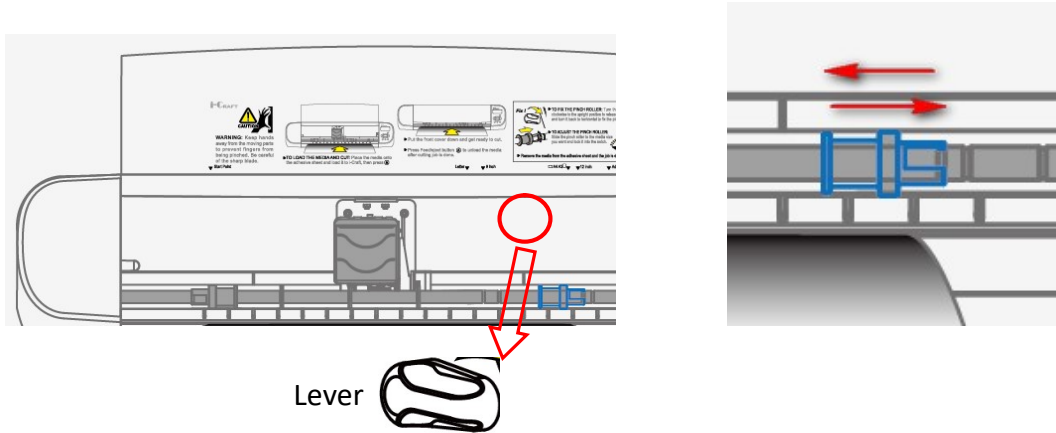
	suggested to enable the Smooth function to get a smooth cutting outline. If you need to deal with complicated shapes, it is suggested to disable the Smooth function to guarantee the quality of cutting result.	
Media Type	To set the media is roll type or sheet type.	Roll, Sheet
Holder	According to the demand place the holder on the carriage, and select the holder in this setting, so that the origin positions on the correct place. If select "pen", the origin will move back 3 cm, If select "blade" or "tool", the origin moves to original origin.	Blade, Pen, Tool
Power Saving	To set or modify the time to enable power saving mode. The power saving mode is that i-Craft™ is not operated after certain period of time, the LCD backlight will turn off. But operates i-Craft™ again, the LCD backlight will brighten. To select OFF to disable the power saving mode, the minimum time of power saving enabled is 30 seconds, maximum up to 500 seconds.	OFF, 30 - 500 seconds

### 3.3 Media Loading

**Step 1** Place the media onto the adhesive sheet and align the edge of sheet media with the left and up side of the grid line.

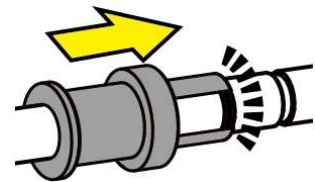


**Step 2** Turn the lever counterclockwise to release the roller and move the pinch roller to the position you want to cut. i-Craft™ is able to cut different sizes of media including Letter, 9 inch, A4, A3 and 12 inch.



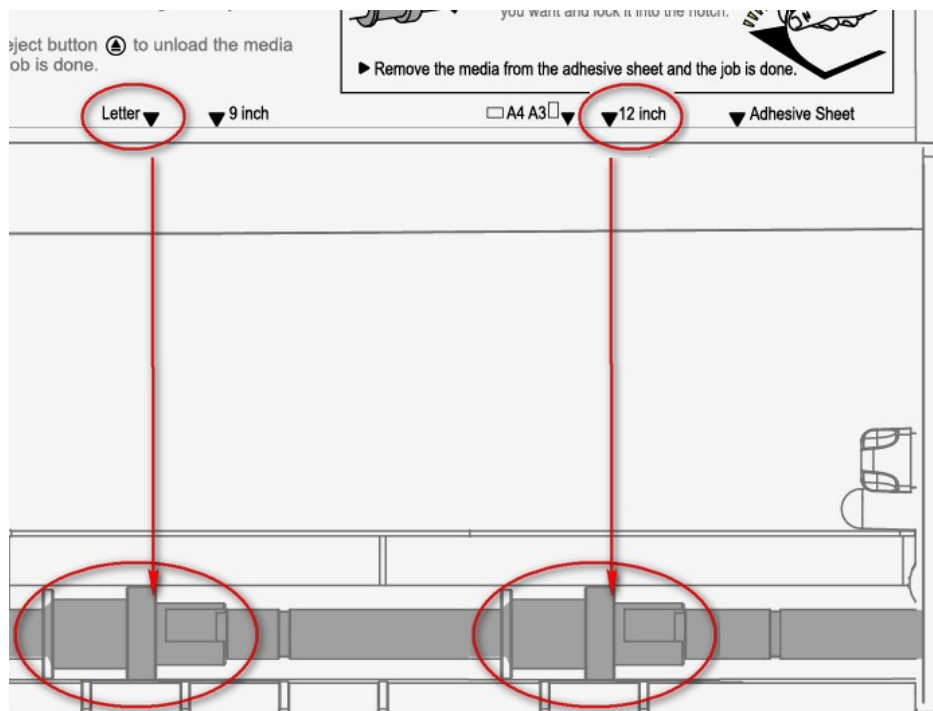
**Tips** How to adjust pinch roller?


Turn the lever anti-clockwise to release the pinch roller and slide the pinch roller to the position you like. Then move the roller into the notch to lock it and turn the lever clockwise to fix it.

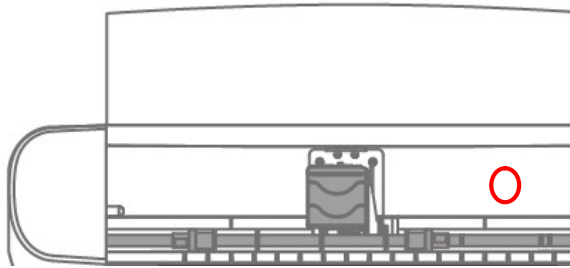


**Tips** How to align the size you want?

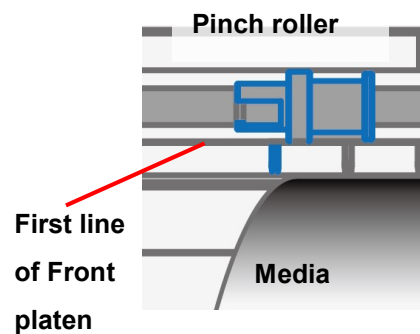
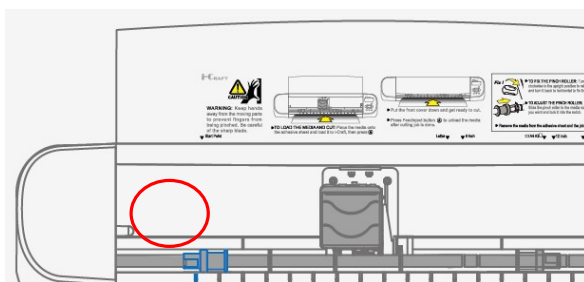
To select a size you want to cut, you may use the guideline marks on the sticker on the front cover and check which size you want to apply, move the pinch roller to the corresponding position and lock it in the notch.



**Step 3** Turn the lever clockwise to fix the roller. Then press Feed/Eject button  to load the media to i-Craft™.



**Step 4** The edge of the media on the left side should be aligned to the first line from the left on the front platen.



**Step 5** Put the front cover down to prevent fingers from being pinched by the moving parts; i-Craft™ is ready to work now.



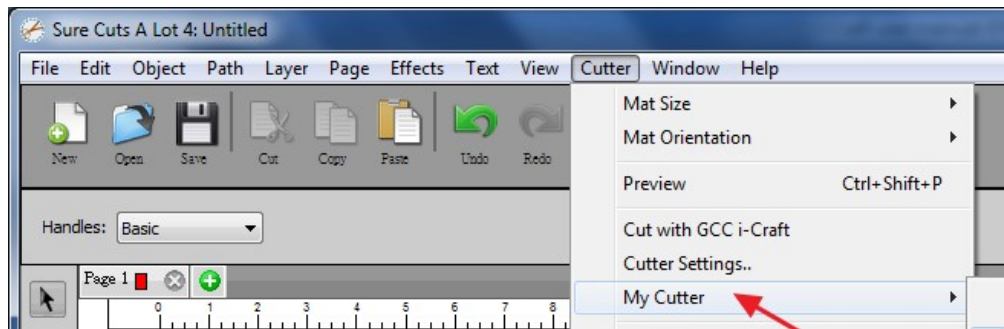
**Note**

✓ Always remove the materials from i-Craft™ before powering it off.

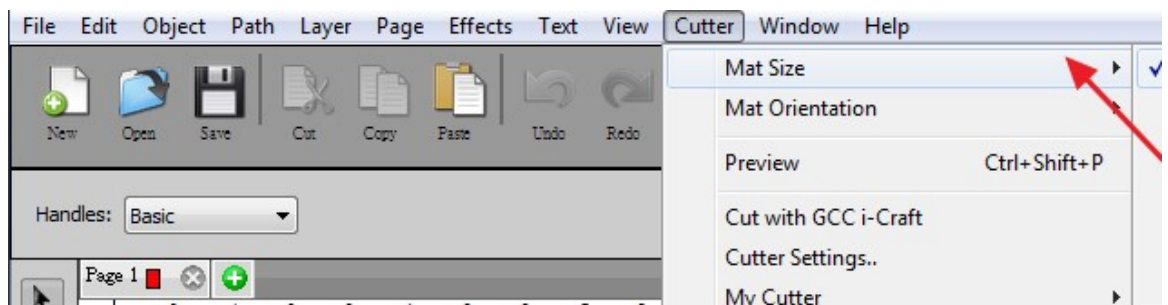
### 3.4 Setup Link to i-Craft™

**Step 1** Launch Sure Cuts A Lot software.

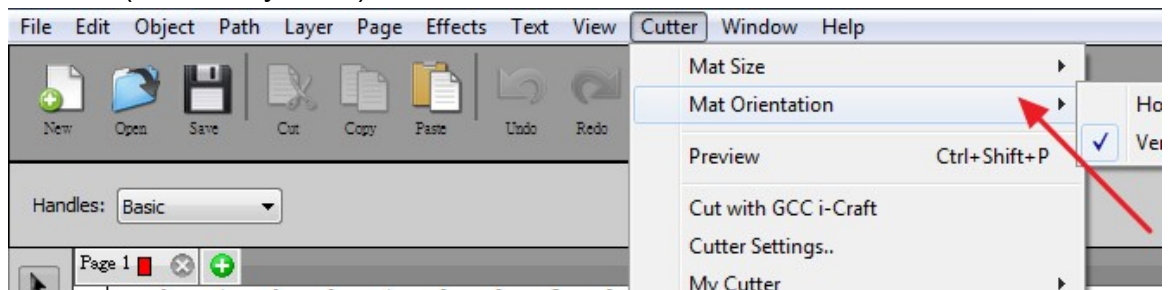
**Step 2** Select “My Cutters” under “Cutter” on the top toolbar, and select “GCC i-Craft.”



**Step 3** Select “Mat Size” under “Cutter” to choose corresponding machine and work area.

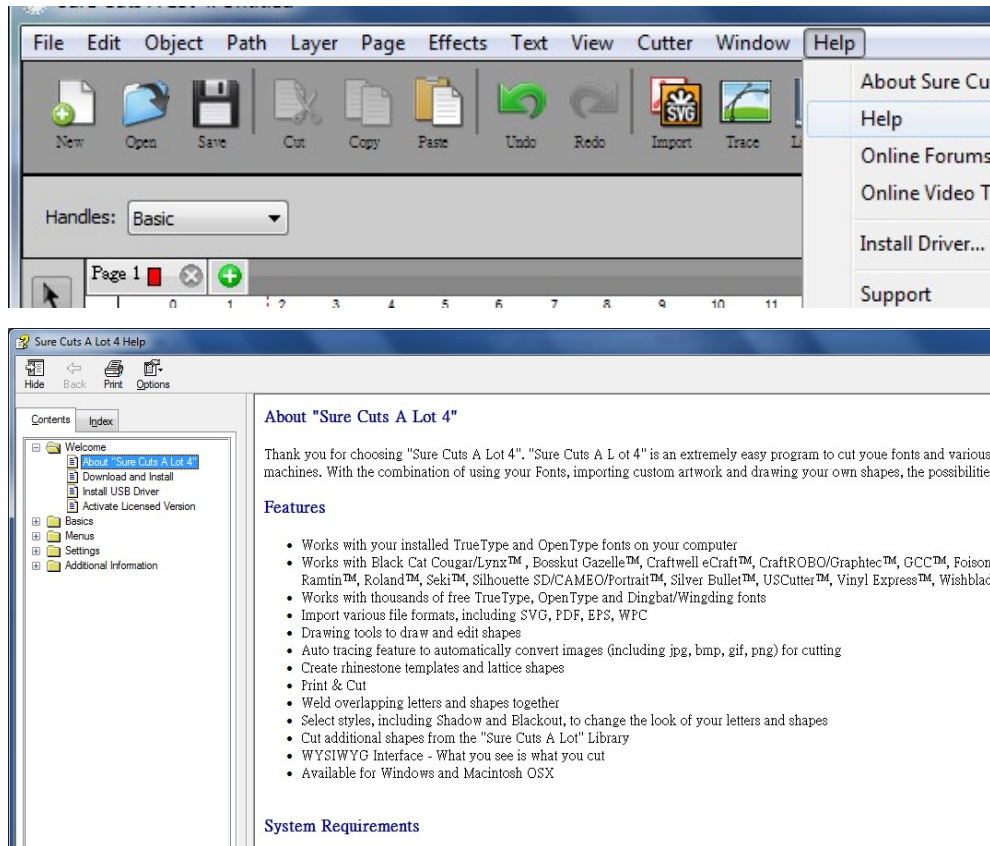


**Step 4** Select “Mat Orientation” to change the mat direction to be Horizontal or Vertical (commonly used).



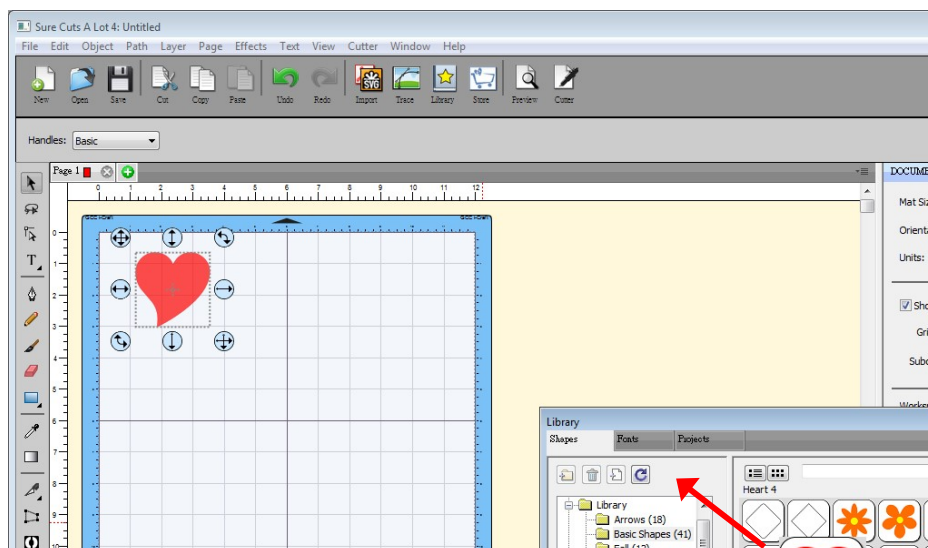
### 3.5 Edit in Sure Cuts A Lot

Below instructions illustrate how to output via Sure Cut A Lot to GCC i-Craft™. If you need detailed instruction, please refer to **Sure Cut A Lot Help**. If you use SCA tablet version, you could refer instruction below, but maybe not all the functions could be executed on the tablet.



### 3.5.1 Insert Graphics from Library

Select graphics from library to insert a selected design.

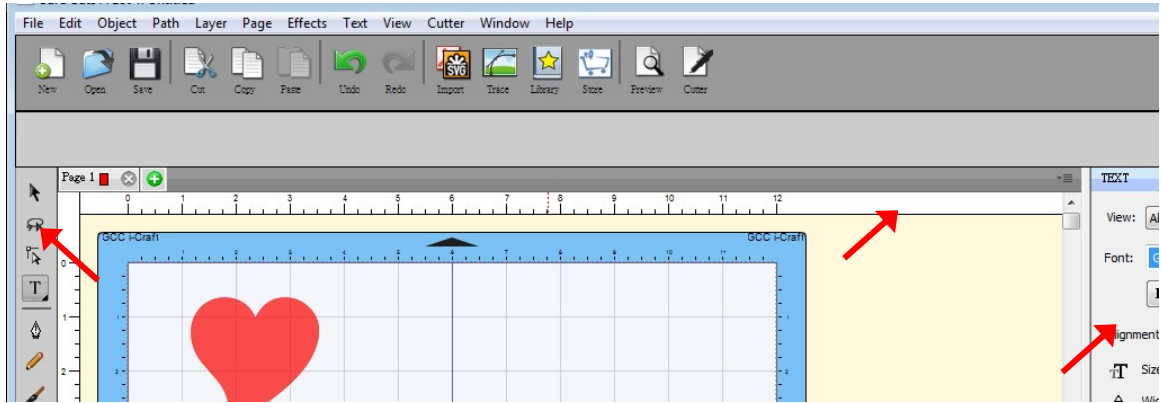


#### **Tips** Remain the aspect ratio

- ✓ If you want to change the graphic size and remain the aspect ratio, you can change the graphic size and press “Shift” key simultaneously.

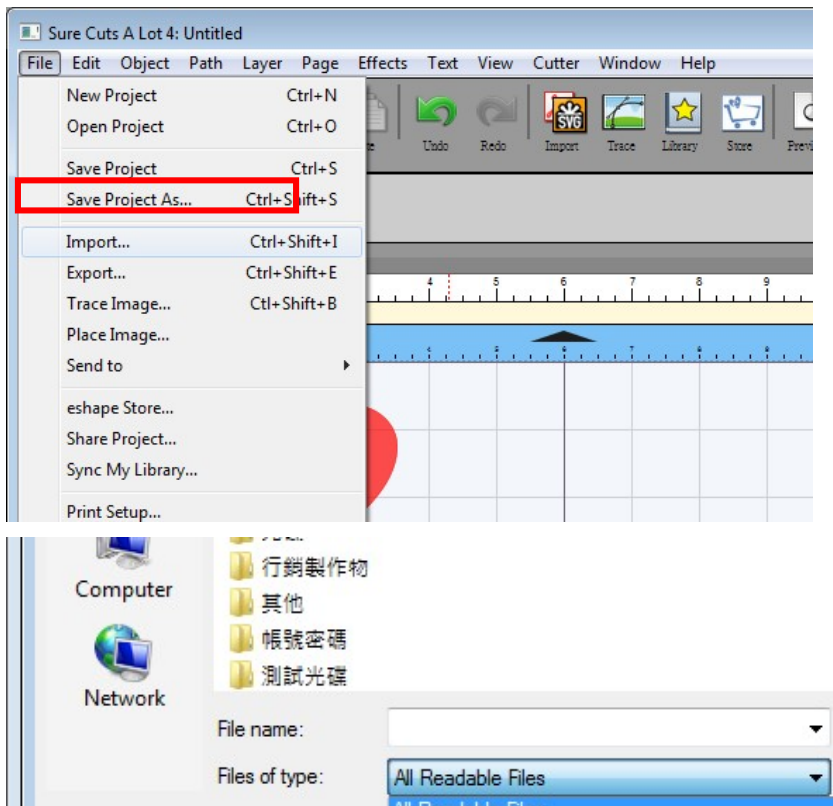
### 3.5.2 Draw Text

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



### 3.5.3 Import Design

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

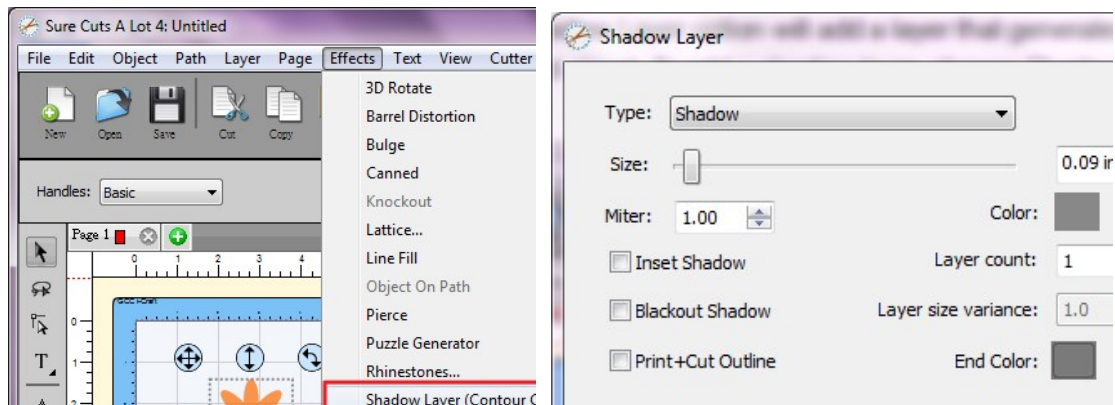


**Tips** Thousands of SVG files designed specifically for Sure Cuts A Lot!

- ✓ <http://SVGCuts.com> is the top of source for designer SVG files for Sure Cuts A Lot. Thousands of high quality elements including: shapes for card-making, scrapbooking, as well as gift bags, boxes and 3D flowers.
- ✓ You can download free SVG files on search engine or pay some fee for getting delicate SVG files that you can make beautiful works.

### 3.5.4 Shadow Layer (Contour Cut)

The Shadow Layer option will add a layer that generates an outline around the selected object. To add a shadow layer, choose Shadow Layer from the Effects menu.



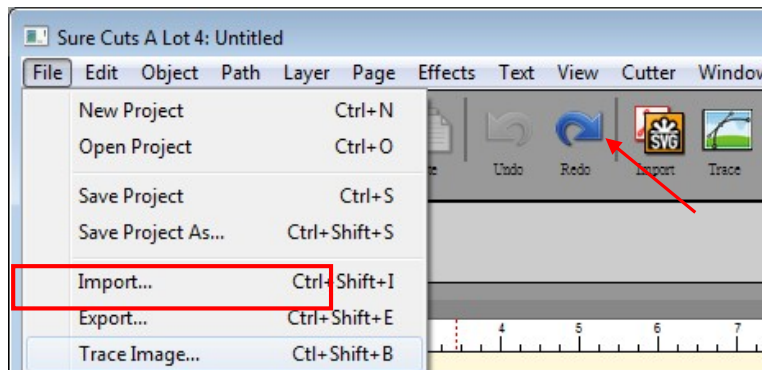
- **Size:** How far to offset the shadow outline from the shape.
- **Miter:** If you are using the standard Shadow type, this controls when a corner is changed from pointed to beveled.
- **Inset Shadow:** If checked, the shadow will offset into the shape.
- **Blackout Shadow:** Removes inner outlines.
- **Print+Cut Outline:** This will set the generated shadow layer to have cut line type of "Print+Cut Cut" and will set the original shape to "Print+Cut Print". This way the original shape will be used for printing only and the new shadow layer is only cut.



### 3.5.5 Convert Image to Cutting File (Trace Image)

"Sure Cuts A Lot" allows you to import image files and will trace the image for cutting.

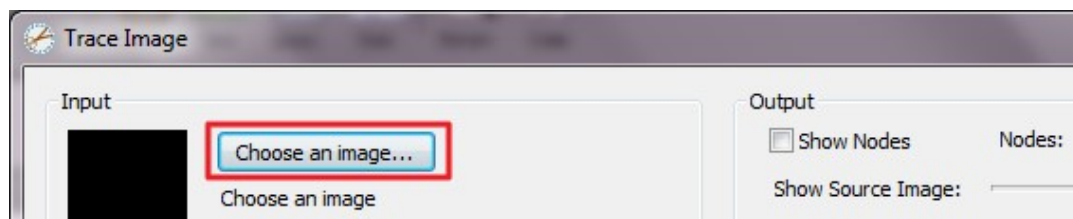
**Step 1** Go to Trace Image under File, or select Trace Image button on the toolbar to open the setting window.



**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.

#### Input Settings

Choose an Image: click "Choose an image..." button. The program can accept most files (.bmp, .jpg, .gif, .png).



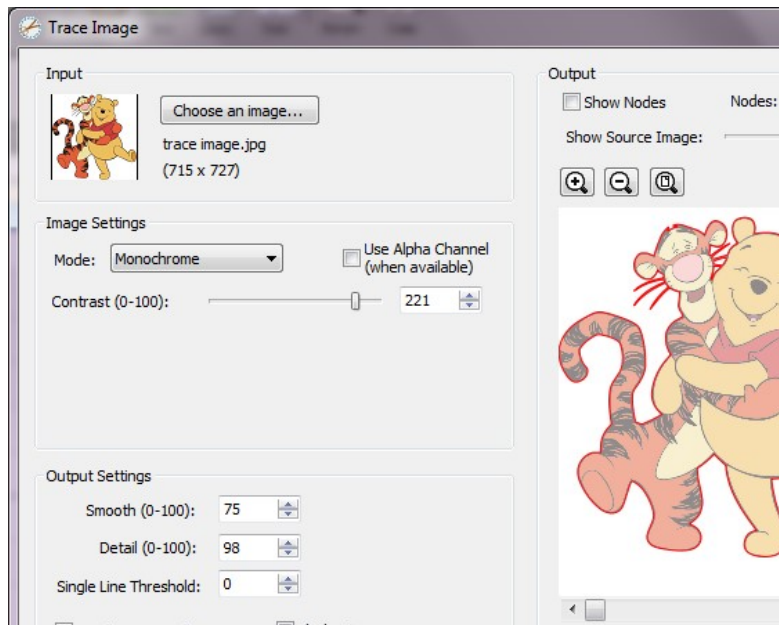
#### Image Settings

**Mode:** choose which tracing mode you would like to do.

- **Monochrome** - will trace as if the image is a black and white image.

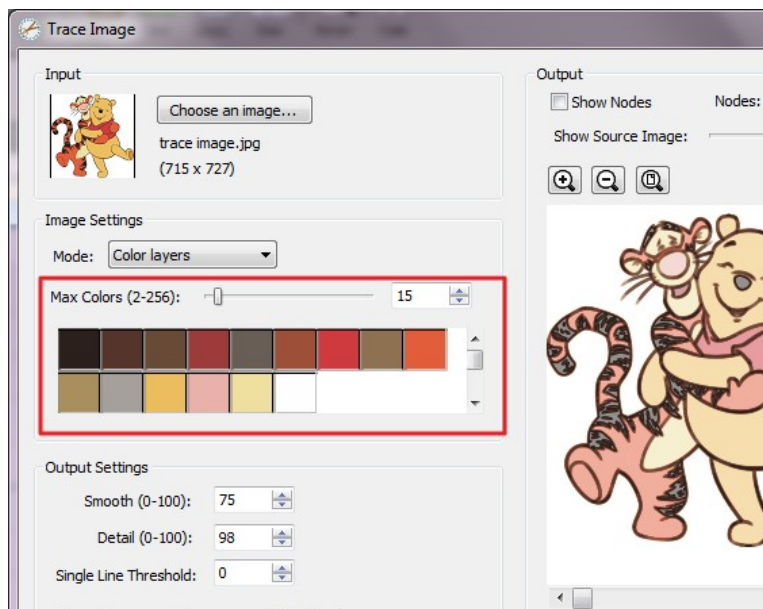
**Contrast:** this value will determine the cutoff to whether parts of the image should be traced. When you adjust the contrast value, the preview will change to a black and white image showing what parts of the image

will be traced. To see trace results, click the **“Update Preview”** button.



- **Color layers** - will segment the image into the specified number of colors.

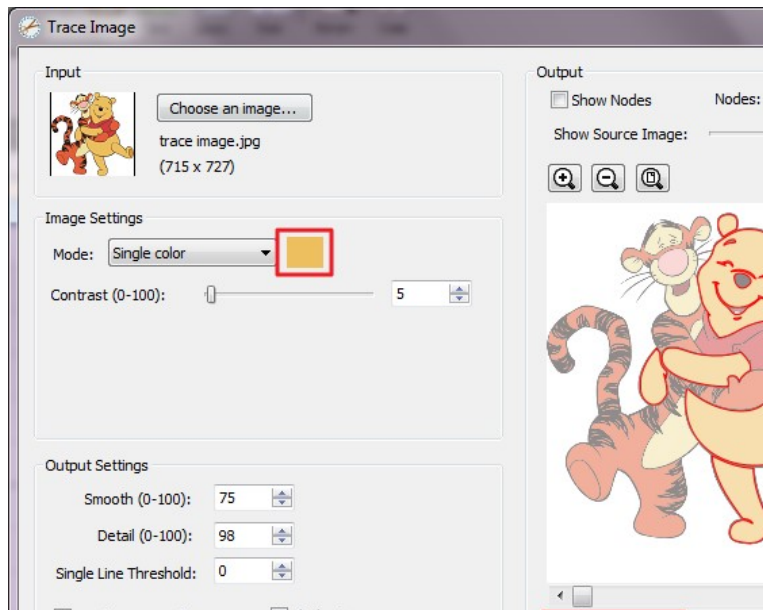
**Max Colors:** the maximum number of colors to segment the image in to. You can turn off colors by clicking on the color boxes. To see trace results, click the **“Update Preview”** button.



- **Single Color** - choose a specific color from the image to trace. To choose a color, click the **color button**, and then click on the preview image to choose a color.

**Contrast:** this value will determine the cutoff to whether parts of the

image should be traced. When you adjust the contrast value, the preview will change to a black and white image showing what parts of the image will be traced. To see trace results, click the "Update Preview" button.



## Output Settings

- **Smooth:** higher values will result in a smoother trace.
- **Detail:** lower values will remove smaller shapes
- **Single Line Threshold:** this can be used if you are tracing images that have outlines shapes that are not filled solid to prevent having double lines.
- **Break Apart Outlines:** if checked, the trace result will be saved as separate layers for each outline created.
- **Blackout:** removes internal outlines.
- **Add Image Layer (Print+Cut):** adds the source image as a layer under the traced outline, and sets the traced outline layer to "Print+Cut Cut" so that it will only be cut and not printed.

### Note

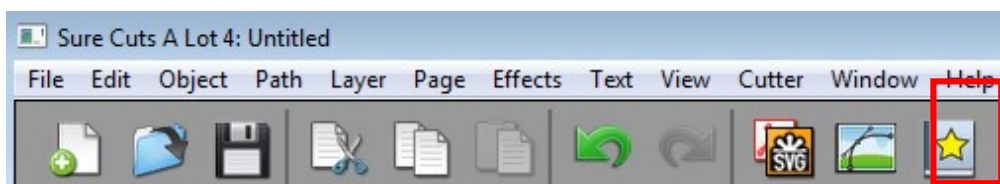
- ✓ The **contrast** and **pixels** of import images will affect the trace image result. High contrast graphics are recommended.

## 3.6 Cut via Sure Cuts A Lot

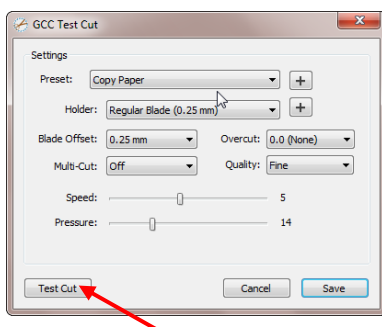
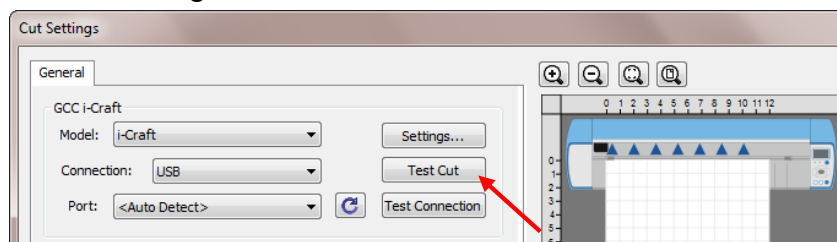
### 3.6.1 Cut the Design

Please find appendix 6.2 Material Parameter Setting List to set the most proper parameter setting.

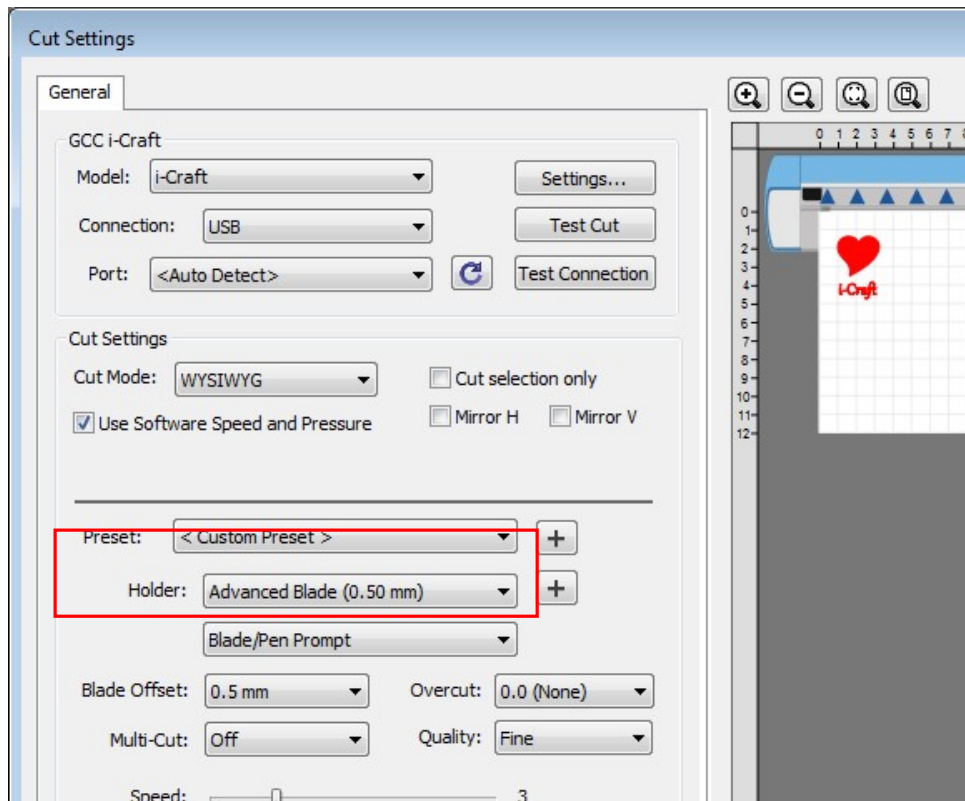
**Step 1** Click on the “Cutter” button on the toolbar and Cut Settings window will appear.



**Step 2** Click on “Test Cut” to exam if the setting works properly on selected material. You may adjust the settings and test it till you find the most suitable setting values.



**Step 3** Adjust Blade Offset, Overcut Value, Multi-Cut and Quality under Cut Settings window if needed.

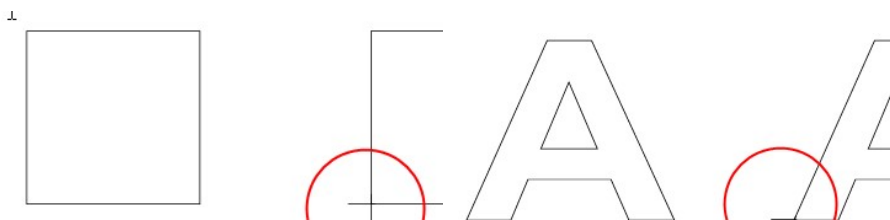


\***Blade Offset:** set the offset value according to different blade, for a standard blade, set the offset value at 0.25mm, 0.5mm for an optional advanced blade and 0mm for an optional plotting pen.

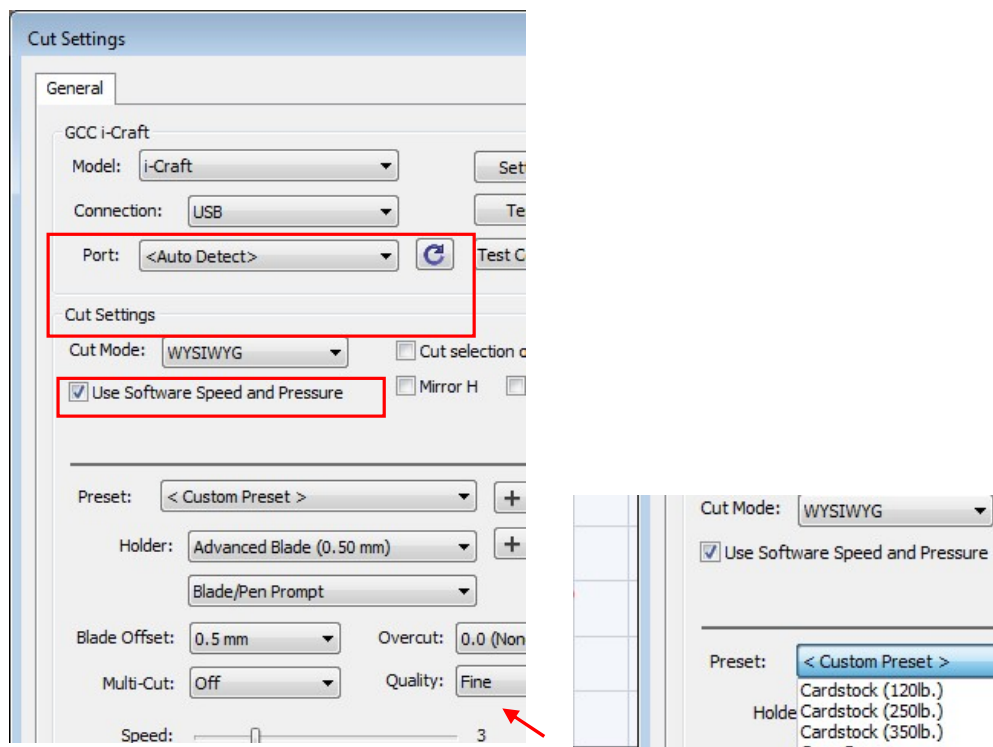
\***Quality:** associated with the cutting result; please note the better cutting quality, the slower cutting speed.

\***Multi-Cut:** to repeat the cutting job at same position which is suitable for cutting thick material.

\***Overcut:** allows for easier weeding and makes up for incomplete cut lines.



**Step 4** Under “Cut Settings” section, there are some useful functions. After setting the parameters, click on “Cut” to send the data to i-Craft™ and i-Craft™ will start the cutting job.



**\*Cut Mode:** there are “WSIWYG” and “Origin Point” options, WSIWYG means what you see is what you get, the i-Craft™ will output the graphic at same position in preview window. While with Origin Point mode, i-Craft™ will cut the graphic from top left origin point of adhesive mat.

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

**\*Cut Selection Only:** when tick the Cut Selection Only, i-Craft™ will only output the selected graphics.

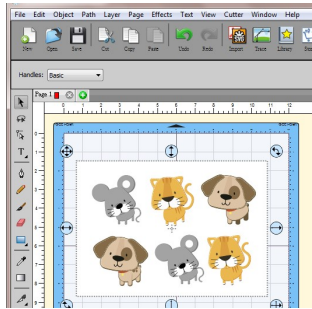
**\*Preset:** select a proper material to apply the preset speed and pressure parameter automatically.

**\*Speed & Pressure:** you may adjust values of speed and pressure manually to get quality results.

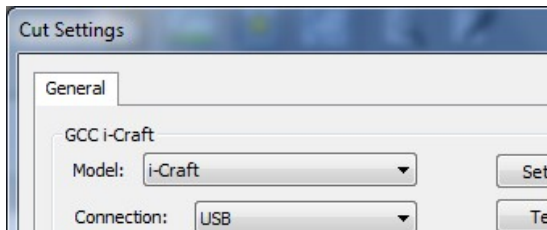
### 3.6.2 Print and Cut Your Design

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 i-Craft™ cutter to cut out the contour of printed jobs from Sure Cuts A Lot.

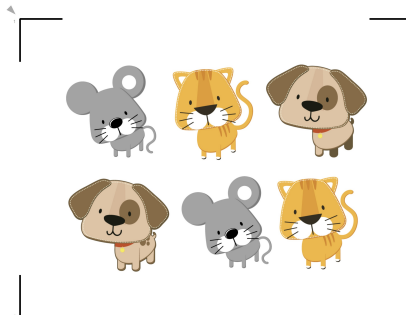
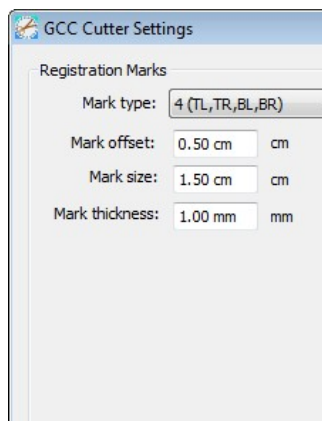
**Step 1** Open an image file in Sure Cuts A Lot (please refer to 3.5.1-3.5.5 for how to open your design in Sure Cuts A Lot).



**Step 2** Click on “Settings...” to open GCC Cutter Settings window

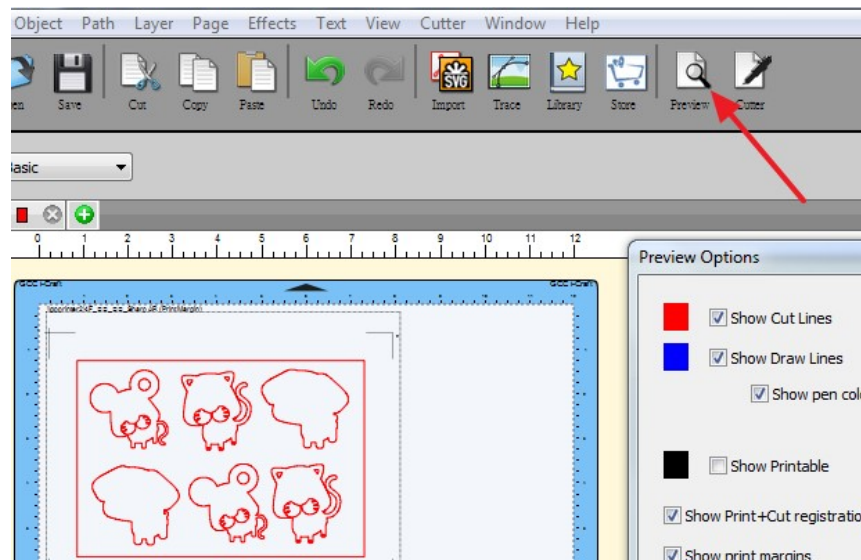


**Step 3** Adjust Registration Marks setting under GCC Cutter Settings window if needed.

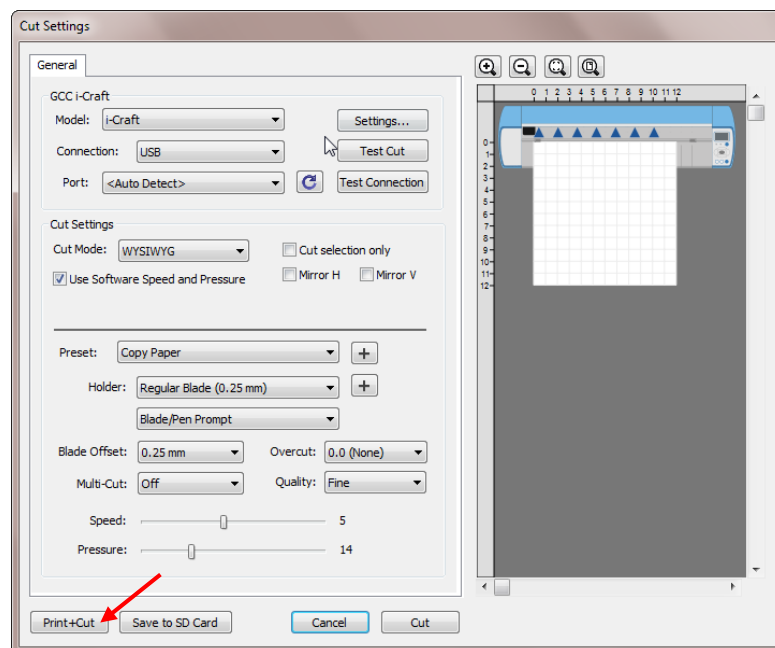


**\*Registration Marks:** set the distance between the edge of the material and the registration marks in Mark Offset; set the size of marks in Mark Size; set the line thickness of marks in Mark Thickness.

**Step 4** Click “Preview” on the toolbar to check the registration mark offset, size, and thickness.

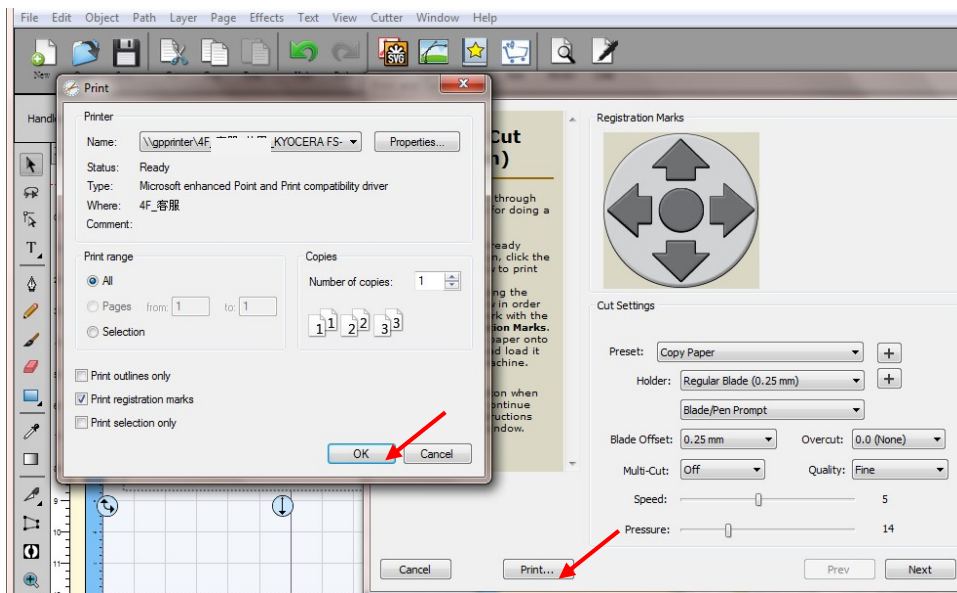


**Step 5** Click on the Cutter icon on the toolbar, set the parameters and click on “Print+Cut” to add the registration marks and print out the image.

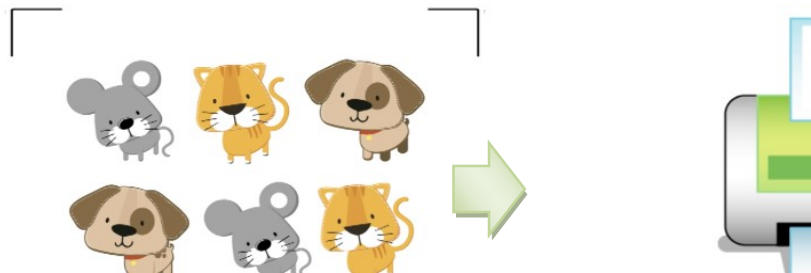




**Step 6** Click on “Print...” to open printer setting window and click OK.



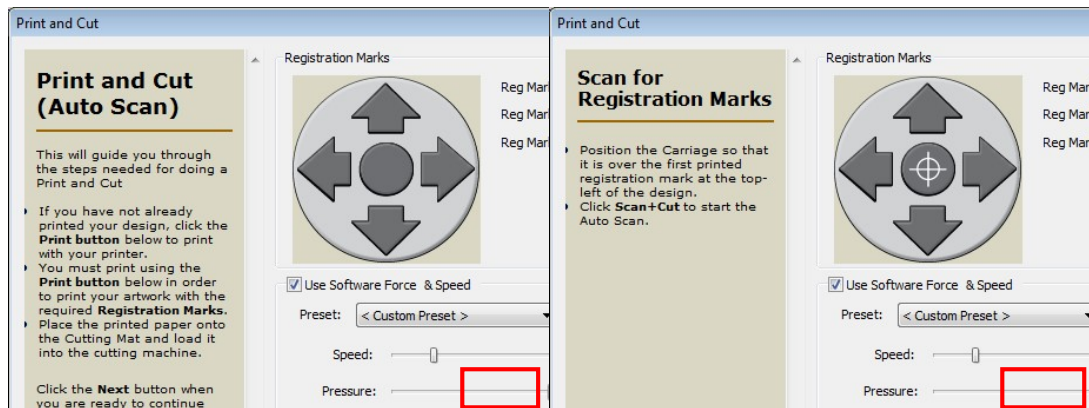
**Step 7** Print your design with registration marks out.



**Step 8** Load the printed media with adhesive sheet to i-Craft™ (refer to Section 3.3 “Media Loading”).



**Step 9** Press “Next” and then press “Scan+Cut”, and then i-Craft™ will detect the registration marks and cut the contour lines automatically.



### 3.6.3 Scan2Cut

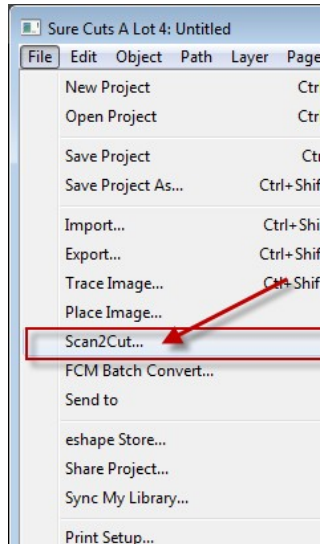
You can scan or photograph of the existing images you like and then cut around the shapes with this function.

**Step 1** Use a pen to make 4 small marks around the image you want to cut which will be used as the registration marks to align the laser to when we are going to cut it out. Each mark should designate a corner of an imaginary box around the image you want to cut.

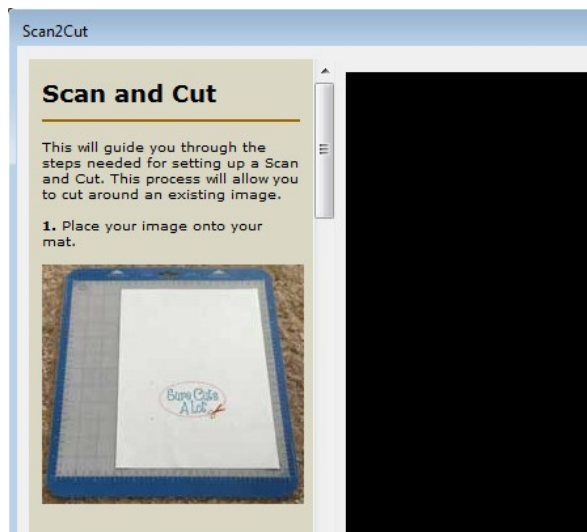


**Step 2** Capture the image using your scanner or digital camera.

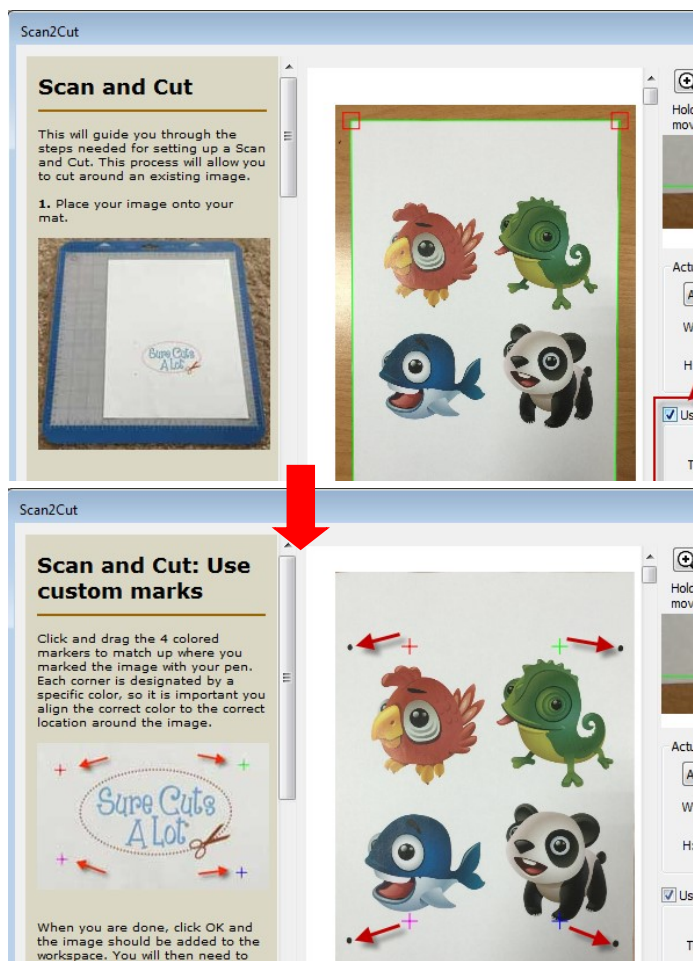
**Step 3** Select Scan2Cut under File.



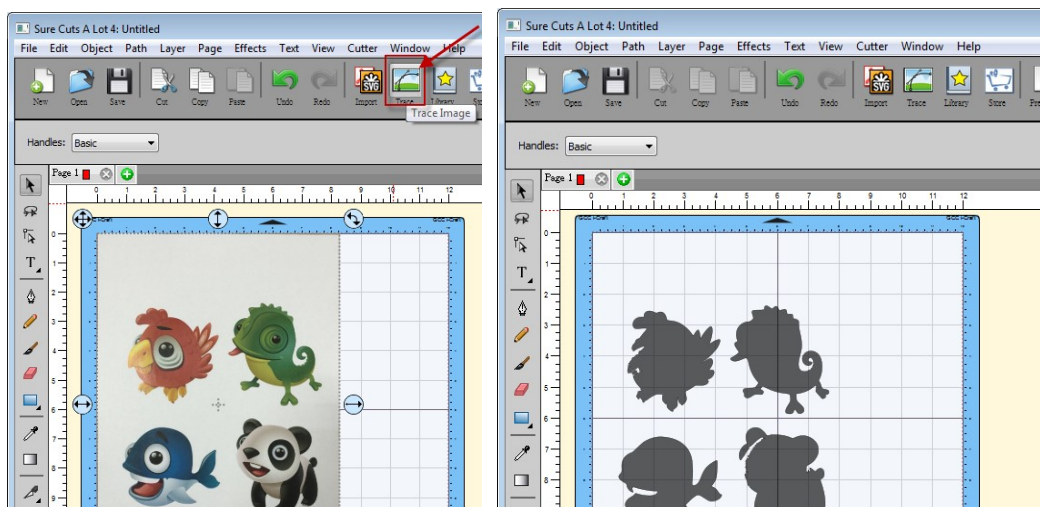
**Step 4** Click “Load Image...” button to load the image you captured.



**Step 5** After checking “Use custom marks” checkbox, click and drag the 4 marks to 4 red squares to the material, and then click “OK.” Please make sure 4 marks right on the 4 corners.

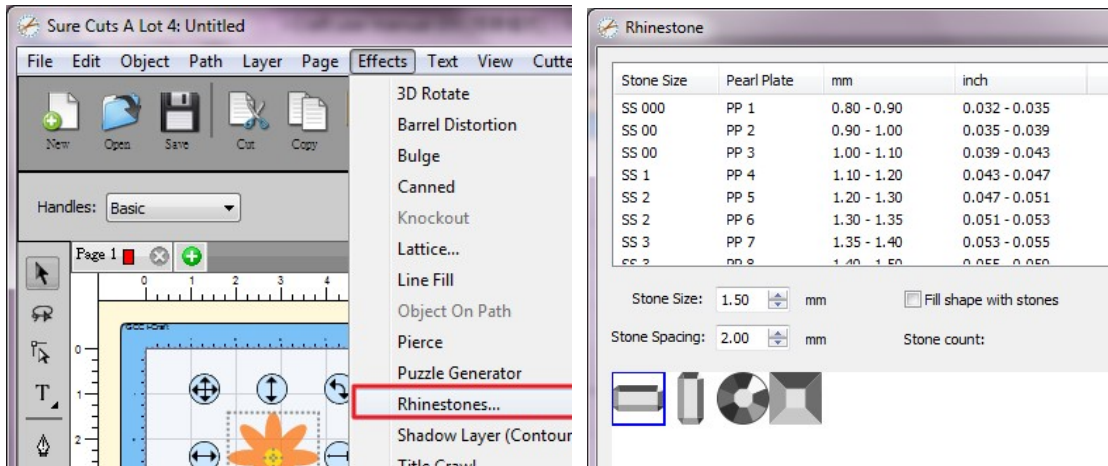


**Step 6** Trace image and cut. (section 3.3.5)



### 3.6.4 Rhinestones

"Sure Cuts A Lot" can create rhinestone templates. You will need to select an object on the mat, and then choose "Rhinestones" from under the "Effect" menu to bring up the Rhinestone window shown below.



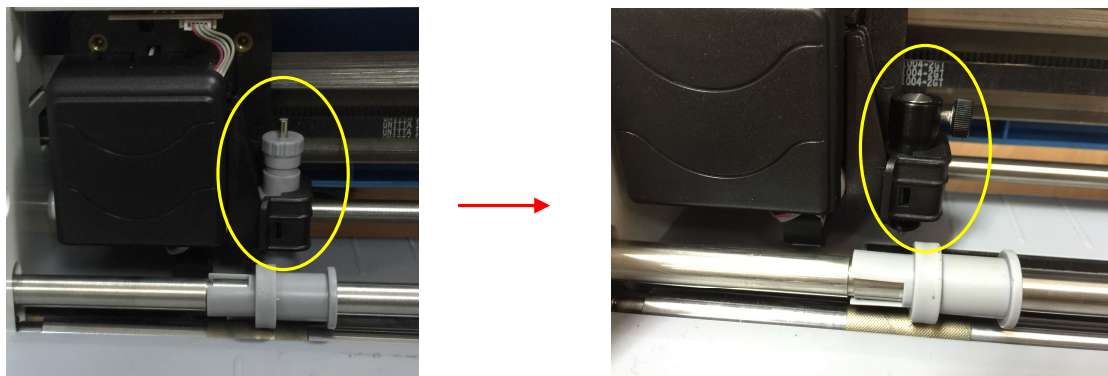
### 3.6.5 Engraving Tip Applications (Optional Items)

If you buy Engraving Tip Set, please refer the instruction below.

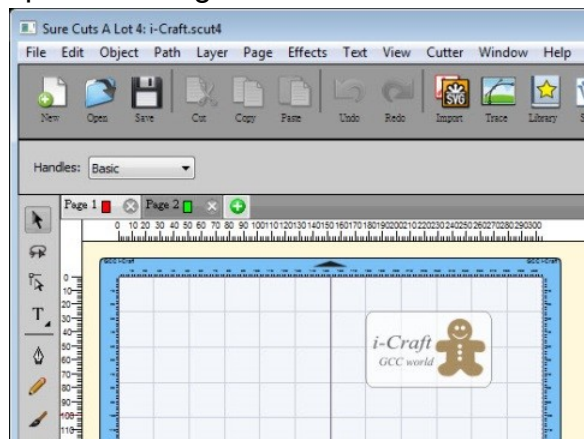
**Step 1** Put the engraving tip into the tool holder.



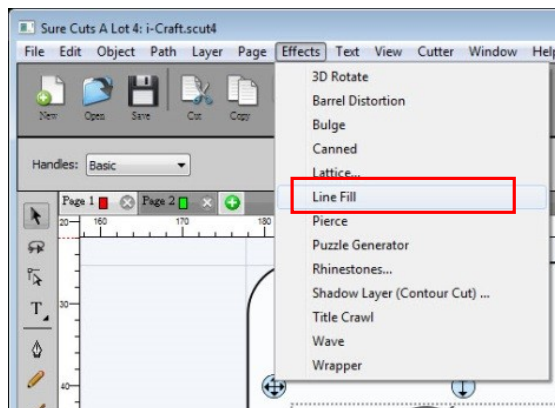
**Step 2** Replace the original blade holder with the tool holder.



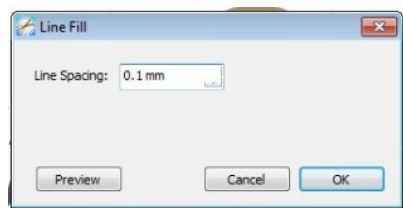
**Step 3** Import the image.



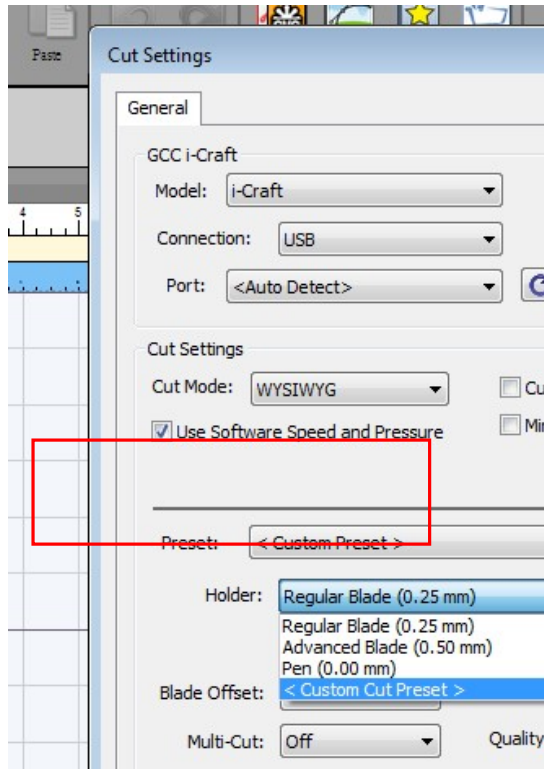
**Step 4** Select "Line Fill" under Effects. (The function is available for SCA4.)



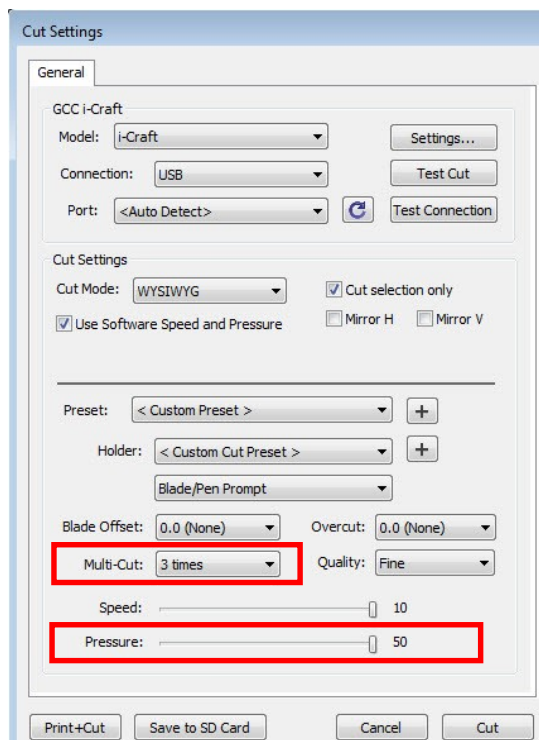
**Step 5** Set the value of Line Spacing.



**Step 6** Select Cutter icon on the toolbar, and select Holder to set offset.  
When using the engraving tip, select Advanced Blade; when using the color pen, select Pen.



**Step 7** When using the engraving tip, setting Multi-Cut as 3 times and Pressure as 50 is recommended.



Sample of engraving tip

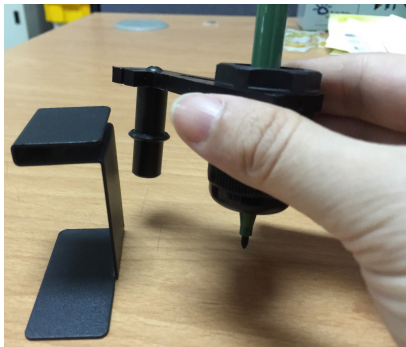
### 3.6.6 Color Pen Applications (Optional Items)

If you buy Color Pen Holder Assembly, please refer the instruction below.

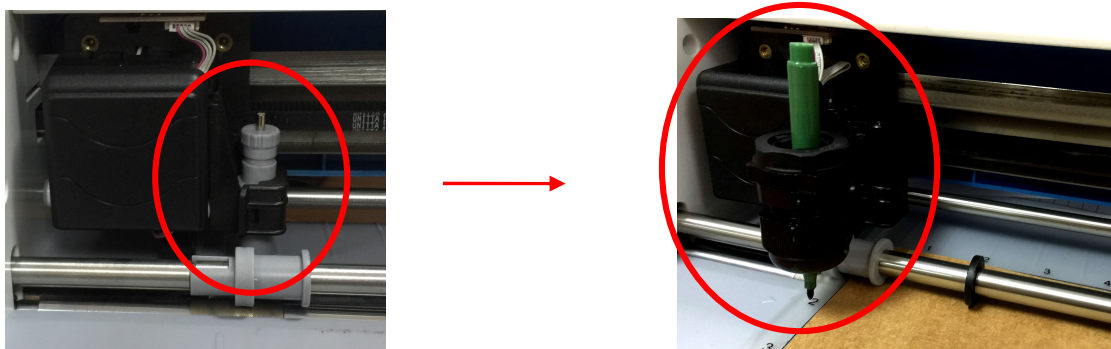
**Step 1** Put the color pen or pen (pen diameter between 8-14mm) into the pen holder, make sure the pen tip touch the base. And then push the pen top, tighten the pen holder simultaneously.



**Step 2** Remove the pen holder from the base.



**Step 3** Replace the original blade holder with the pen holder.

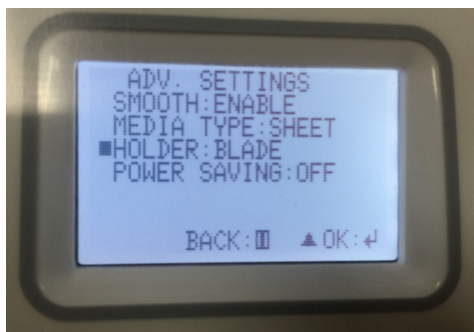




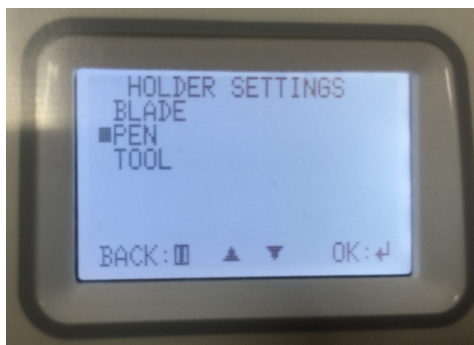
**Step 4** Select “ADV. SETTINGS” under main menu on the control panel.



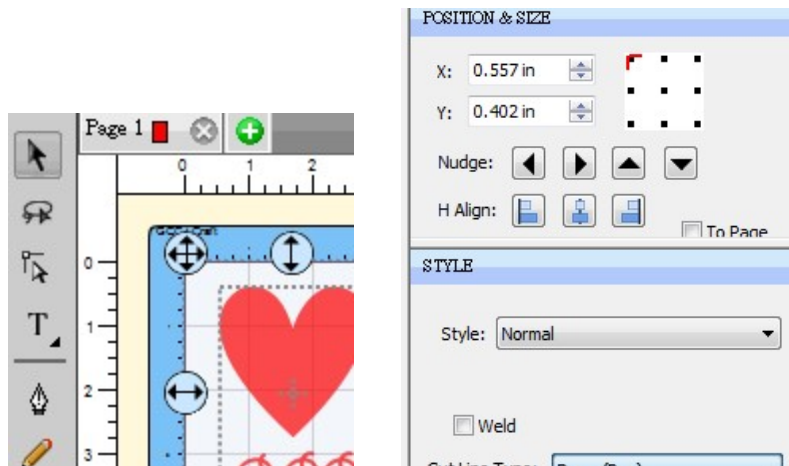
**Step 5** Select “HOLDER: BLADE.”



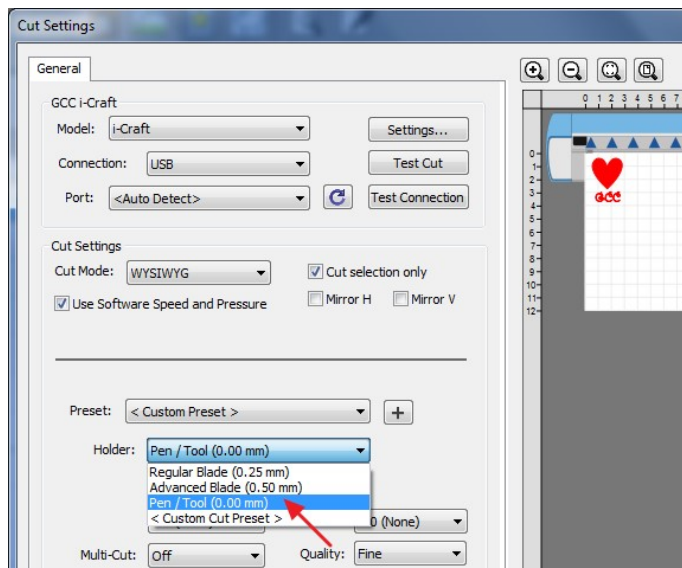
**Step 6** Select “PEN,” and the adhesive sheet will move back 2 inches. The origin is at the correct position.



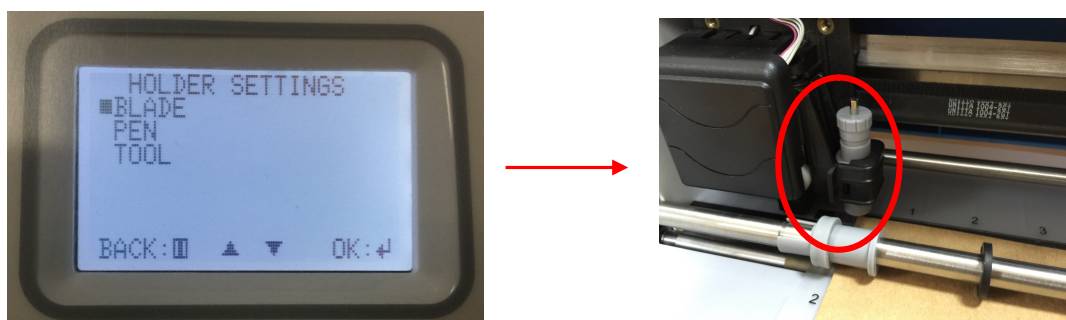
**Step 7** Select the object you want to draw with selection tool, and then select Cut Line Type as “Draw (Pen)” in the STYLE column.



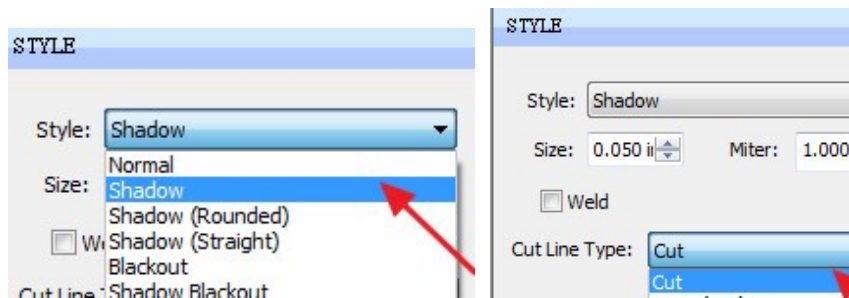
**Step 8** Select “Pen / Tool (0.00 mm)” under Holder menu in the Cut Settings window, and click “Cut” to draw.



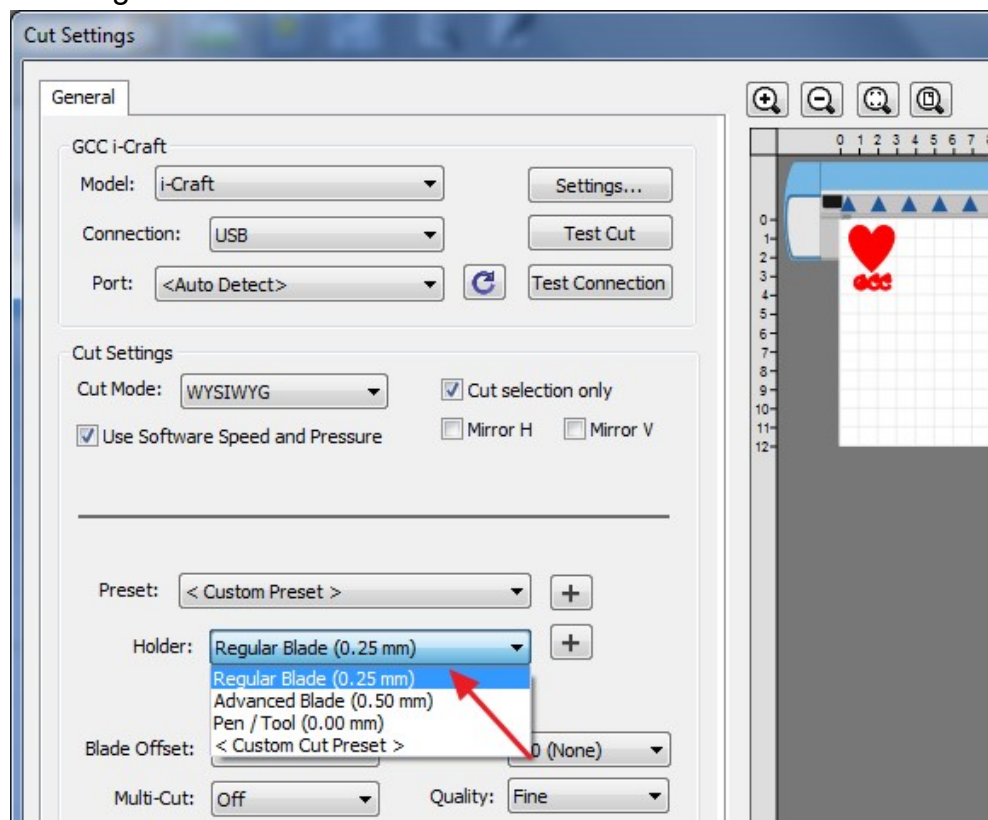
**Step 9** When i-Craft™ finishes drawing, select “BLADE” under Holder settings on the control panel, replace the pen holder with the original blade holder, and you can cut the drawing off



**Step 10** Select “Shadow” under Style menu if you need, and select “Cut” under Cut Line Type menu. The cut line will keep a short distance with your draw.



**Step 11** Select “Regular Blade (0.25mm)” under Holder menu in the Cut Settings window and click “Cut”.

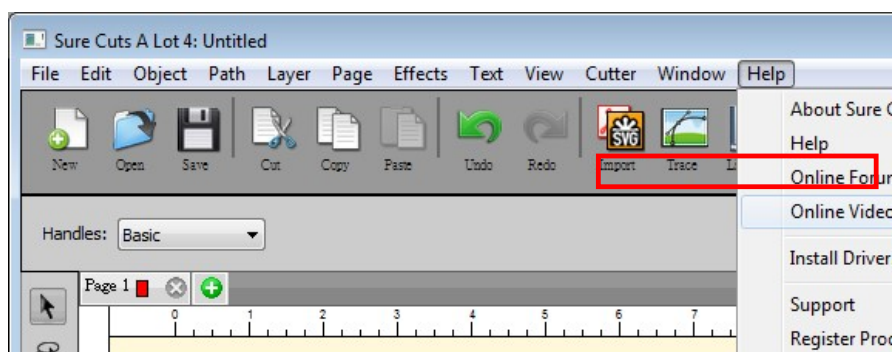


### 3.7 Online Video Tutorials

There are online video tutorials show you how to use Sure Cuts A Lot software via <http://www.craftedgedge.com/tutorials/> or check the Help function.

More project video tutorials shows you how to design and output a real job also

can be found at <http://www.gccworld.com/goods.php?act=view&no=63> .

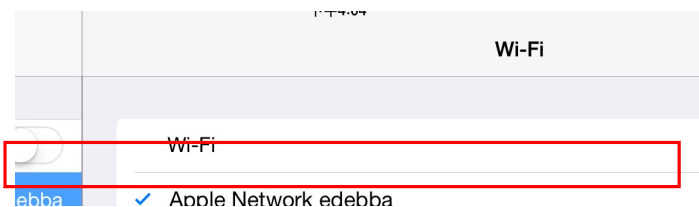


### 3.8 Cut with i-Craft™ through Tablet

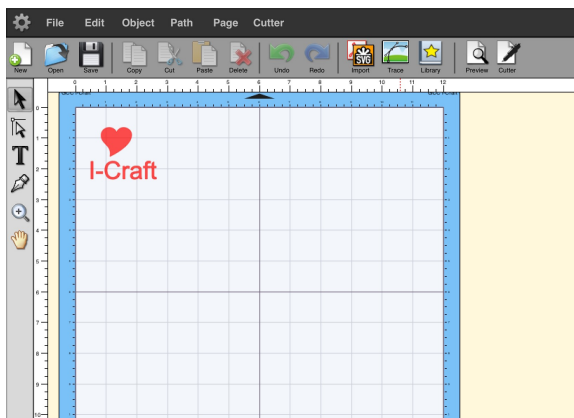
There are basic instructions of Sure Cut A Lot below. If you need detailed instruction, please refer to Sure Cuts A Lot iPad Help. You could refer instructions of SCA PC version, but maybe not all the functions could be executed on the tablet.

**Step 1** Download and install the app “Sure Cuts A Lot” on Apple Store.

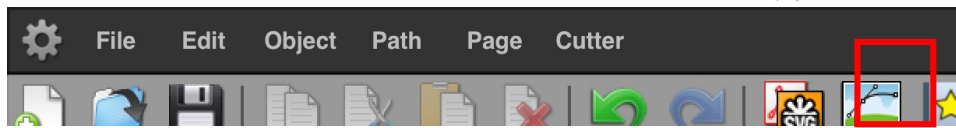
**Step 2** Turn on Wi-Fi you set on AirPort Express™.



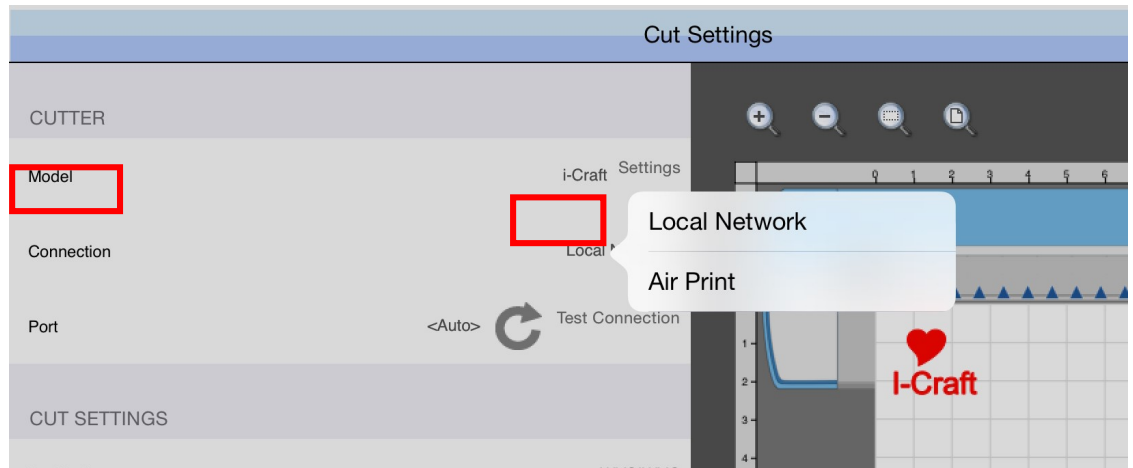
**Step 3** Open the app “Sure Cuts A Lot” and import an image.



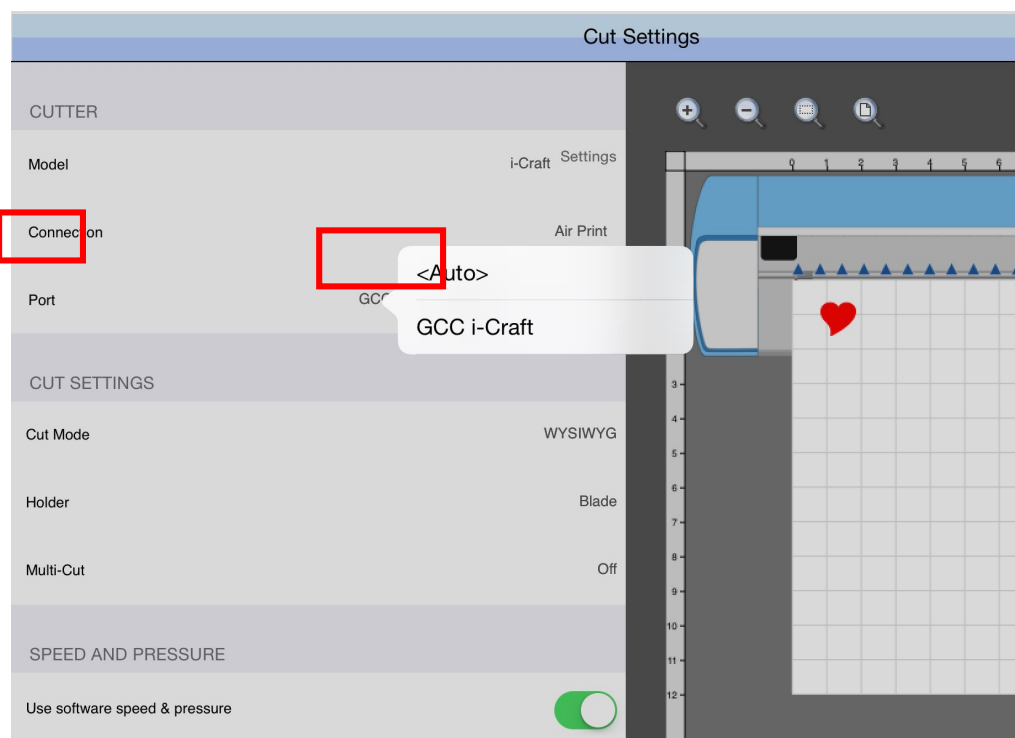
**Step 4** Click on the “Cutter” icon on the toolbar.



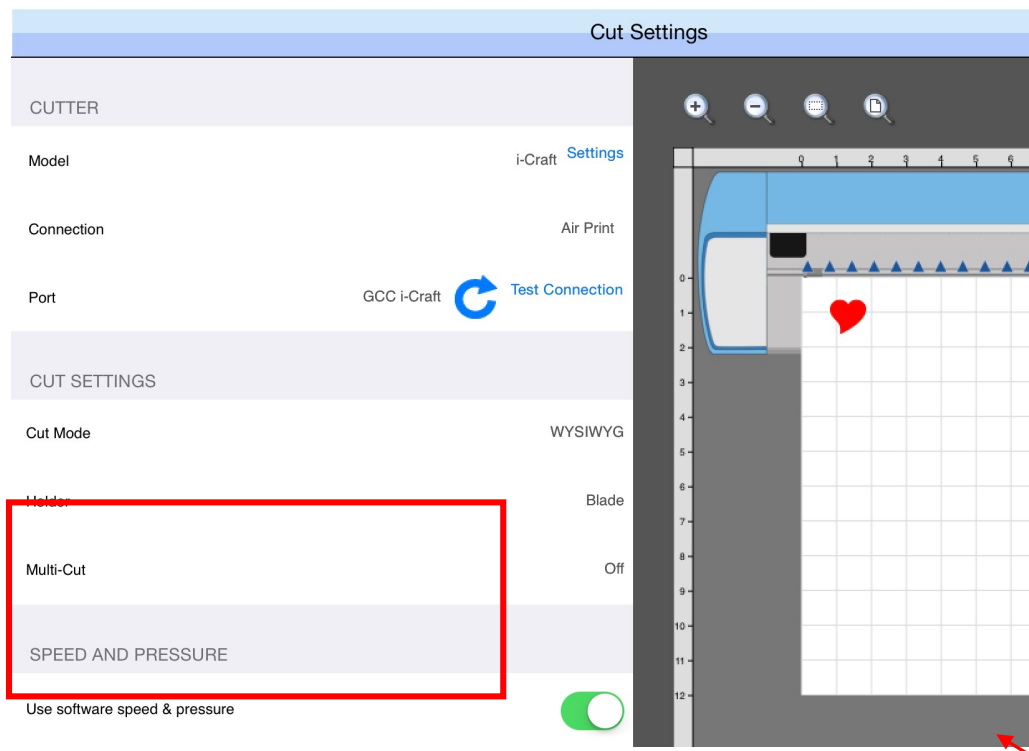
**Step 5** Click on the “Connection” option in Cut Settings, and then select “Air Print.”



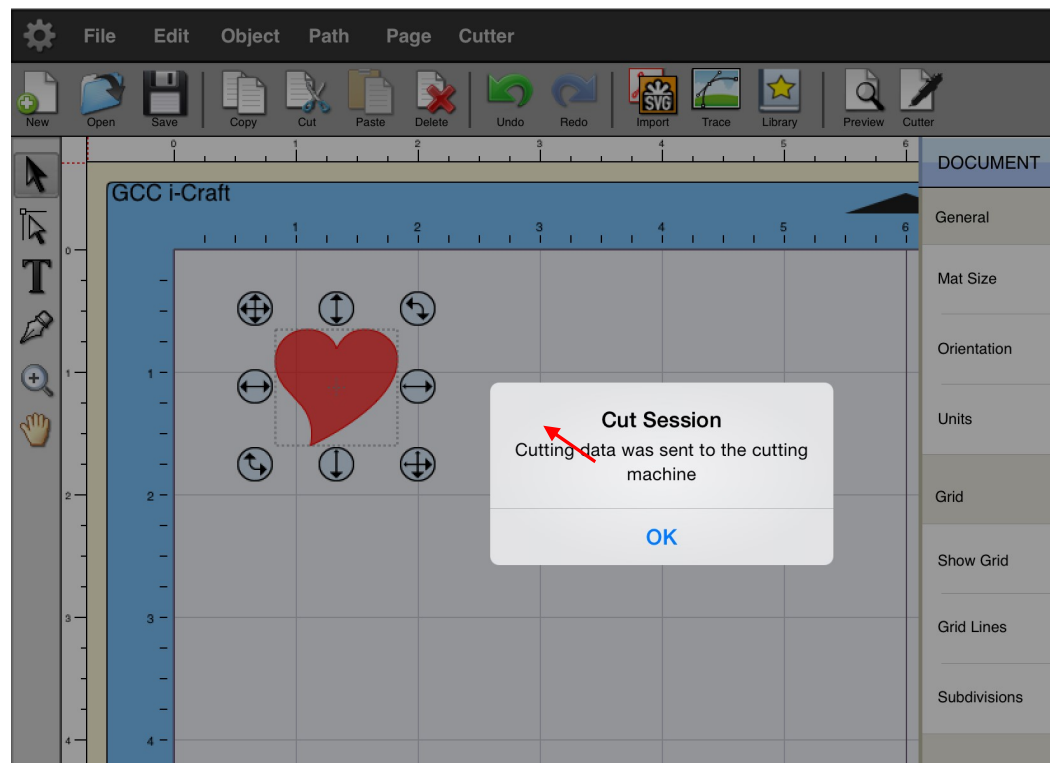
**Step 6** Click on the “Port” option, and then select “GCC i-Craft.”



**Step 7** Adjust Speed and Pressure, and then click on “Cut.”



**Step 8** Please wait for the cutting data sent to i-Craft™ about 30 seconds, press OK, and then i-Craft™ start to cut.



## 4. Driver Installation and Operation

The portable cutting plotter communicates with a computer through a **USB (Universal Serial Bus)**. This chapter shows you how to connect the scrapbook cutter to a host computer with your familiar graphic design software such as CorelDRAW, and Adobe Illustrator via GCC driver, and illustrate how to set up the computer and scrapbook cutter interconnection.

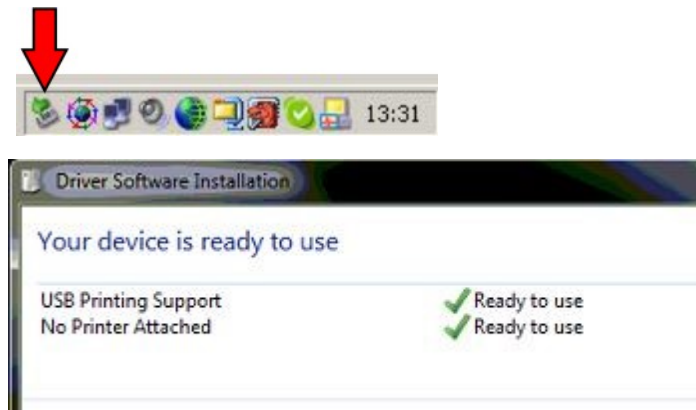
### **Caution!!**

- ✓ **If you are using Windows 7 and above as your operating system, make sure you log in using the “Administrator” account.**

### 4.1 Driver Installation

**Step 1** Connect to the machine.

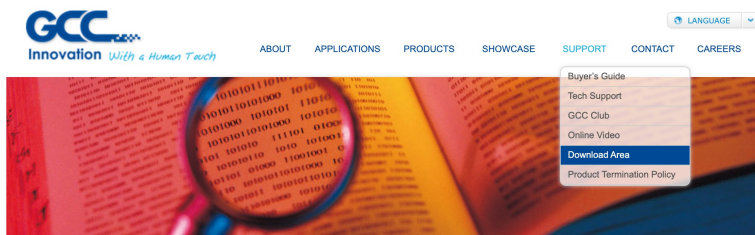
1. Turn on the machine.
2. Connect the USB cable to the machine, and double-click on the USB icon on the taskbar to make sure the USB device is detected.



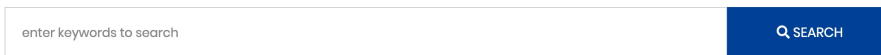
**Step 2** Press Feed/ Eject button  to be ready for driver installation.



**Step 3** Visit GCC website and go to “SUPPORT” page to download the user manual, driver and software (<https://www.gccworldnew.com/download.php>).



## Download Area



### Or browse by machine model





## Vinyl Cutter

Vinyl Cutter



i-Craft™ 2.0



AR-24



Expert II



Puma IV

### Driver

Title

Size

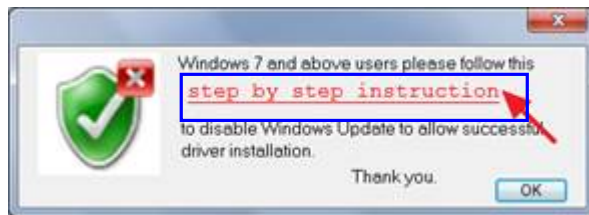
Download

Cutter\_Plotter i-Craft driver\_v1.07-01

9.5MB

Download

**Step 4** The installation will take few minutes to complete, and then you will see a message below. 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.



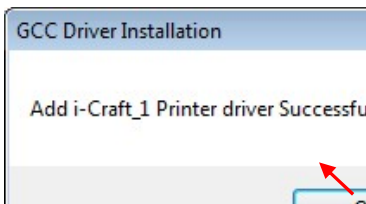
**Step 5** Make sure the cutter is powered on and connected to the USB device again, and then click OK.



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



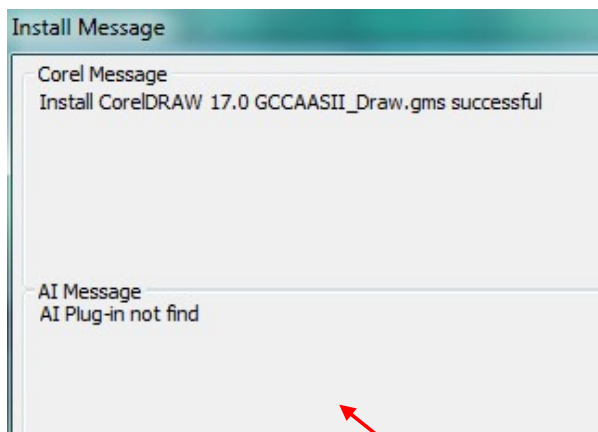
**Step 7** Add i-Craft™ driver successfully, click OK to next step.



**Step 8** If users want to install AASII VBA on CorelDRAW and Adobe Illustrator, exit CorelDRAW and Adobe Illustrator program, and then click on “Install.”



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



**Step 10** The driver installation is complete.

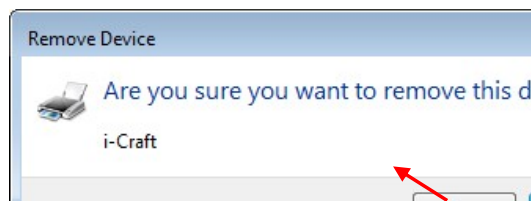
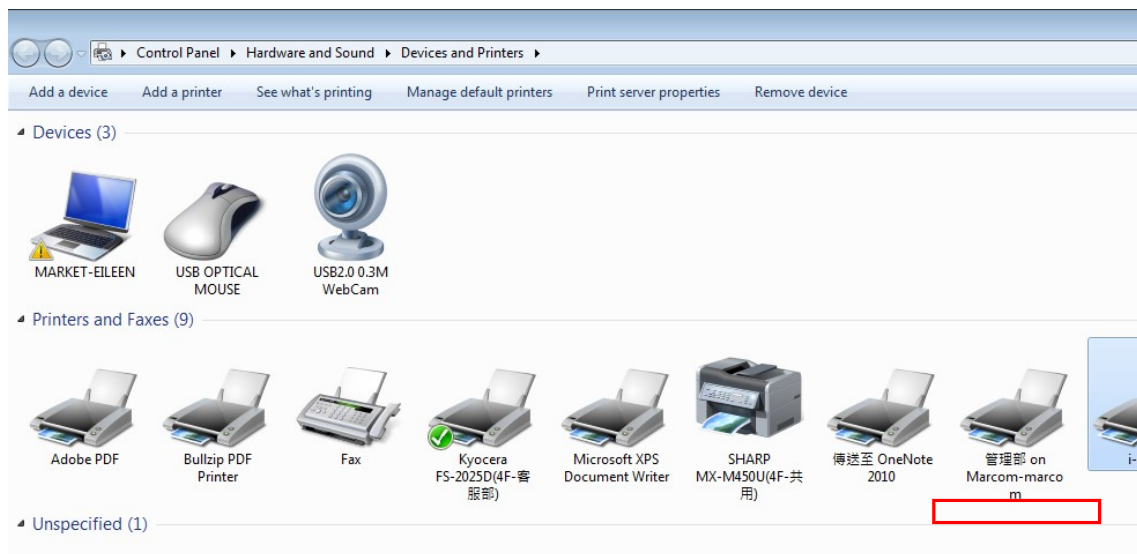
**Note**

- ✓ AASII VBA is a CorelDRAW and Adobe Illustrator plug-in for contouring printed images to get better cutting result if you choose to output graphic file through GCC driver.
- ✓ If the driver is being installed for 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.

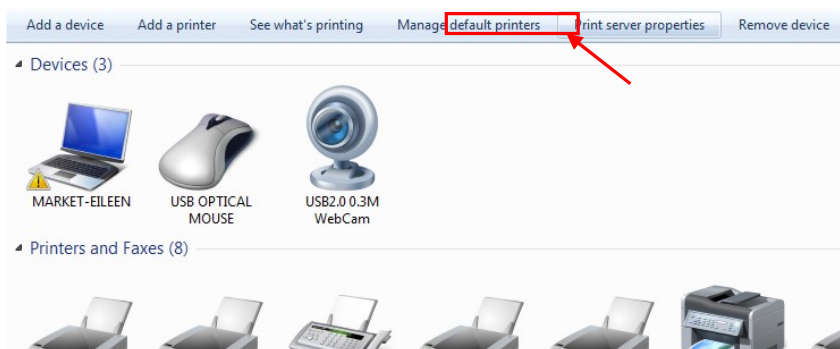
## 4.2 Driver Un-installation

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.

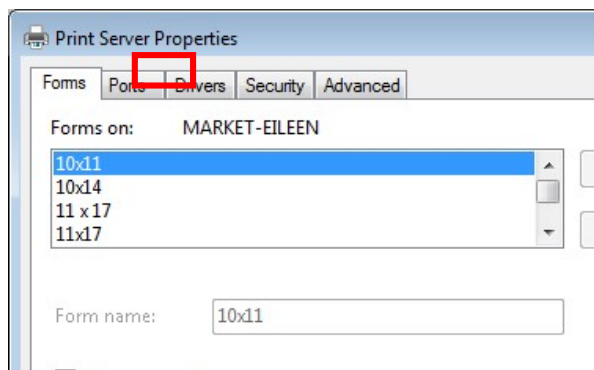
**Step 1** Go to Control Panel\Hardware and Sound\Devices and Printers window.  
**Right click** the printer and select “Remove device.”



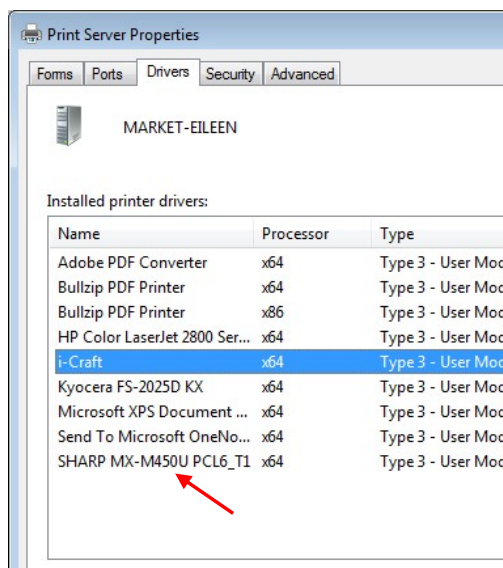
**Step 2** After removing the unit, click on any printer on the page and select “Print server properties.” (Win 7 and above)  
Or right click on blank space and then select “Print server properties.” (For Windows XP)



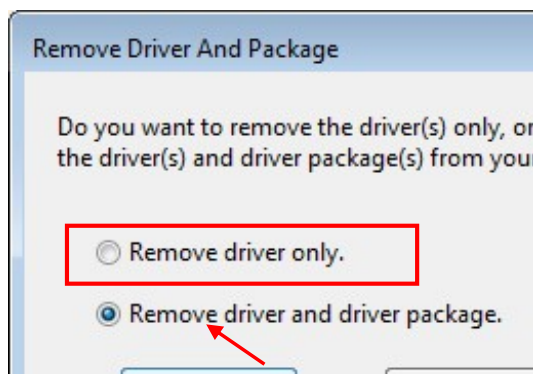
**Step 3** Select “Driver” page



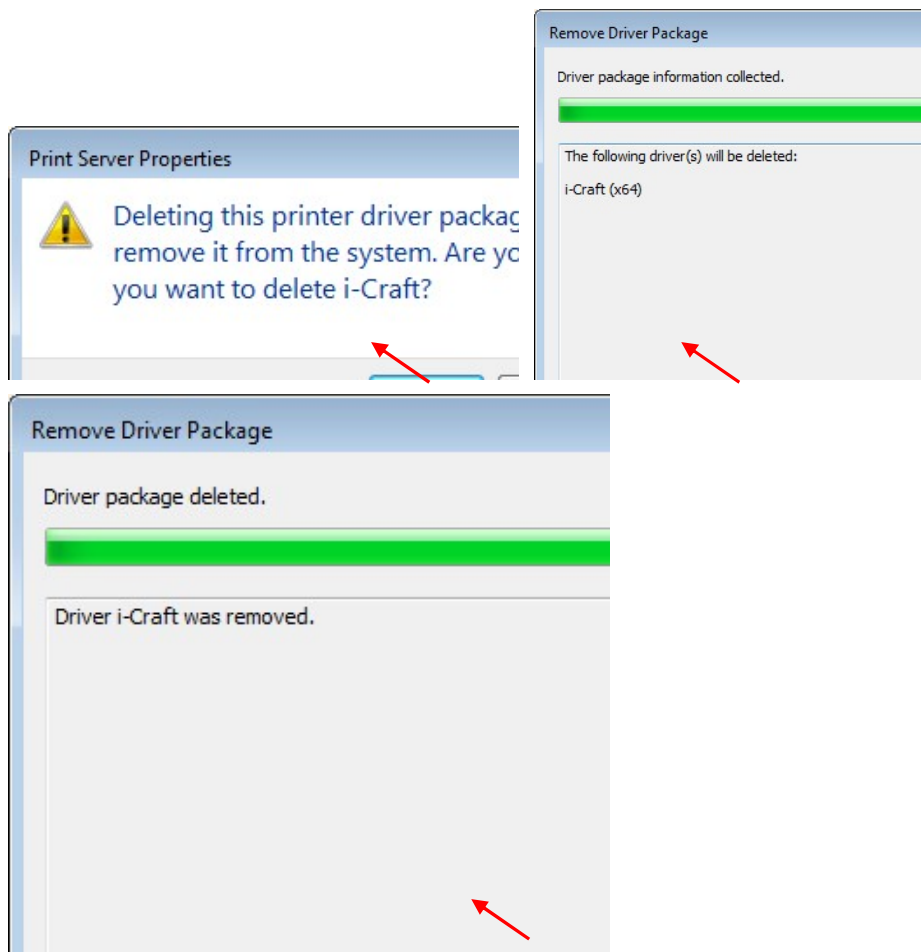
**Step 4** Select the model and click on “Remove”.



**Step 5** Select “Remove driver and driver package” and click OK.



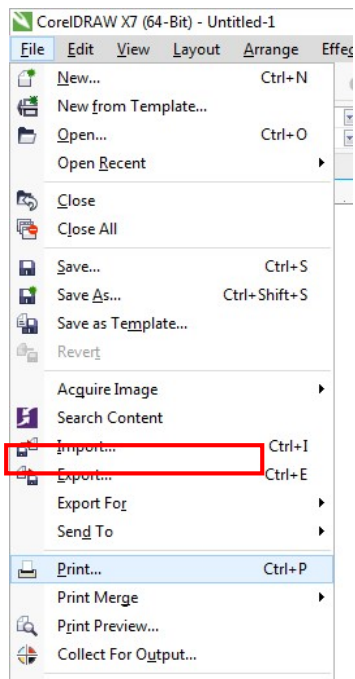
**Step 6** Click Yes and then click “Delete” and “OK,” and the driver installed on PC is completely removed.



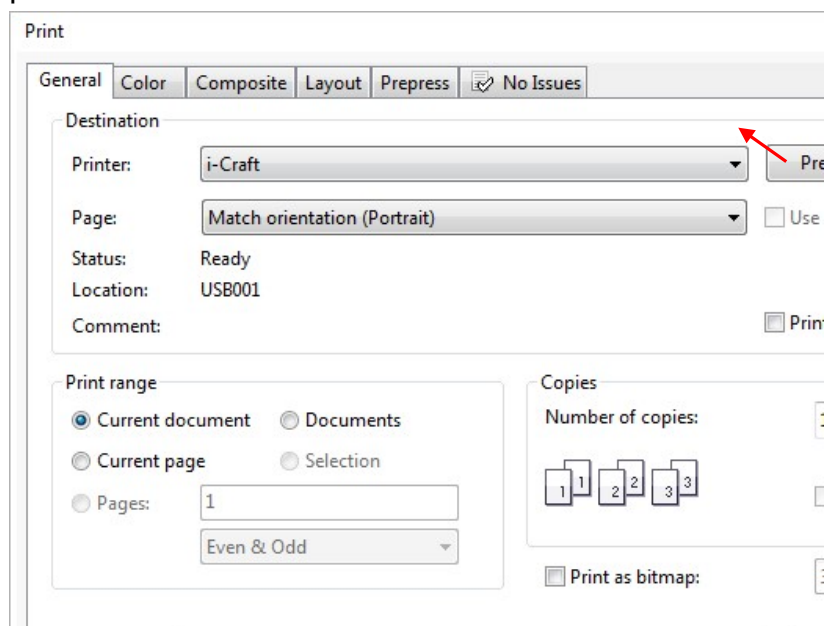
## 4.3 Driver Operation

Cutting in Application Programs  
(CorelDRAW as an illustration)

**Step 1** Select “Print...” under File in application program to cut image.



**Step 2** Select Printer as i-Craft and click on “Preferences...” to set cutting parameters.



**Step3** Select media and advanced setting to set cutting parameters. You can save, import, and delete the parameters if you want.



**Select Media:** Click on the material that is used.

**Media Size:** Select a proper size or you may click on the pencil to edit the media size you need.

**Overcut:** Use the drop down menu to turn on/off the function.

**Diecut:** Use the drop down menu to turn on/off the function.

**Scale:** Set a proper value to adjust the ratio of a graphic.

**Repeat:** Set a proper value to adjust the number of copies of a graphic.



On Advanced Settings page, users may adjust values of speed, pressure, quality, overcut and die cut if needed. Click “Save as” to save the changes as parameter copy for later use, or click save to overwrite current parameter settings.



**Reset to Default:** to reset the parameter settings of the selected media to default value.

**Tool Select:** set the tool that corresponds to what is used. The options include standard blade, advanced blade and pen.

**Quality:** associated with the cutting result; please note the better cutting quality, the slower cutting speed.

**Cut Test:** to perform test cutting to check if the settings need to be adjusted.

**Overcut:** allows for easier weeding and makes up for incomplete cut lines.

**Die Cut:** to cut through the backing of the material.

#### **4.4 Contouring Printed Image via Application Software**

Please refer to section 6.3 & 6.4 for contour cutting instruction via CorelDRAW and Adobe Illustrator AAS plug-in.

## 5. Use USB Drive with i-Craft™

i-Craft™ supports most USB Drive. Please store files in **.plt** format to USB Drive so that i-Craft™ can recognize the files.

Below are the USB flash drives we've tested with GCC i-Craft™, we recommend you to select one of the brands with FAT32 or FAT16 format, other configurations may have compatible issues.

Brand	Memory Size	Format
HP	16GB	FAT32
SanDisk	16GB	FAT32
PNY	8GB	FAT32
Kingston	8GB	FAT32
Kingston	16GB	FAT32
Transcend	4GB	FAT32
Transcend	16GB	FAT32
Transcend	16GB	FAT32
ADATA	8GB	FAT32
ADATA	32GB	FAT32

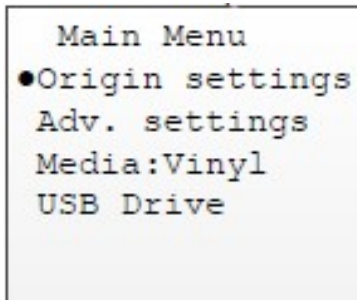
### 5.1 Read an USB Drive in i-Craft™

Insert your USB Drive into the slot while i-Craft™ is powered on, and load the media into i-Craft™.



### 5.2 USB Drive Settings

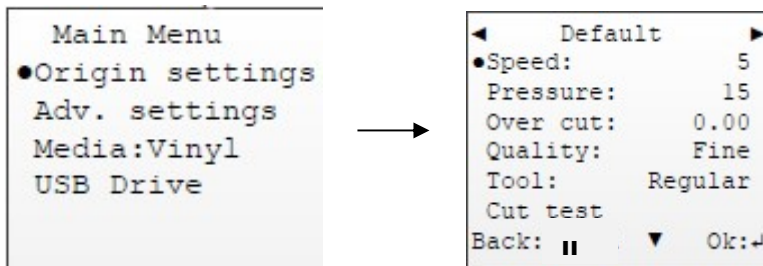
The “Origin settings”, “Advanced settings”, “Media”, and “USB Drive” options will show on LCD screen, press Up or Down arrow key on the control panel to move the bullet point and press Enter key to enter settings menu.



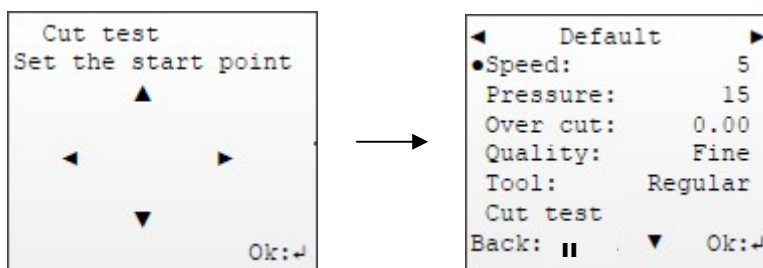
### 5.2.1 How to Cut a Shape via USB Drive

**Step 1** Prepare a material you want to cut.

**Step 2** Go to main menu on the LCM and press Right or Left arrow key to select the material that you want to use. The options include vinyl, cardstock, flocked heat transfer, printable tattoo paper and magnet (vinyl will be used as an example here). The according default parameter value is listed under every material.



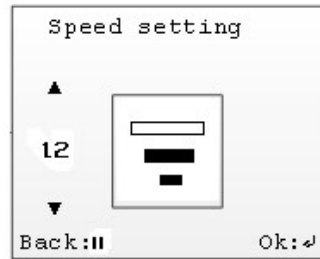
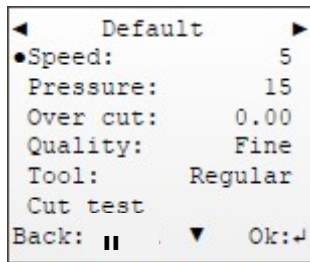
**Step 3** Run cut test to check if the parameter settings need to be adjusted. To start a cut test, move the bullet point to Cut test and press Enter key, the settings will show as below. Use 4 arrow keys to set the position that you want to start with, and press Enter to process the cut test. You may press Pause Ⓜ to abort the jog while test cutting.



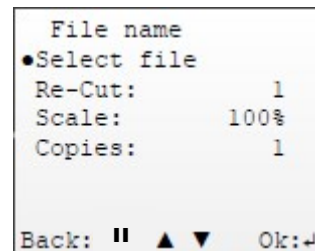
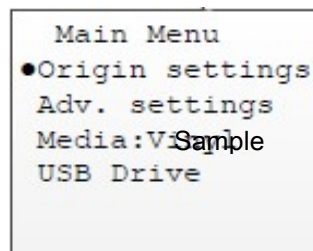
**Step 4** Adjust the settings value if needed. You may use Up or Down arrow key to select the desired media settings and press Enter key to adjust the value. If you want to abort the changes, press Pause key to go back to





upper page (Speed settings is taken as an example).



**Step 5** Select the file from USB Drive and press Up or Down arrow key to select the desired settings and press Enter key to adjust the value if needed. If you want to abort the changes, press Pause key to go back to upper page.



When the settings is done, press Cut key  on the control panel and i-Craft™ will start to cut, then press Feed/Eject key  to unroll the media.

**Step 6** The cutting job is done.

## 5.3 Menu function

### 5.3.1 Media Menu

Media menu	Function	Settings
Speed	To set or modify tool speed at horizontal moving.	1-10
Pressure	To set or modify the value of pressure that is being cut; make sure the material can be cut through.	1-70
Over Cut	To generate an overcut to facilitate weeding.	0.00mm-1.00mm
Quality	To set or modify cutting quality. While cutting small letter, set as "Fine". While cutting in high speed, set as "Draft". Please note that if you set at a high cutting speed, it may lower its cutting quality.	Draft, Fine
Tool Select	To select the corresponding tool that is installed in carriage.	Regular blade, Advanced blade, Pen
Cut Test	To perform a cutting test at present settings	

### 5.3.2 USB Drive Menu

USB Drive menu	Function	Settings
Select file	To select the file saved in the USB Drive.	N/A
Scale	To scale the image.	25~200%
Re-cut	To perform the same cutting job at current position	1-99
Copies	To duplicate job next to the 1 <sup>st</sup> one	1-99

## 6. Appendix

### 6.1 i-Craft™ Specification

Model	i-Craft™
Operational Method	Roller-Type
Max. Cutting Width	30.5 cm (12")
Max. Cutting Length	up to 1000mm
Max. Media Loading Width	330mm (13")
Max. Media Cutting Width	32 cm (12.48")
Number of Pinch Rollers	2
Acceptable Material Thickness	0.8 mm (0.03")
Cutting Force	5~350 g
Max. Cutting Speed	300 mm/sec (12ips)
Over Cut	Yes
Repeat and Copy	Yes
Offset	0~1.0 mm (with an increase of 0.025 mm)
Memory Buffer	32 MB
Interfaces	USB 2.0 (Full Speed), USB Flash Drive (FAT16 / FAT32)
Mechanical Resolution	0.05 mm
Software Resolution	0.025 mm
Distance Accuracy	±0.254 mm or ±0.1% of move, whichever is greater
Repeatability	±0.1 mm
Control Panel	LCD panel
Diameter of Blade	2.5 mm
Power Supply	AC adapter, 24V DC (1.67A)
Power Consumption	max 40 watts
Automatic-Aligning System	Completely Automatic Contour Cutting System for print to cut solution

- Compatible with Windows 7 and above & MAC OS X 10.6 and above. (\*Using "Sure Cuts A Lot" software to work with Mac OS.)
- There is no guarantee that all USB flash drive can be read.
- 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.

## 6.2 Material Parameter Setting List

Reference Parameter setting for different materials

MEDIA (thickness)	Card stock (120lb.)	Card stock (250lb.)	Card stock (350lb.)*	Copy paper	Soft magnet (0.2mm)
PRESSURE	14	31	45	14	38
SPEED	3	3	3	5	3
OFFSET	Regular blade (0.25)	Regular blade (0.25)	Optional advanced green blade (0.5)	Regular blade (0.25)	Regular blade (0.25)
MEDIA (thickness)	Heat transfer sheet (0.2mm)	Sign Vinyl (0.18mm)	Flock heat transfer sheet (0.2mm)	Printable tattoo sheet (0.22mm)	-
PRESSURE	21	15	24	27	-
SPEED	5	8	5	5	-
OFFSET	Regular blade (0.25)	Regular blade (0.25)	Regular blade (0.25)	Regular blade (0.25)	-

### Tips

- ✓ Set Multi-Cut as 2 times and replace the standard blade to optional green blade for thick materials application.

### Note

- ✓ The above parameter values are used on GCC certified materials.
- ✓ The parameter values are for reference only, users have to adjust it according to different graphic design.



## 6.3 CorelDRAW AAS Plug-In Instruction

AASII Plug-in is a contour cutting of printed image function to work with graphic software such as CorelDRAW and Adobe Illustrator which is a substitute solution to Sure Cuts A Lot application software.

### Note

- ✓ AASII VBA Installer is applicable for CorelDRAW Version X3-X8

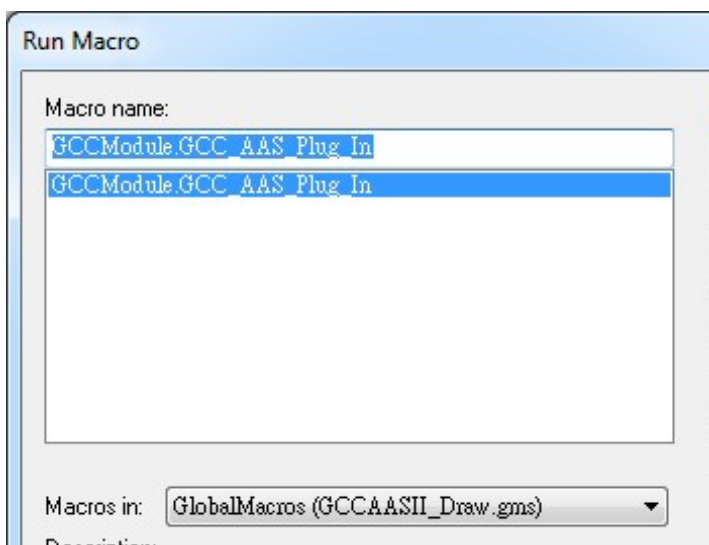
### Installation

Please refer to Step 8 in Section 4.1 Driver Installation to install AAS plug-in for CorelDRAW.

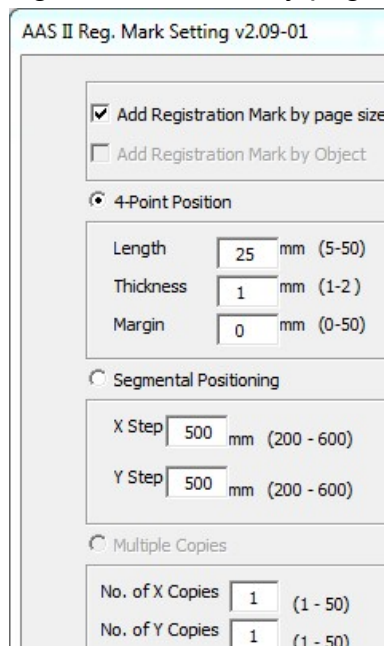
### Run CorelDRAW AAS Plug-in

**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”.



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

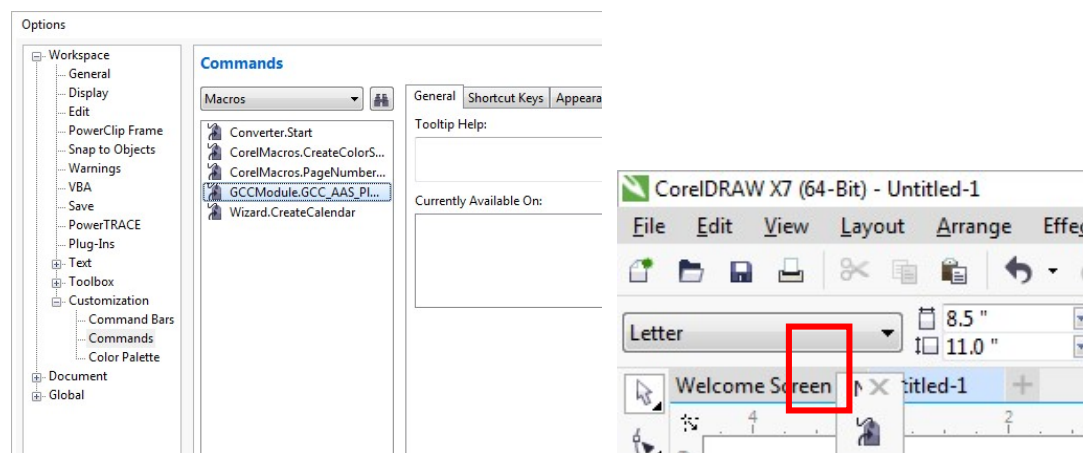


**Step 4** Now you can print out the image file with registration marks.

**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→ Options→ Workspace→ Customization→ Commands→ Macros→ GCCMadual.GCC\_AAS\_Plug\_In” and Click OK.

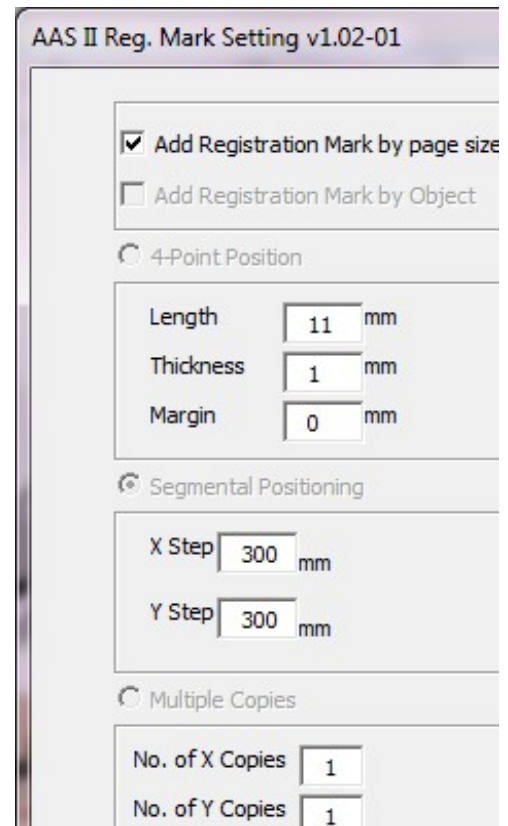


## Add Registration Mark by page size

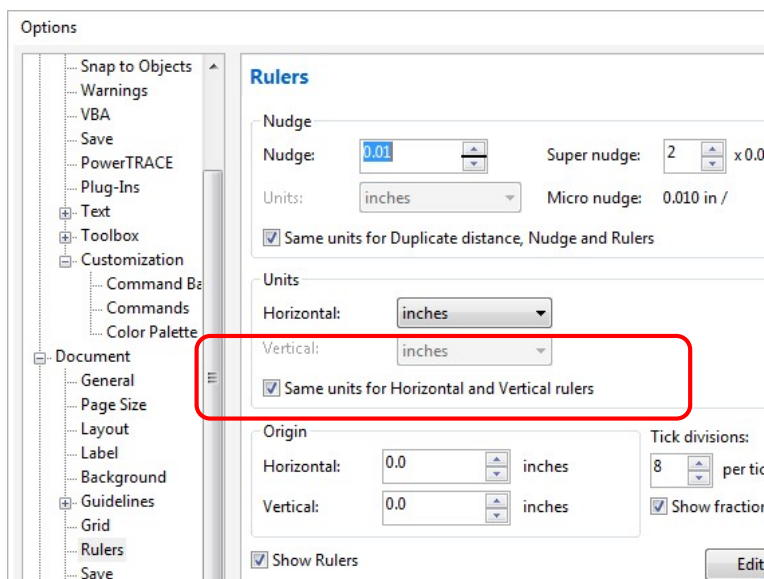
If you tick “Add Registration Mark by page size” as shown in the figure below and click “Apply”, your registration marks will be created automatically (please see Figure A3-1).

**Note:**

1. The length setting will be in the range of 5-25mm according to your page size.
2. Please **DO NOT** make any changes to the “Origin” section when you choose to add registration marks by page size as indicated below otherwise the position of the marks will be changed (please see Figure A3-2).

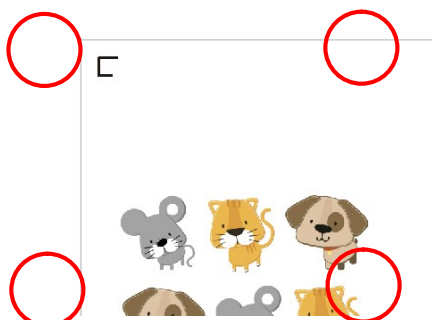


**Figure A3-1**



**Figure 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.



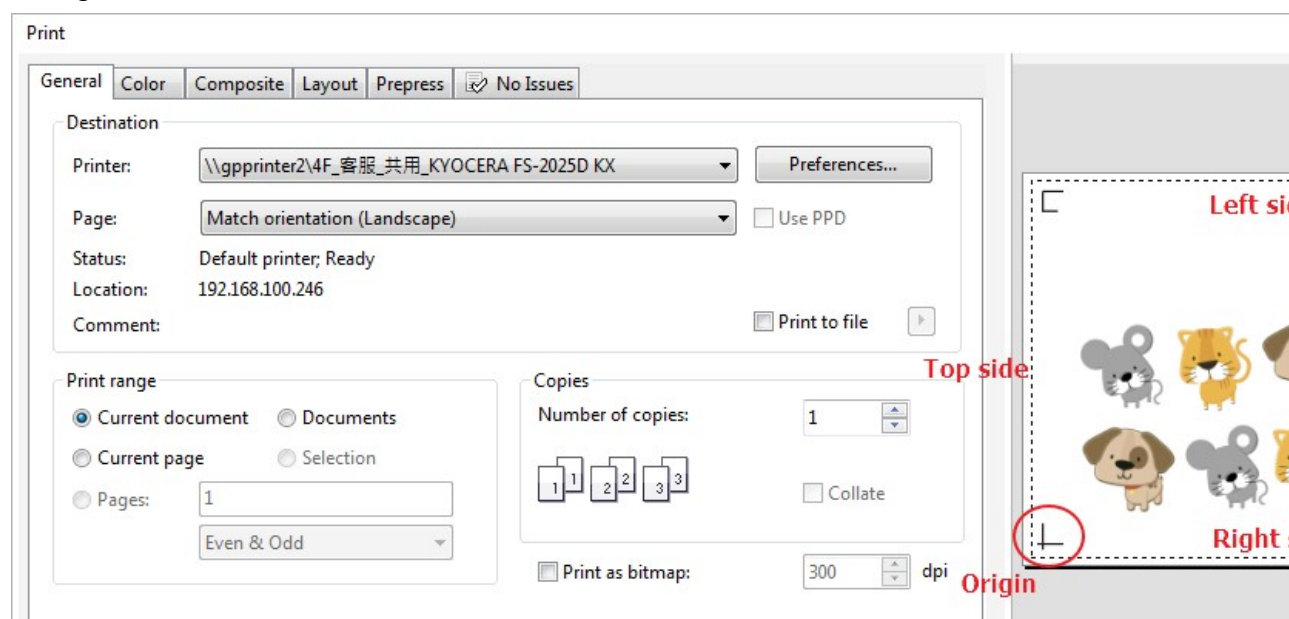
**Figure A3-3**

## Workable area

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

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

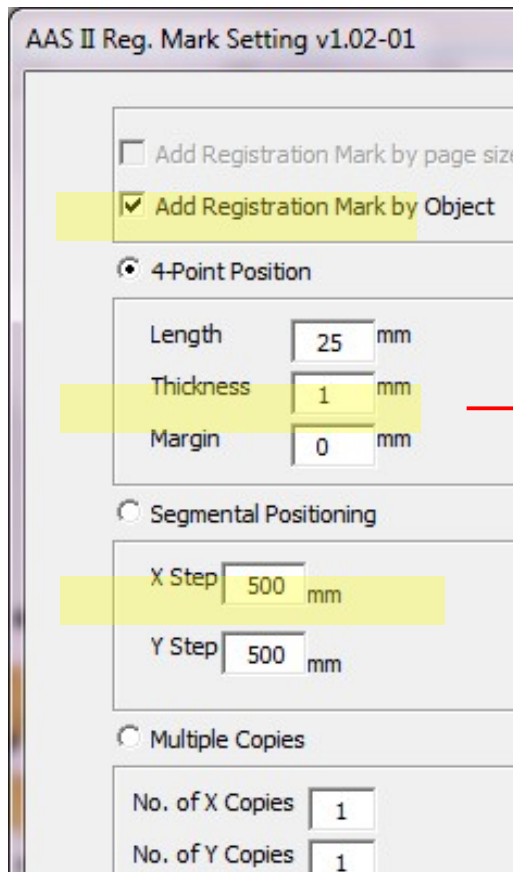
For A3 size media sheet, the workable area is 10mm extended from the registration mark on the left side, 9mm extended from the registration mark on the right side and 11mm extended from the registration mark on top side. On the bottom side, it is suggested to leave at least 25mm margin from the edge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



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

## Add Registration Mark by Object

If you tick “Add Registration Mark by Object”, you will be offered three options of registration marks as shown below.



**Figure A3-4**

### **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

### **Segmental Positioning**

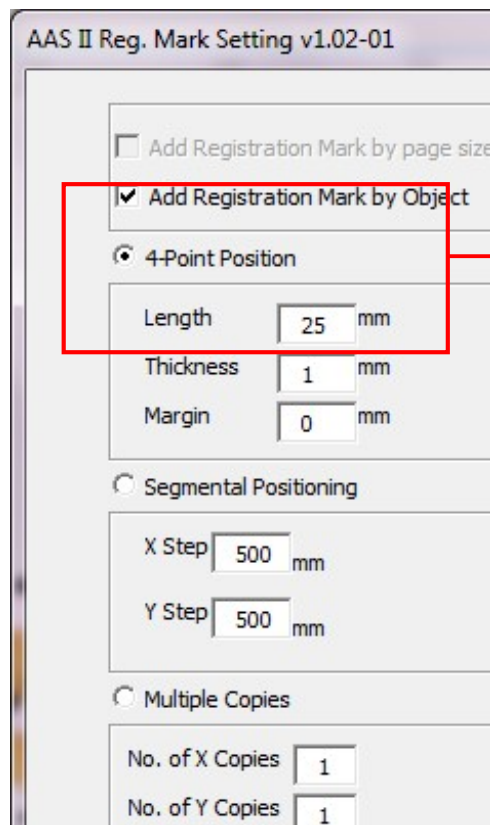
- X Step: The distance of intermediate position on the X axis
- Y Step: The distance of intermediate position on the Y axis  
→ Range: 200mm~600mm  
→ Optimized Setting: Less than 500mm

### **Multiple Copies**

- No. of X Copies: The numbers of copies on X axis
- No. of Y Copies: The numbers of copies on Y axis  
→ Range: 1~50. (The more copies you make, the more time is needed for data transmission.)  
→ 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



### 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

Figure A3-5

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

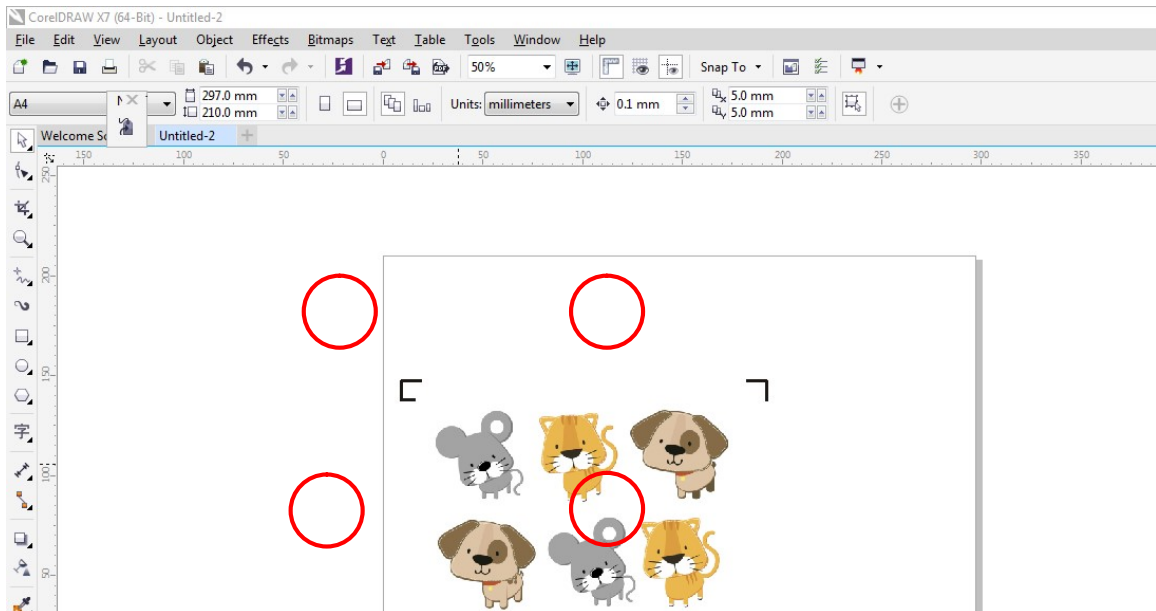
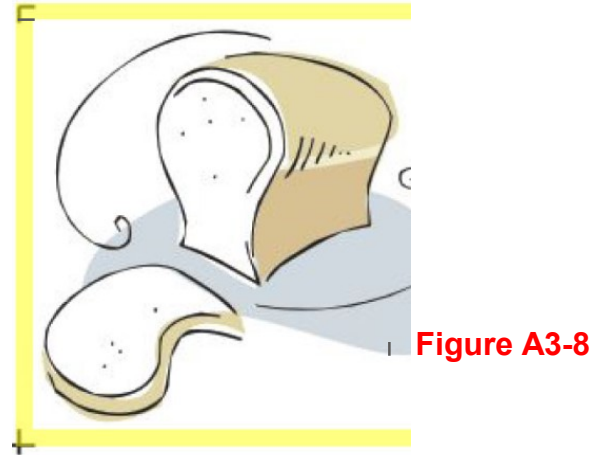
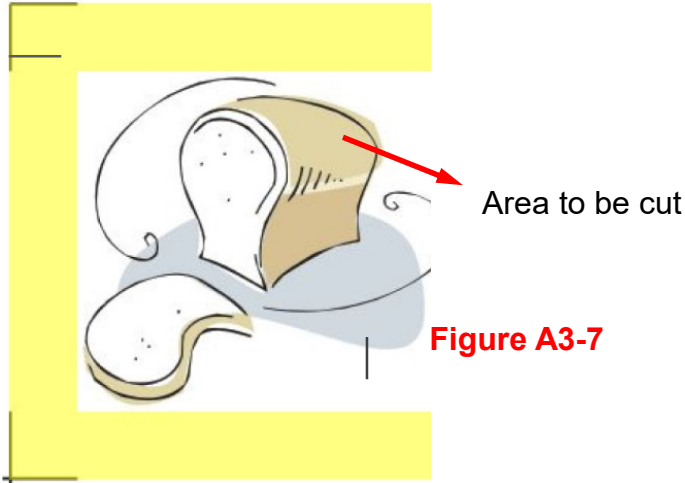


Figure A3-6

**Note:**

1. 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).



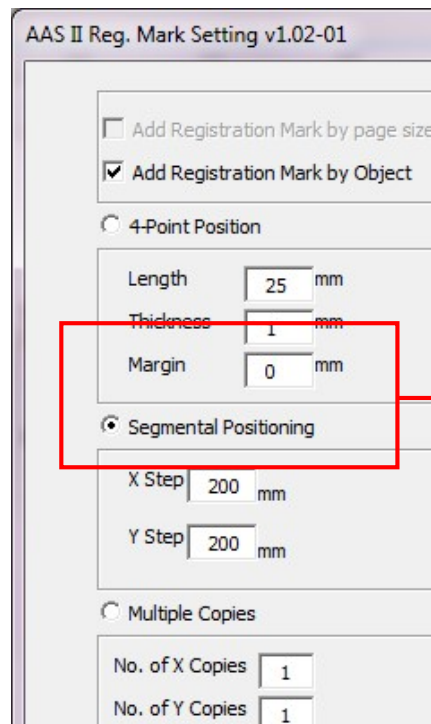
Page size (unit: mm)	Suggested mark length (unit: mm)
A6 (105 x 148)	5
A5 (148 x 210)	8
A4 (210 x 297)	11
A3 (297 x 420)	16
A2 (420 x 594)	23
A1 (594 x 841) and above	25*

**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

Figure A3-9

The system will create the as shown in the picture below

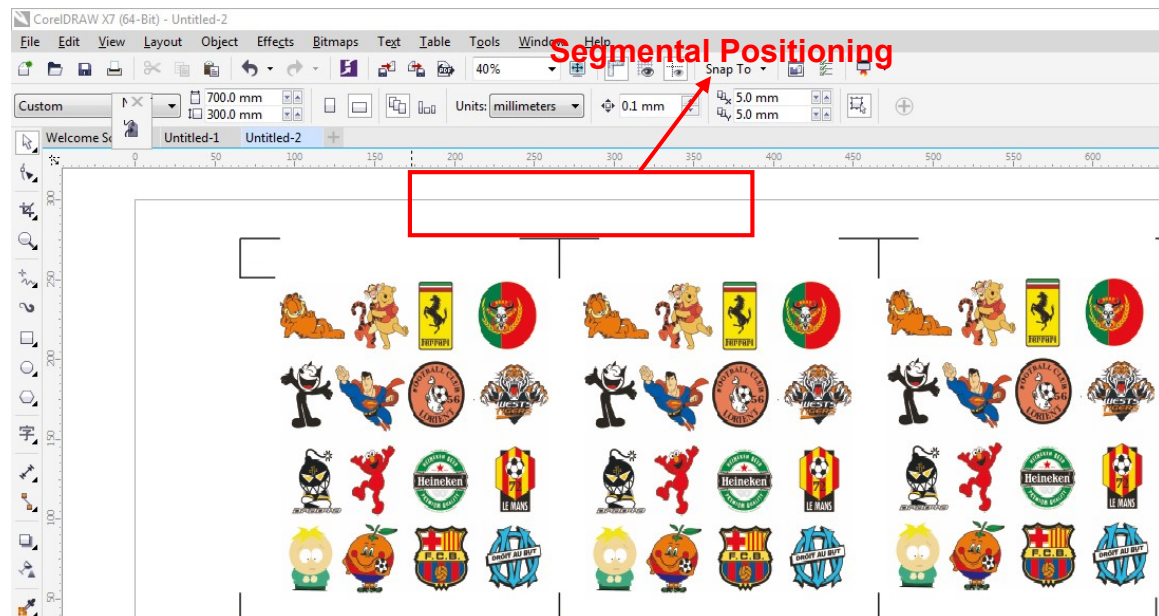


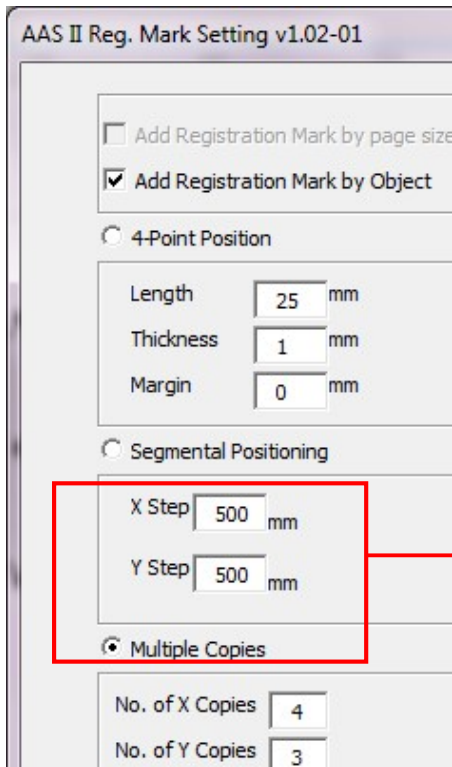
Figure A3-10

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



## Multiple Copies

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



### Multiple Copies

- No. of X Copies: The numbers of copies on X axis
- No. of Y Copies: The numbers of copies on Y axis
  - Range: 1~50. (The more copies you make, the more time is needed for data transmission.)
  - Numbers of X Copies \* Numbers of Y Copies = The total amount of image copies
- Copies with outline : To show outlines of image graphics

Figure A3-11

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

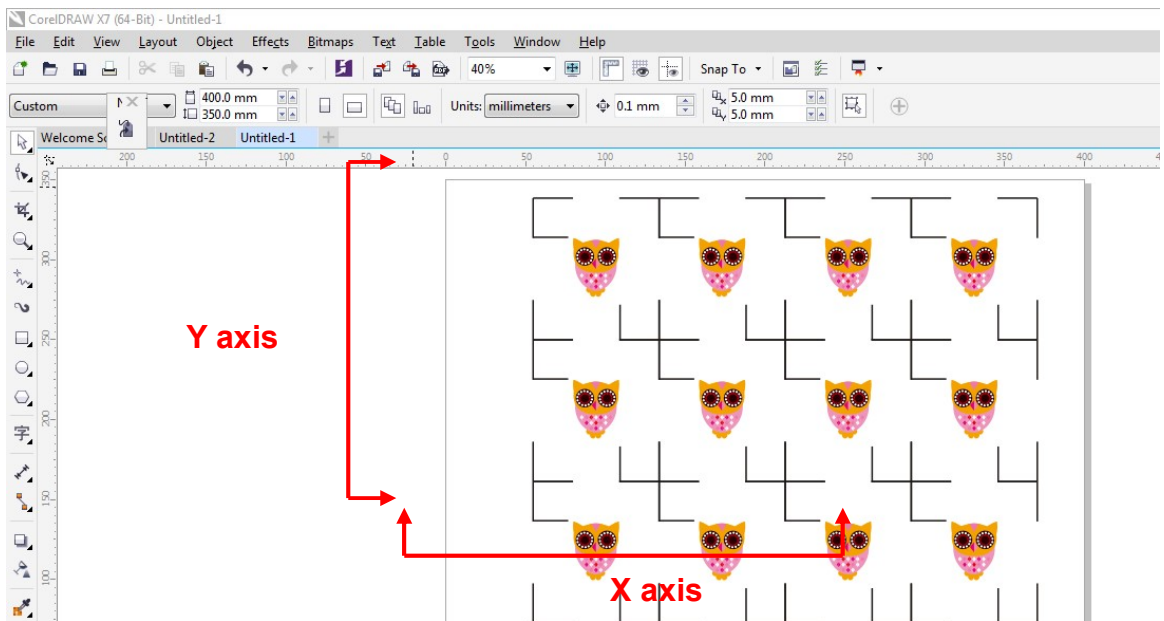


Figure A3-12

## Contour cutting through CorelDraw

**Step 1** Position the paper with registration marks printed by your printer on the GCC cutter.

**Step 2** Select “Files→Print”.

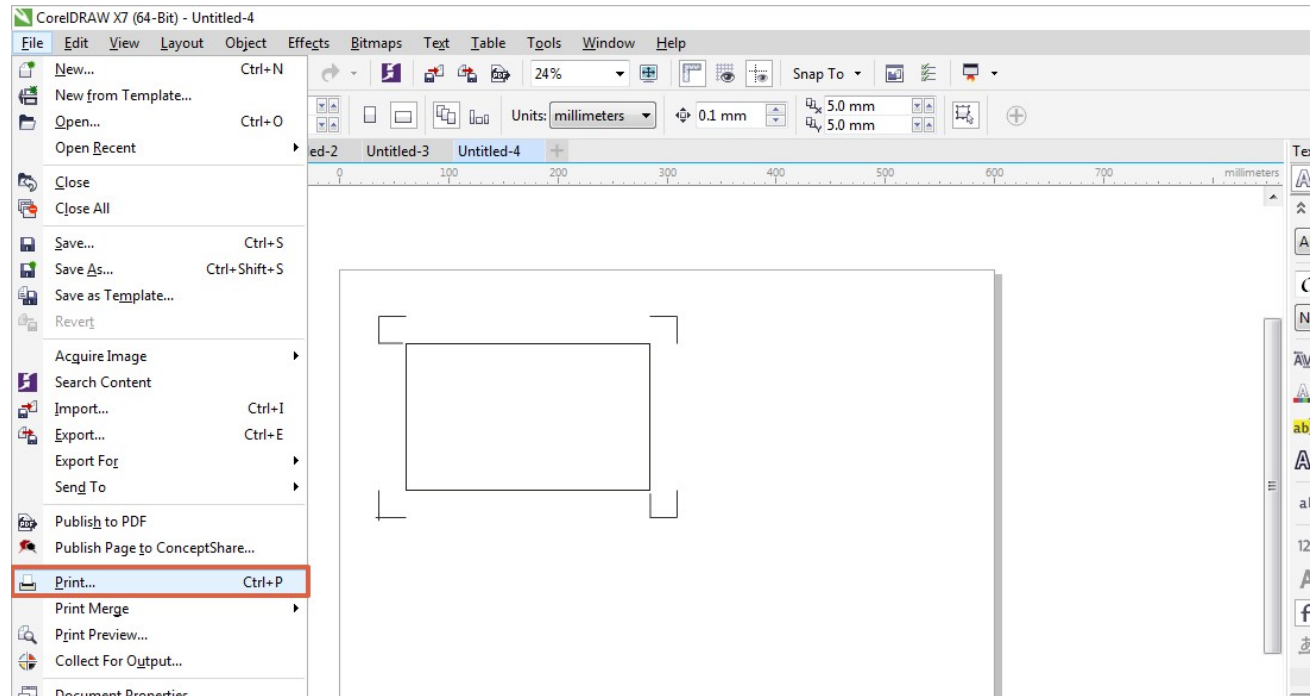


Figure A3-13

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

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).

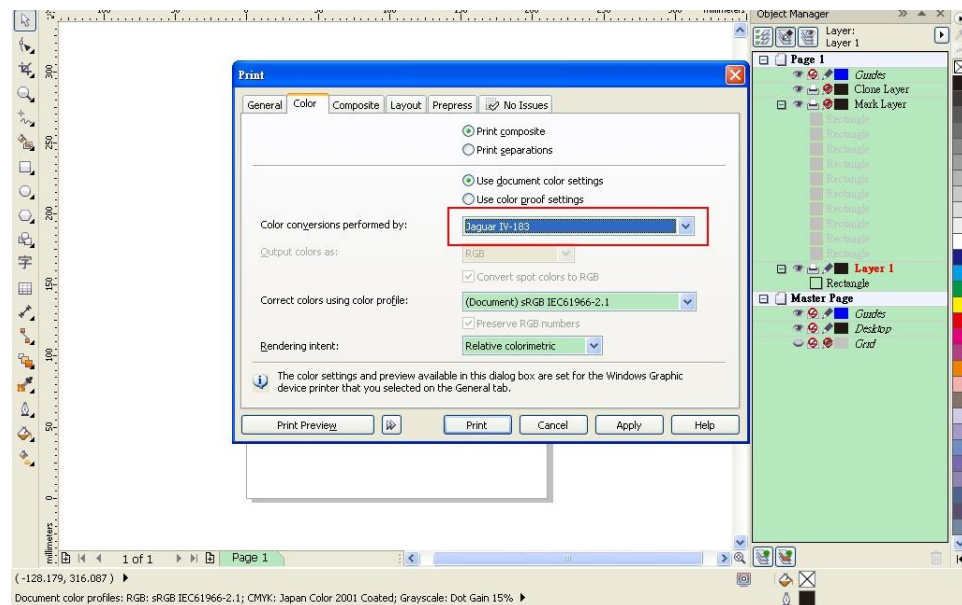


Figure A3-14

2. Go to the “Layout” page and select Bottom left corner at “Reposition images to”.

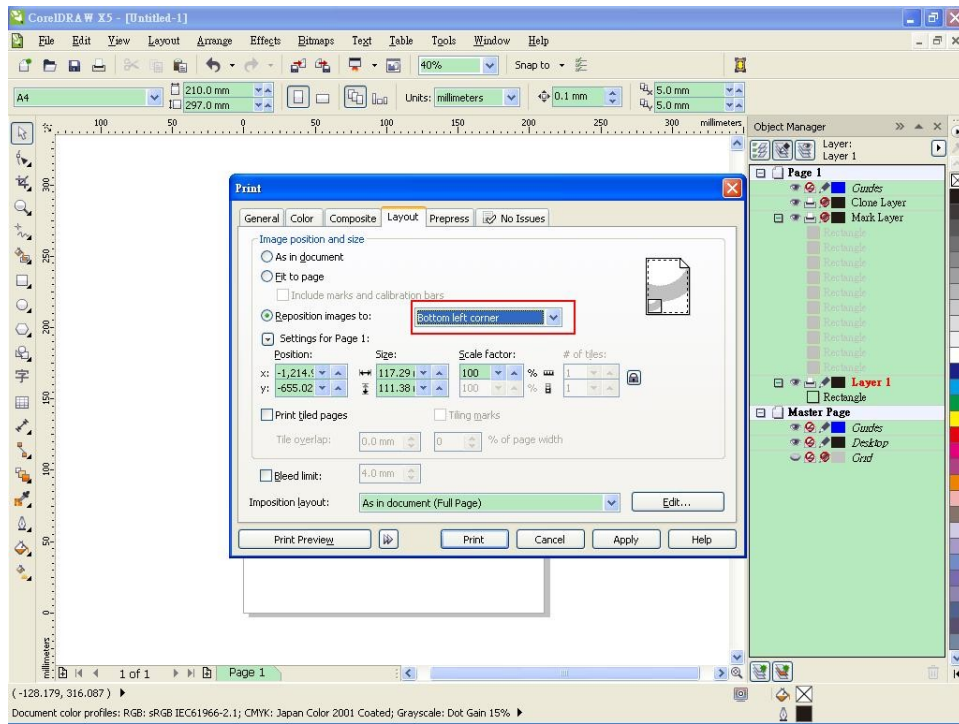


Figure A3-15

3. Click “Print”.

## 6.4 Illustrator AAS Plug-In Instruction

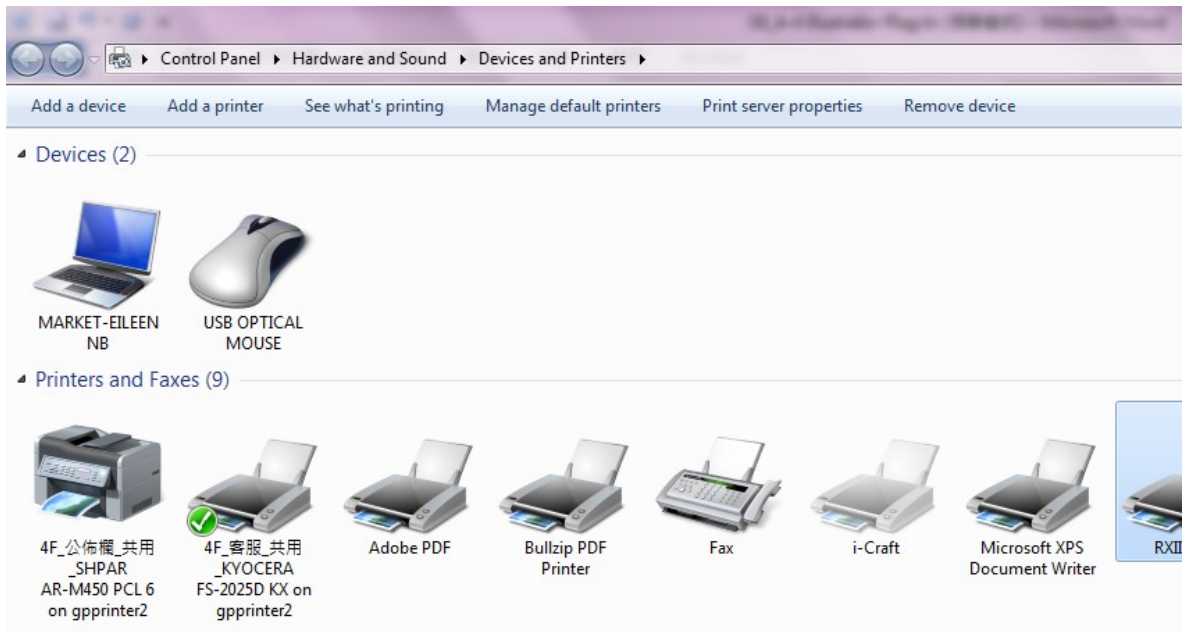
AASII VBA Installer is applicable for Adobe Illustrator Version CS4, CS5, CS6, CC.

### Installation

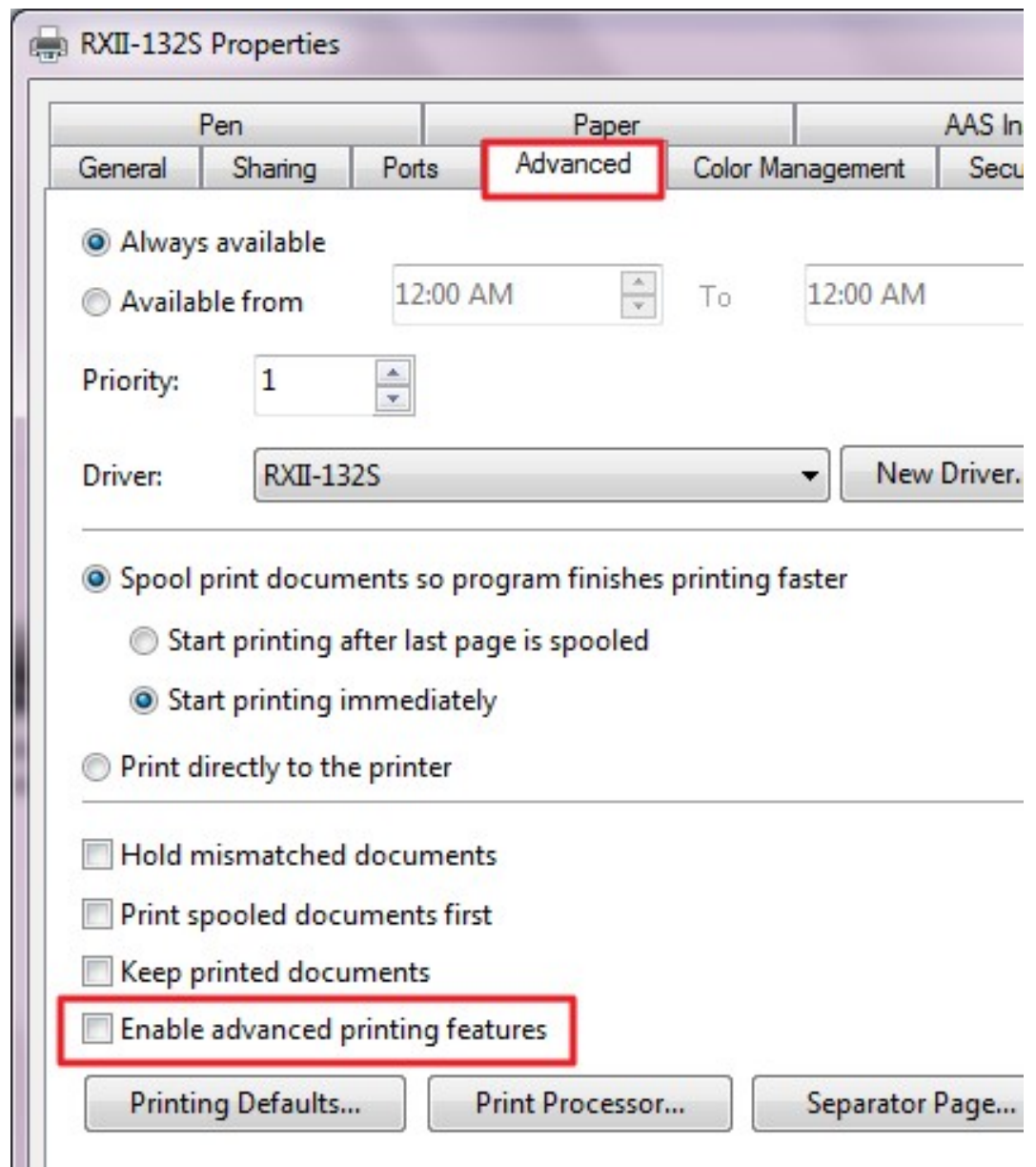
Please refer to Step 8 in Section 4.1 Driver Installation to install AAS plug-in for Adobe Illustrator.

### Printer Setting

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



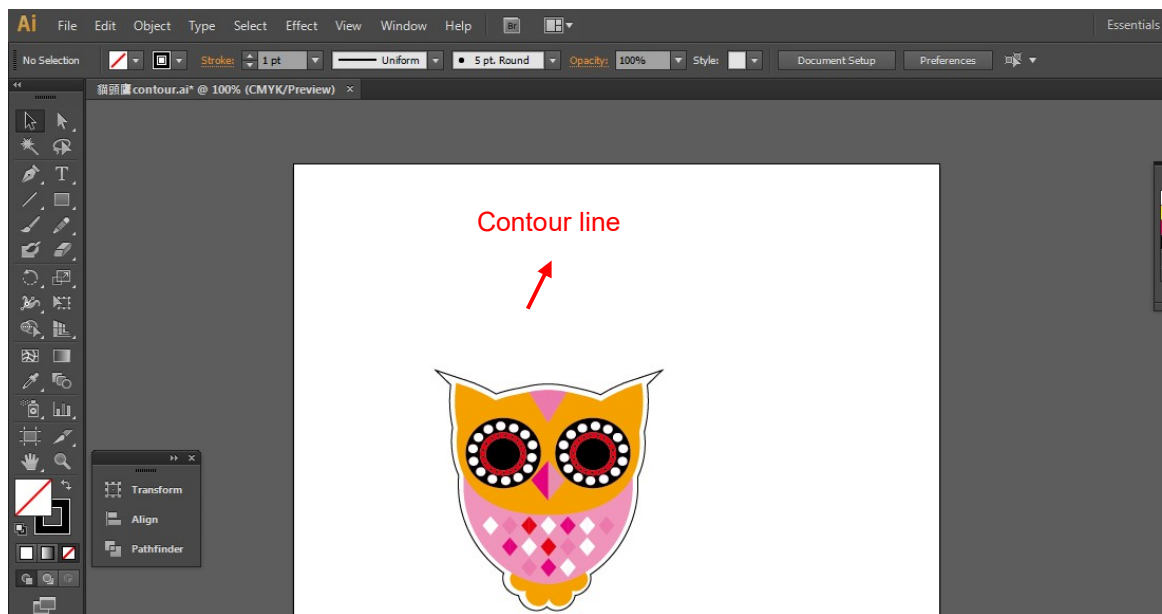
**Step 2** Go to the Advanced page and make sure the “Enable advanced printing features” box is unchecked.



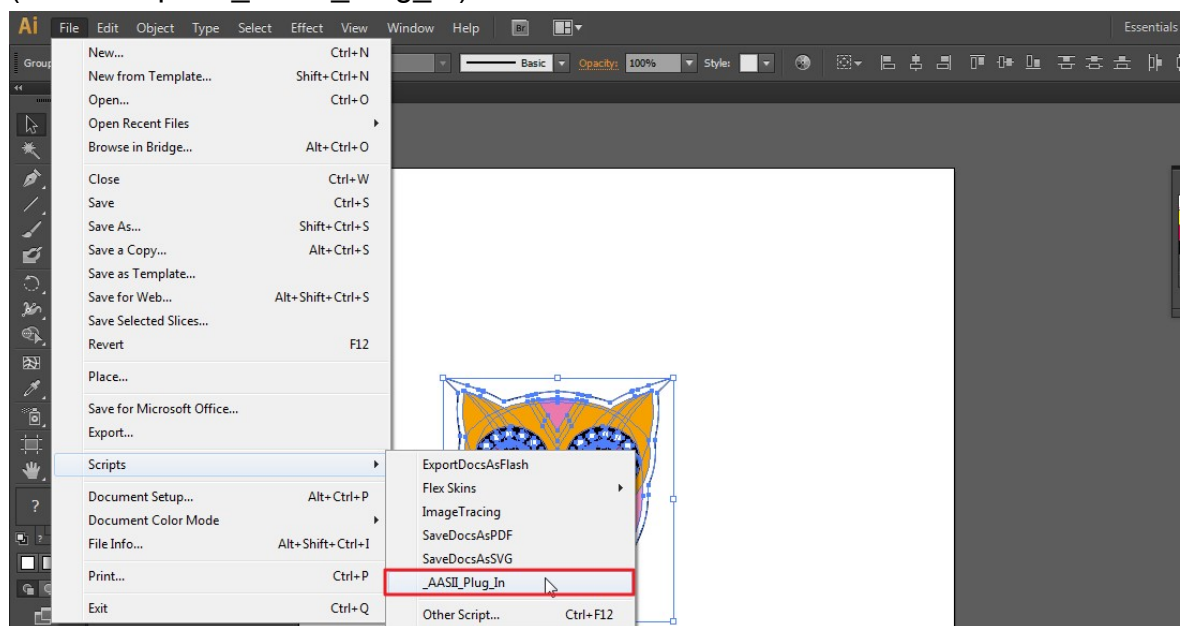
## User Instructions

**Step 1** Open Illustrator.

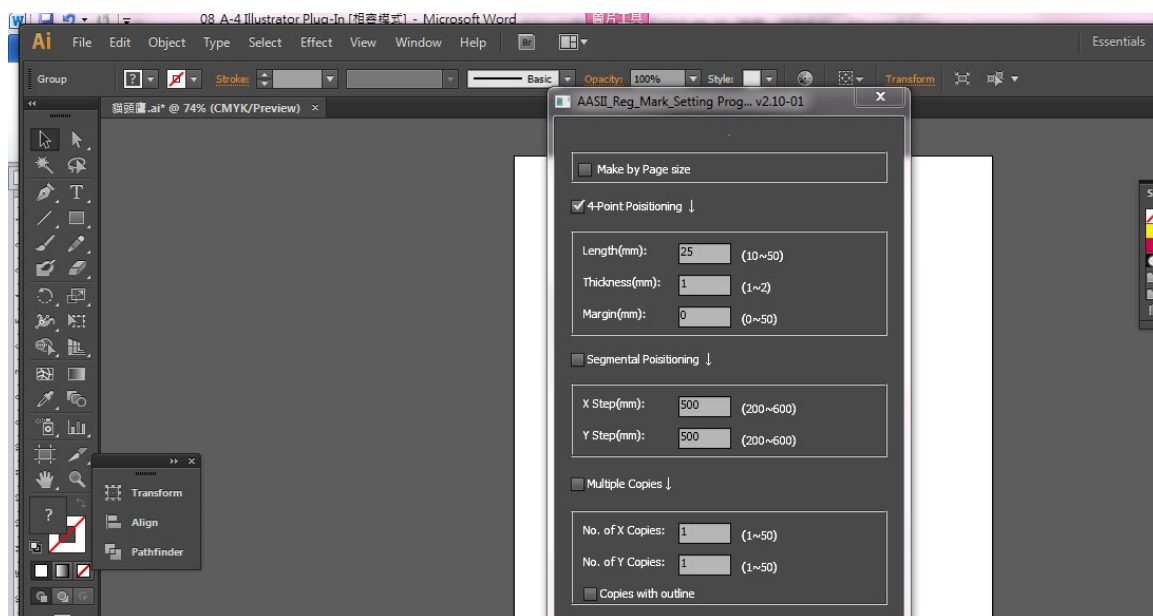
**Step 2** Edit your image and create a contour line (**Note:** you must have the line width set as 0.001mm).



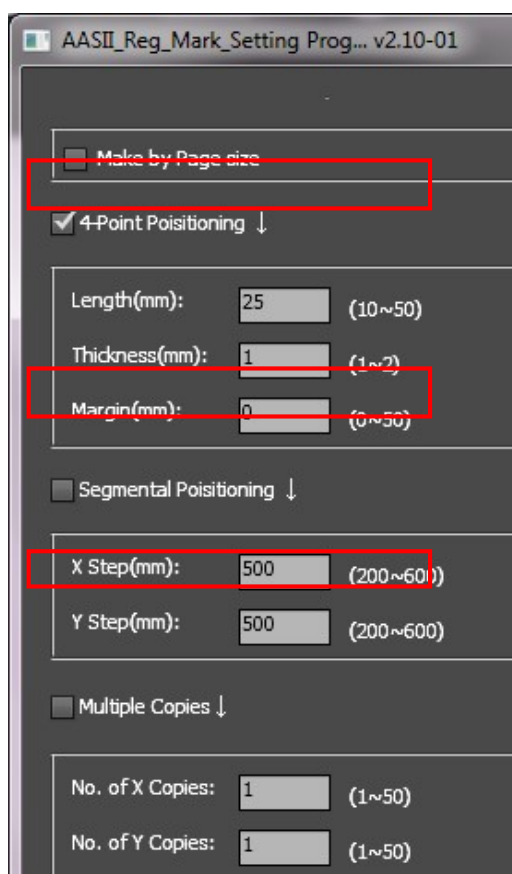
**Step 3** Click on the image and apply the AAS function (File→Scripts→\_AASII\_Plug\_In).



## Step 4 Select the registration marks needed



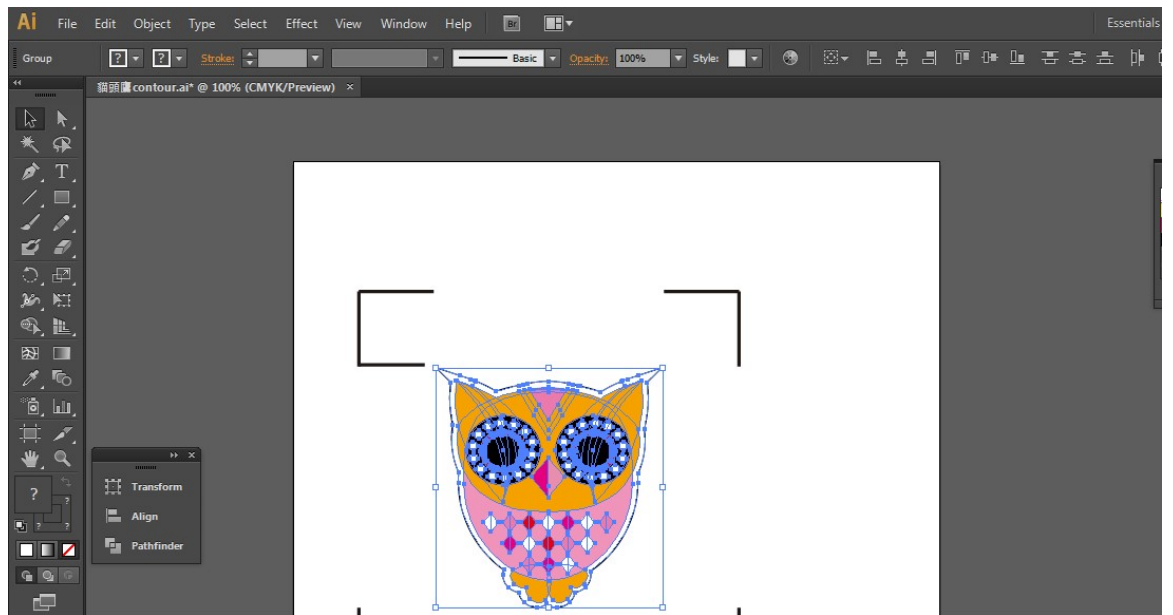
## Step 5 Three types of registration marks are introduced here: 4-Point Positioning, Segmental Positioning and Multiple Copies.



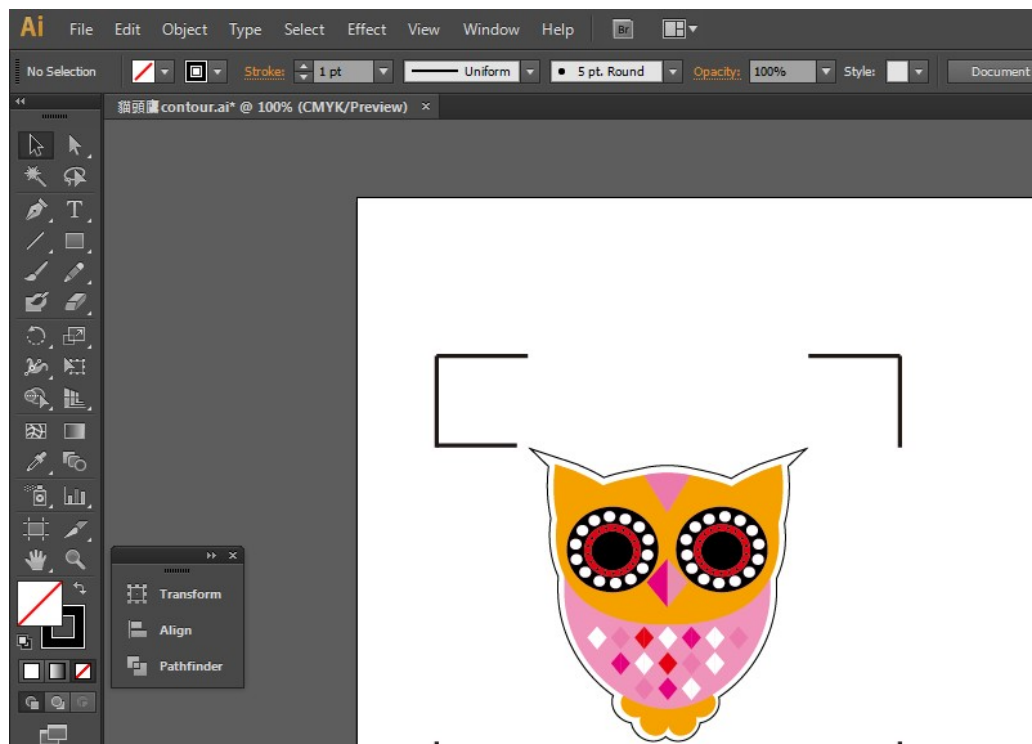
### Note:

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).

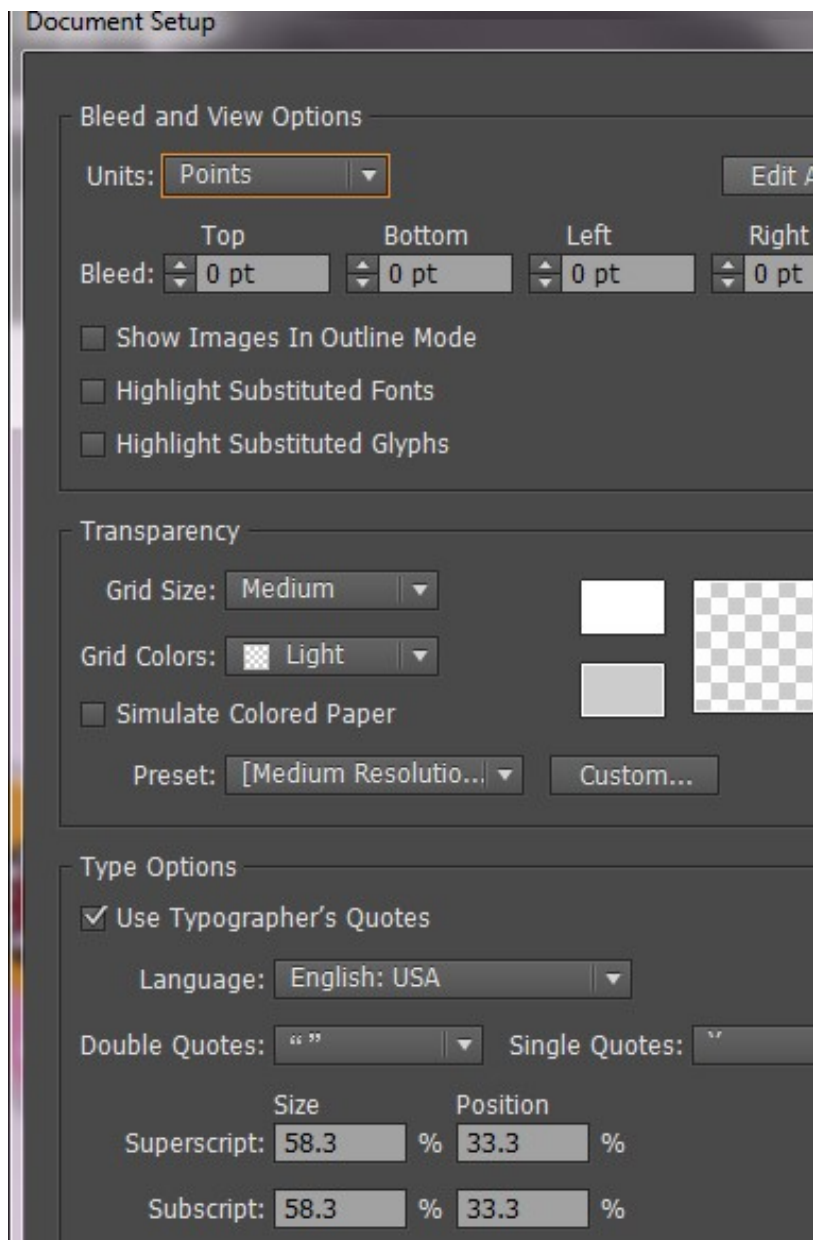


**Step 7** Click on the blank area on the page and then click “Document Setup”.

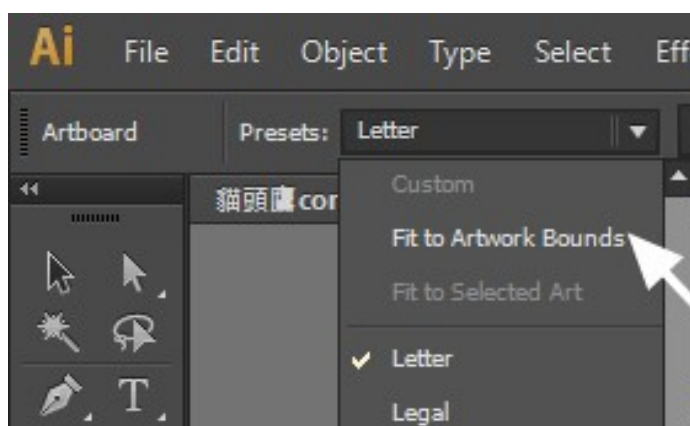




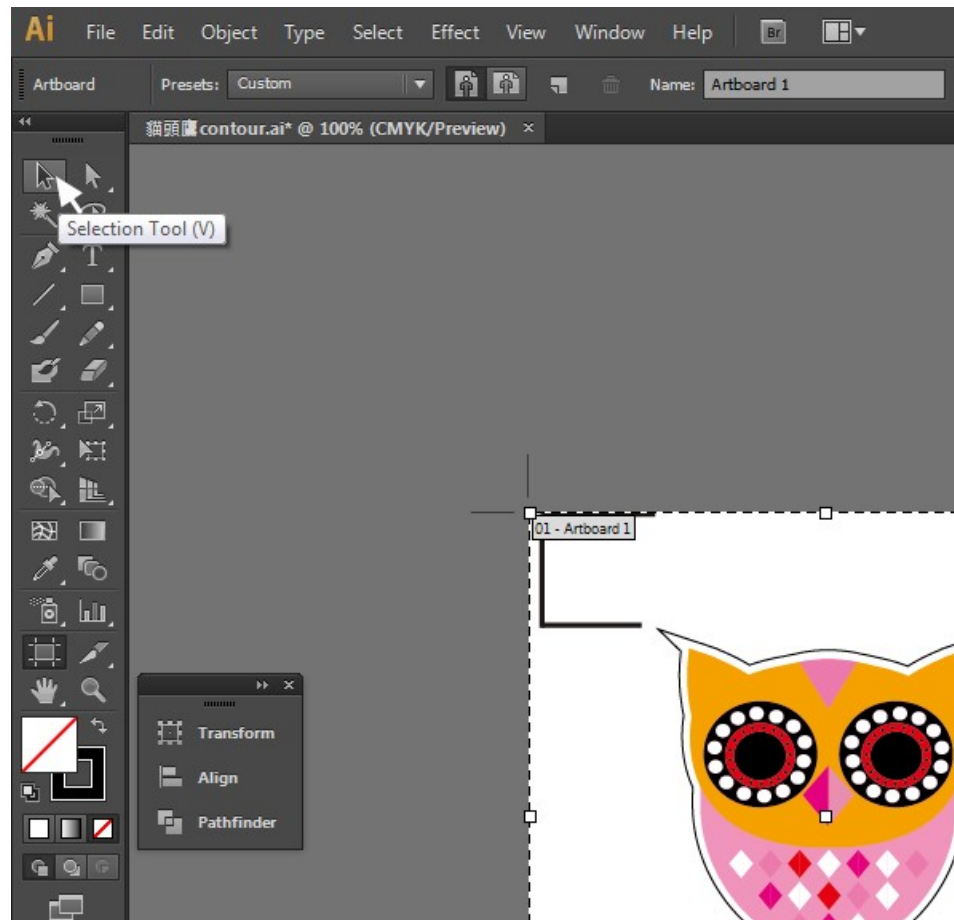
**Step 8** Hit “Edit Artboards”.



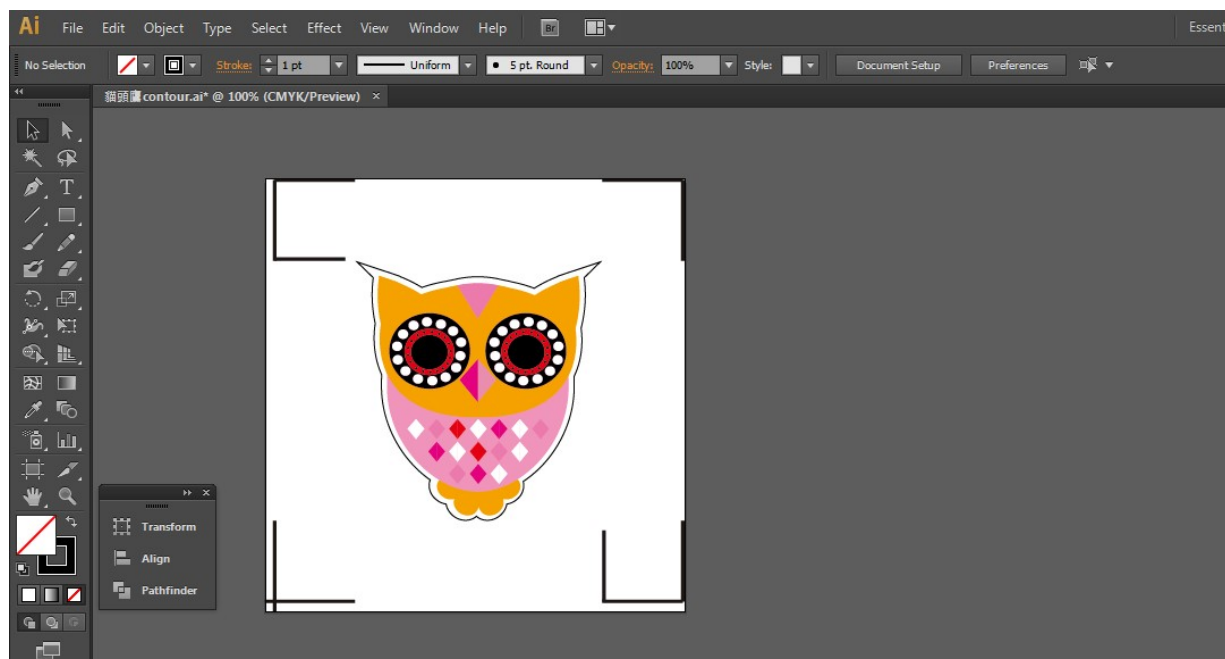
**Step 9** Click on “Presets → Fit Artboard to Artwork bounds”.



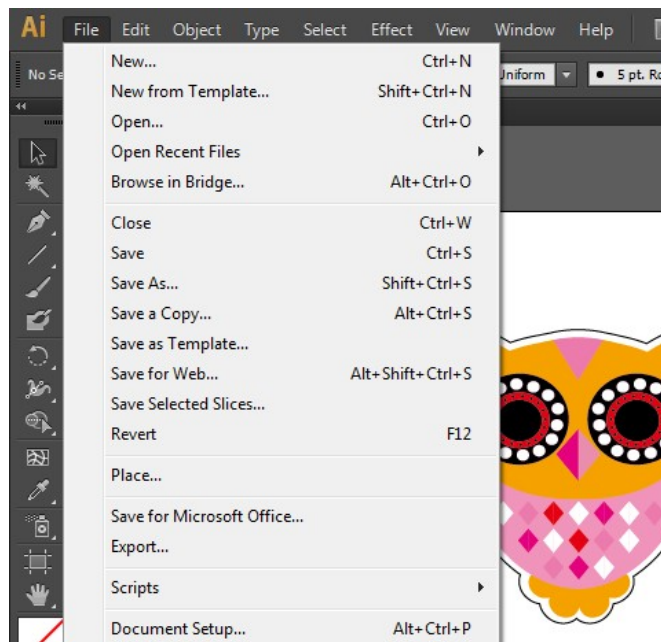
**Step 10** Please move your mouse to the tool bar on the left when step 9 is finished and then click “Selection Tool”.



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

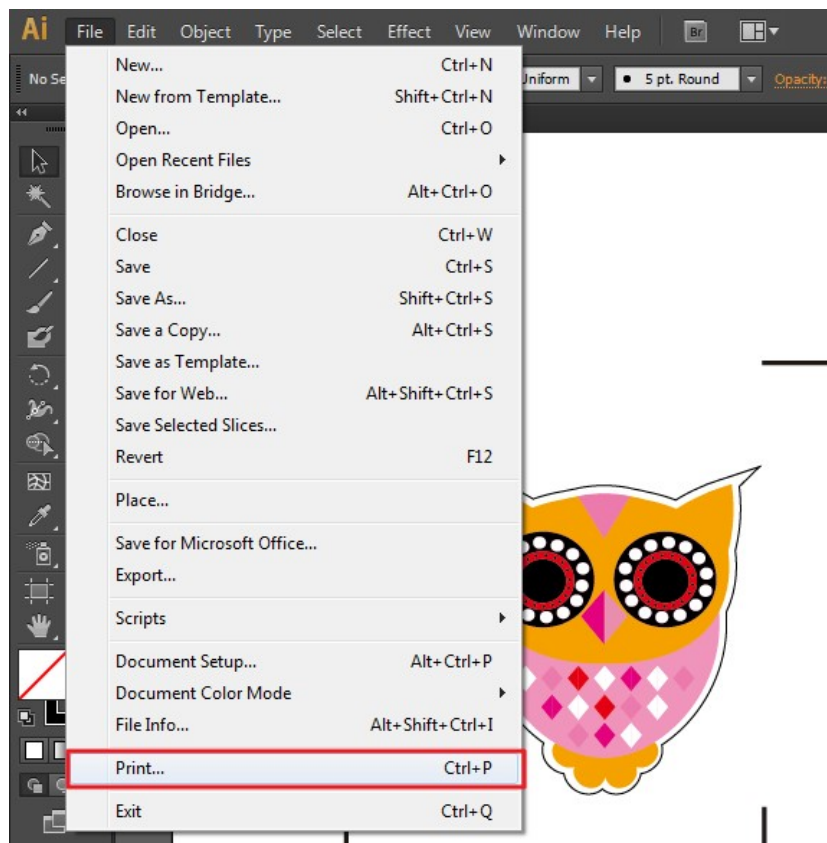


**Step 12** Print out the file with the contour line and the registration marks.

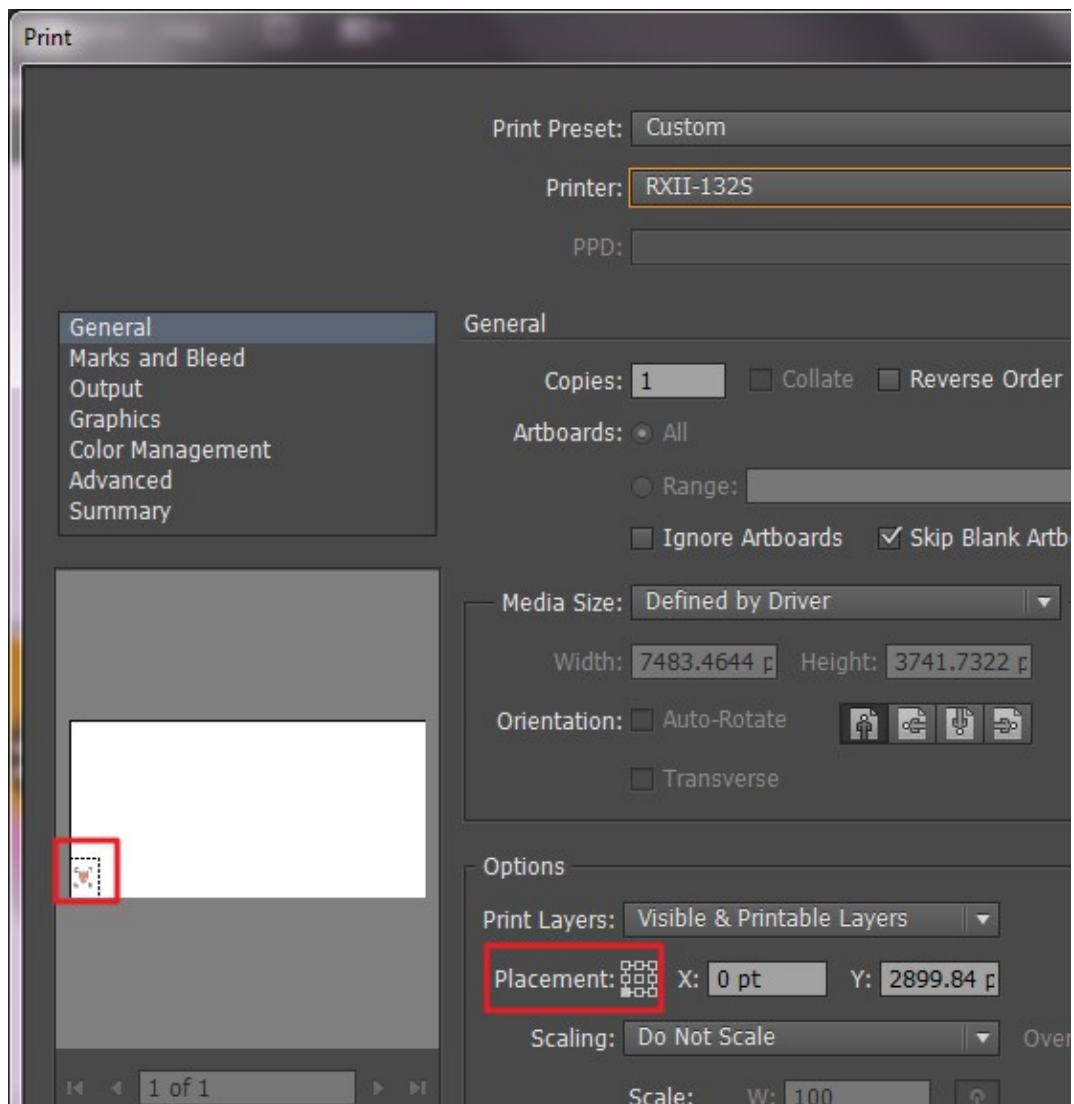


**Step 13** Place the printed file on the cutter, lower the pinch rollers and then position the carriage at the origin of the registration marks.

**Step 14** Send the file to the cutter.



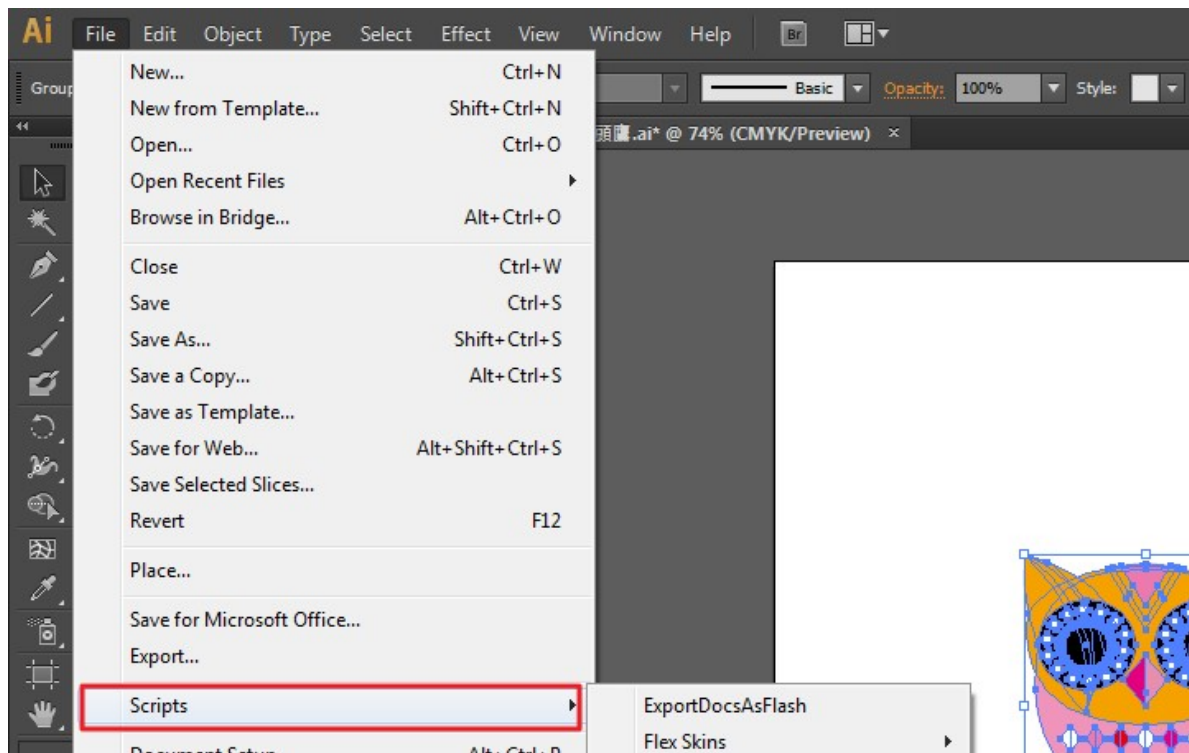
**Step 15** Select the cutter model, position the object in the bottom left corner.



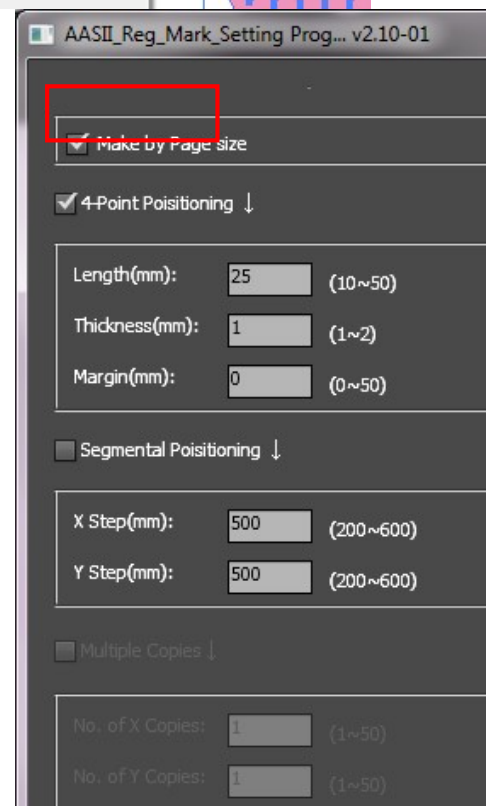
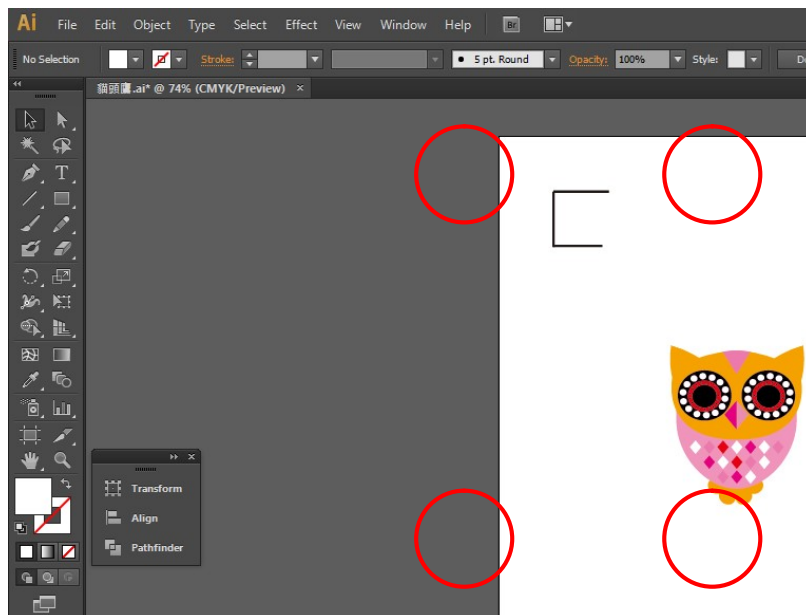
**Step 16** Your job is now completed.

## 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”



Tick “Make by page size” and click “Apply” and the registration mark will be created on the 4 corners of the page automatically, shown as below.



### **Note:**

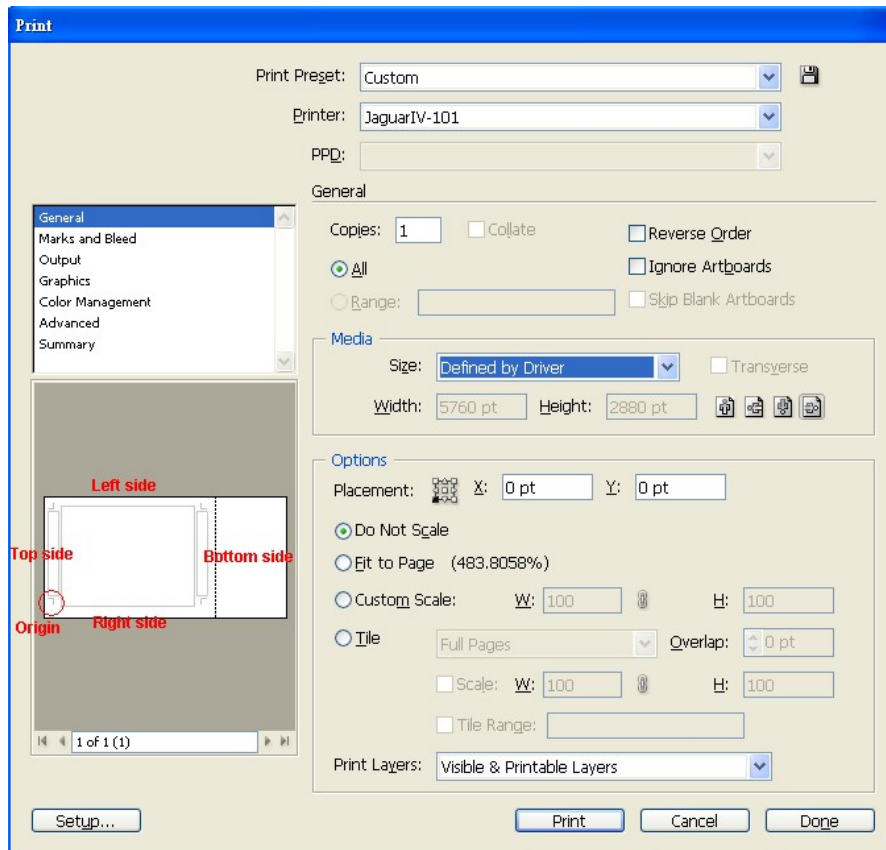
The length setting will be in the range of 10-50mm according to your page size.

## 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.

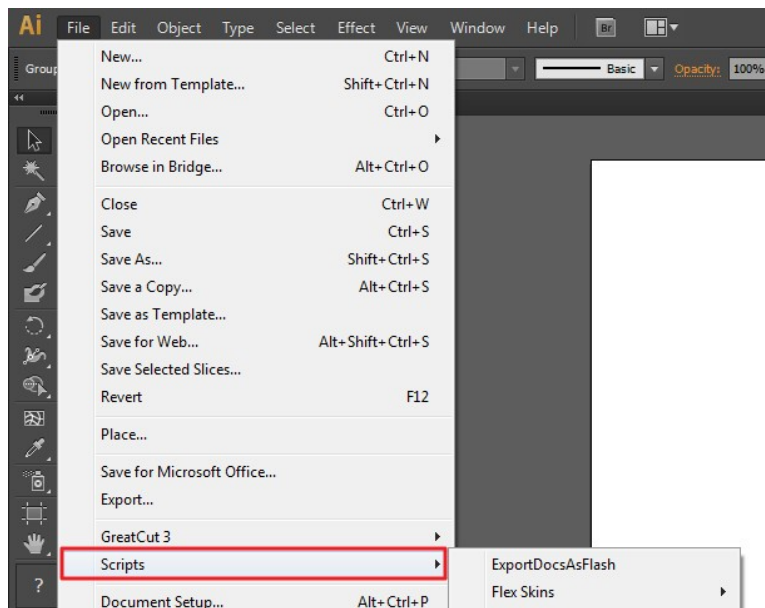


**Note:** Select “Edge” mode when media sizing to allow the media sheet to be unrolled. If you select “Single” mode, the media sheet will not be able to be moved back and hence fail to be detected by front paper sensor.

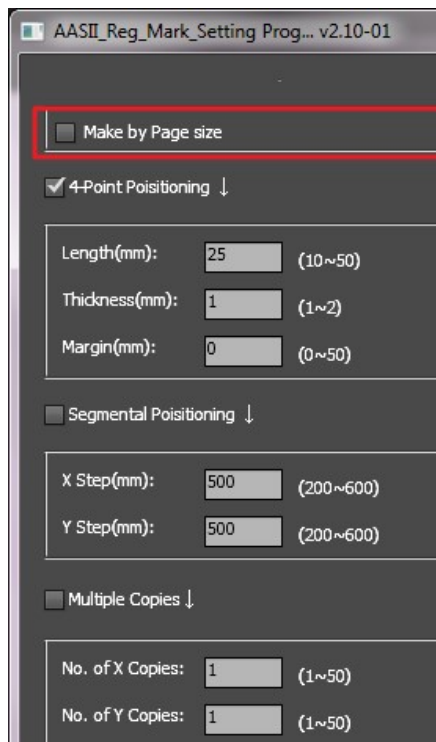
## Add Registration Mark by Object

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”.

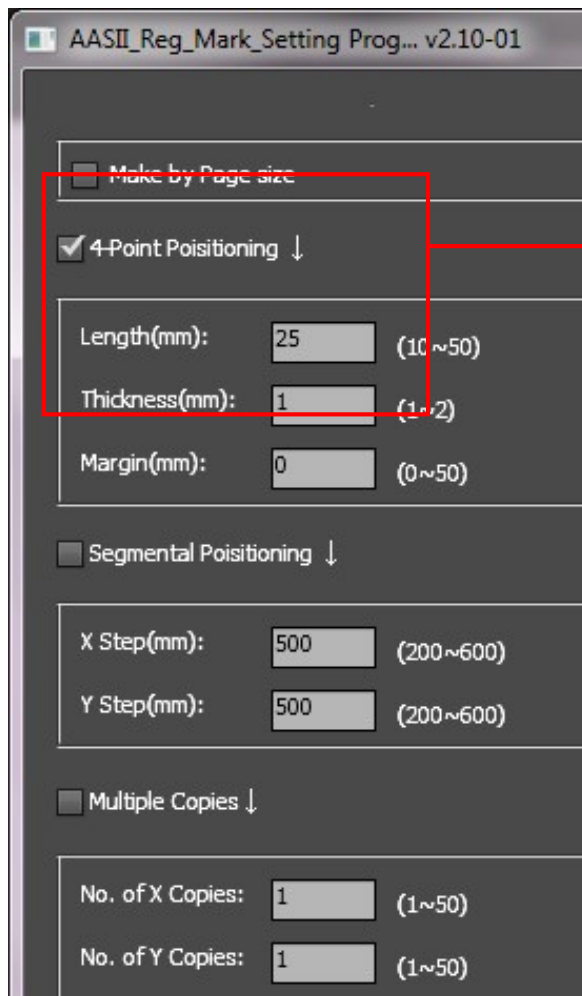


Make sure to untick “Make by page size” and choose one of the registration mark types whichever is suitable.



## Three types of registration marks

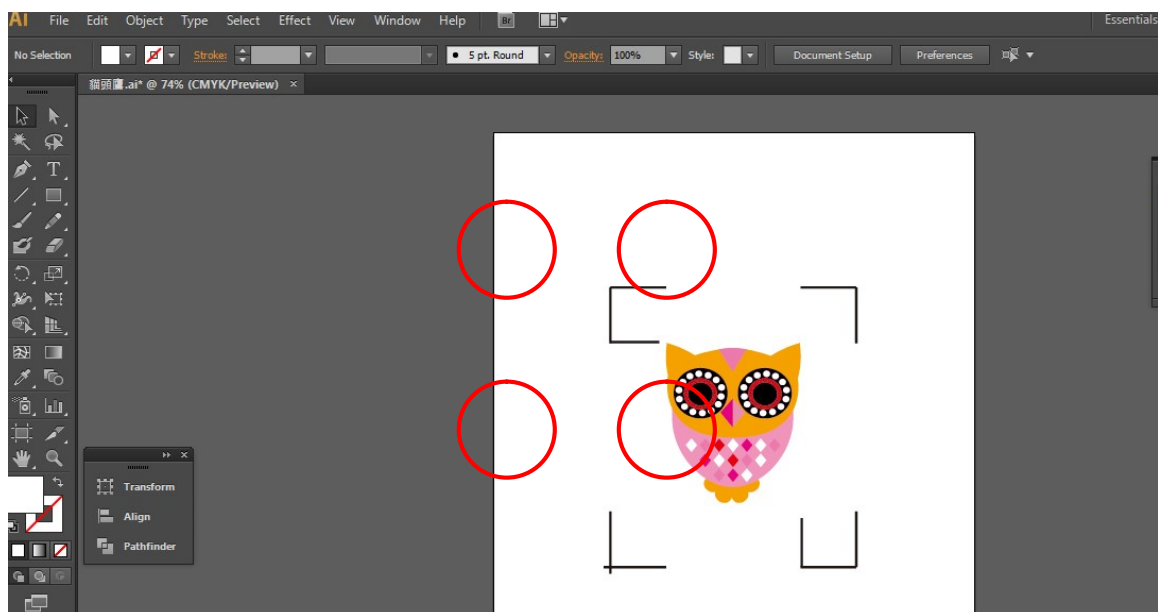
### 4-Point Positioning



### 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

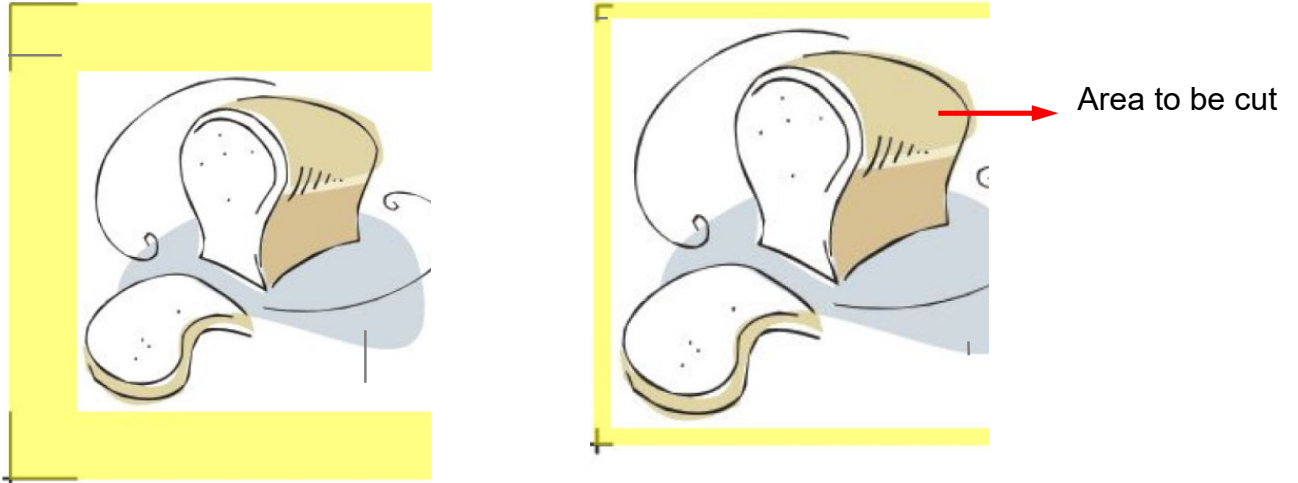
The system will create the 4 marks as shown in the picture below.





**Note:**

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

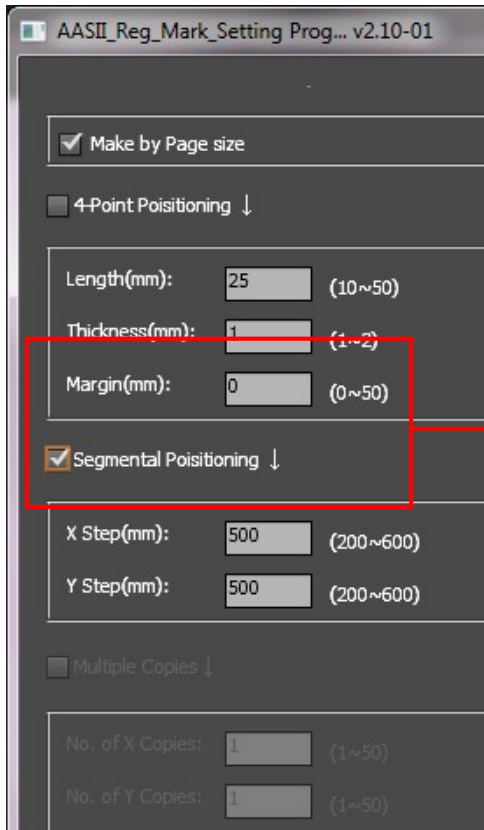
Table 1

\*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

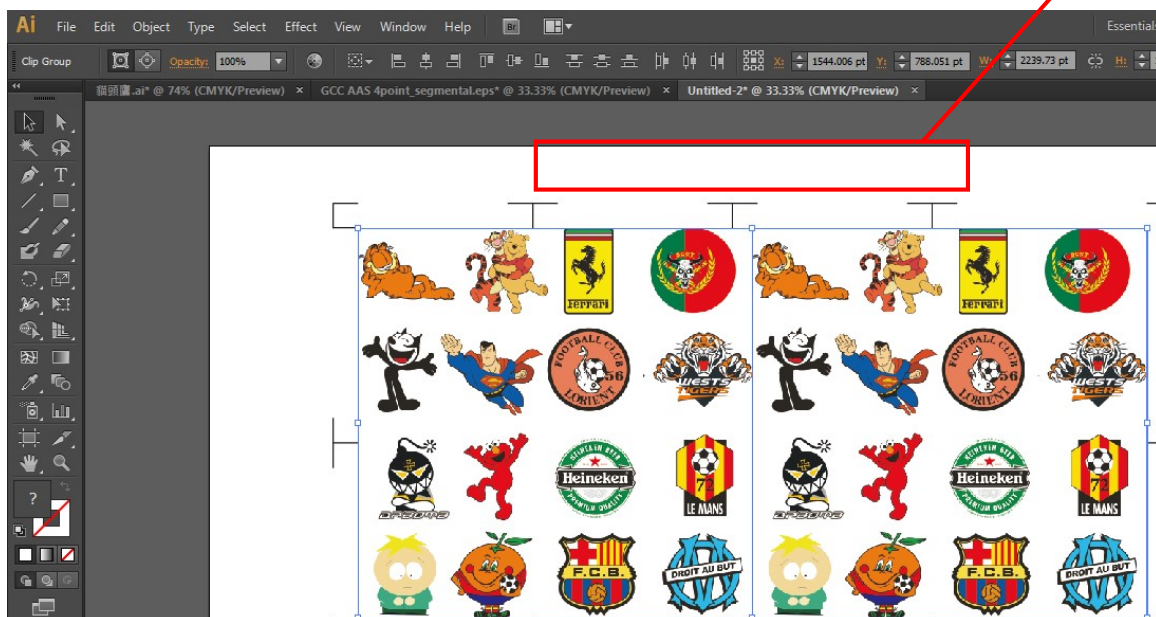
For precise cutting quality, it is suggested to select “Segmental Positioning” when you are working on an extra long or large-sized image to increase cutting accuracy.



### Segmental Positioning

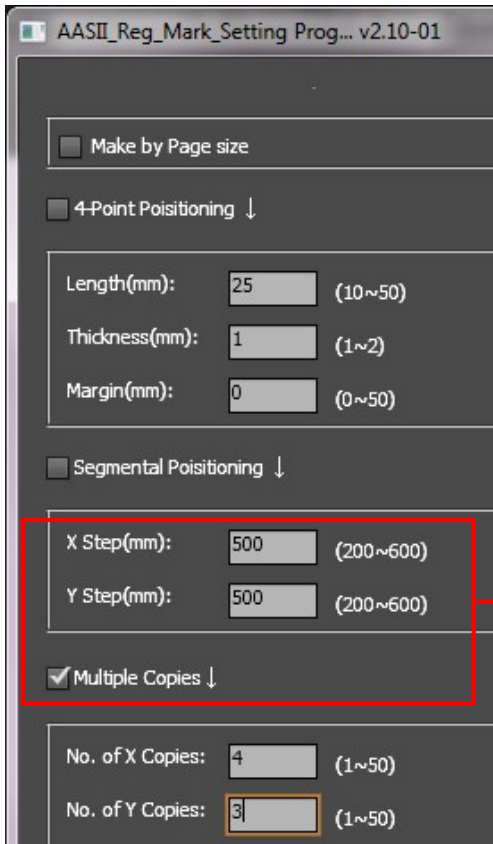
- X Step: The distance of intermediate position on the X axis
- Y Step: The distance of intermediate position on the Y axis
  - Range: 200mm~600mm
  - Optimized Setting: Less than 500mm

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



## 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.



### Multiple Copies

- No. of X Copies: The numbers of copies on X axis
- No. of Y Copies: The numbers of copies on Y axis  
→ Range: 1~50. (The more copies you make, the more time is needed for data transmission.)  
→ Numbers of X Copies \* Numbers of Y Copies = The total amount of image copies
- Copies with outline : To show outlines of image graphics
- Margin: Space between marks; must be 0 or  $\geq 20$ , no negative numbers allowed

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

