GreatCut Instruction

The user manual of GreatCut 2 software is available on the GCC installation CD.

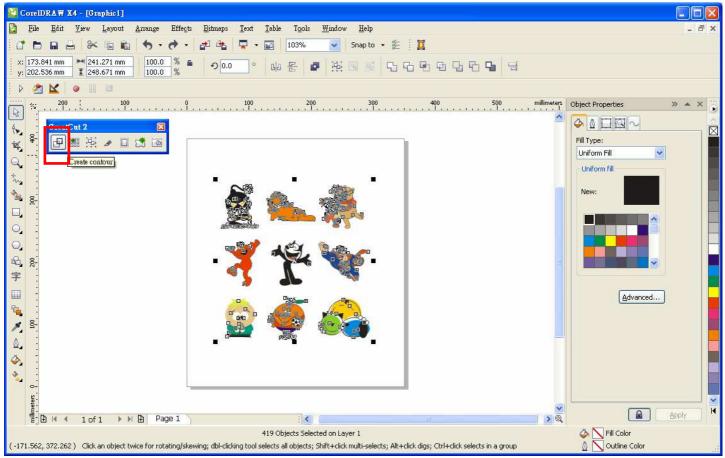
GCC AASII System

Below is a step-by-step instruction of using the AAS function of GreatCut 2 software through CoreIDRAW and Adobe Illustrator.

Edit your image in CoreIDRAW

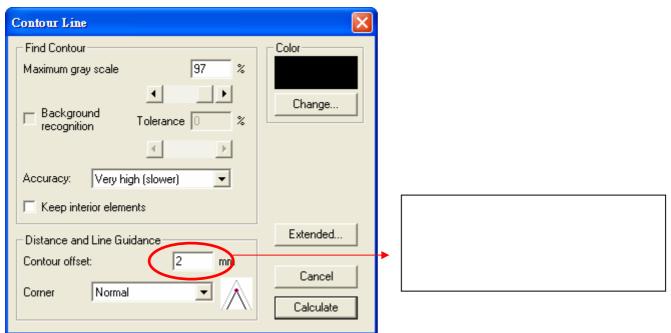
4-Point Positioning

Step 1. Create a new file in CoreIDRAW and click on the Create contour icon in the GreatCut 2 toolbar (it would appear automatically once CoreIDRAW is open).

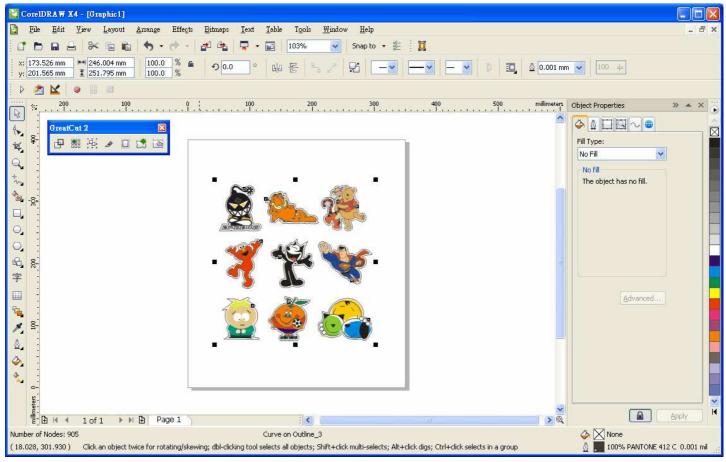




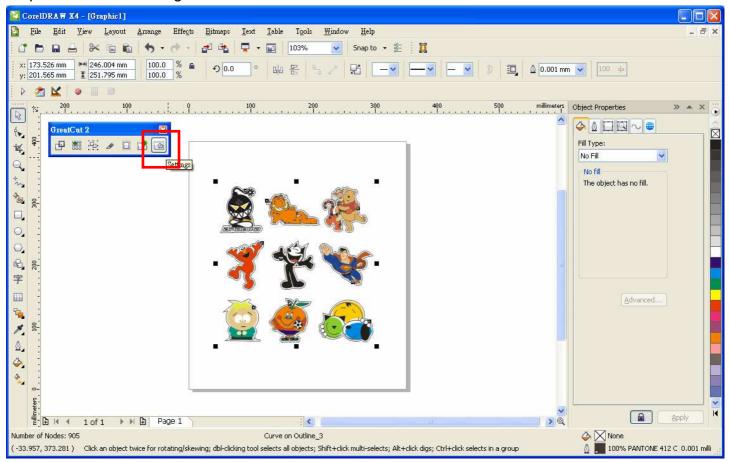
Step 2. Complete contour line settings (including contour offset value) and press Calculate to confirm.



Contour lines will be added to the images.







Step 3. Press the Settings icon on the GreatCut 2 toolbar.

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

Settings	×	
Eurosystems Software:	GreatCut 2	
Jog marks:	GCC (AAS II)	
Name of layer for Jog Marks:	Regmark	
Name of layer for Outline:	Outline	
	Show always contour and outline settings 🔽	
During the cu	tt process only transfer "Regmark" and "Outline" layer 🔽	
	Create new file while cutting 🔽	
Open output dialog while cutting 📃		
	OK Cancel	



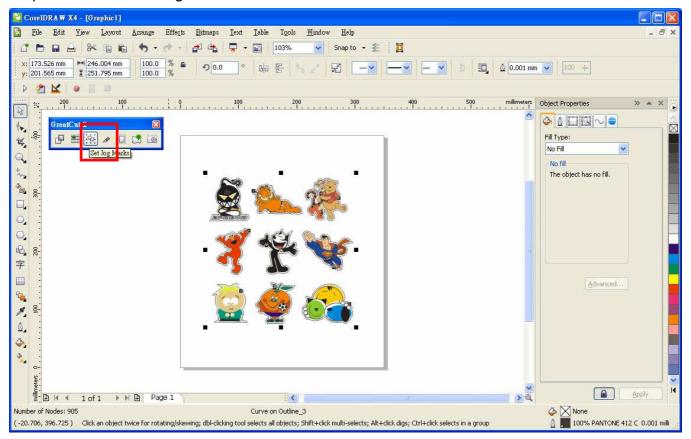
Step 5. Adjust the size, object margin and line thickness of your registration marks in the Setup-Jog Marks window and click OK.

Setup - Jog Marks	4-Point Positioning
Setup - Jog Marks Type GCC (AAS II) • Align to selection • Align to working area Size 25.00 mm Object Margin 1.00 mm Line thickness 1.00 mm Max. X distance 600.00 mm Max. Y distance 600.00 mm OK Cancel	 Size: The length of marks Range: 5mm~50mm Optimized Setting: 25mm Object margin: The distance between marks and images Range: 0mm~50mm Optimized Setting: 5mm Line thickness: the line thickness of marks Range: 1mm~2mm Optimized Setting: 1mm

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

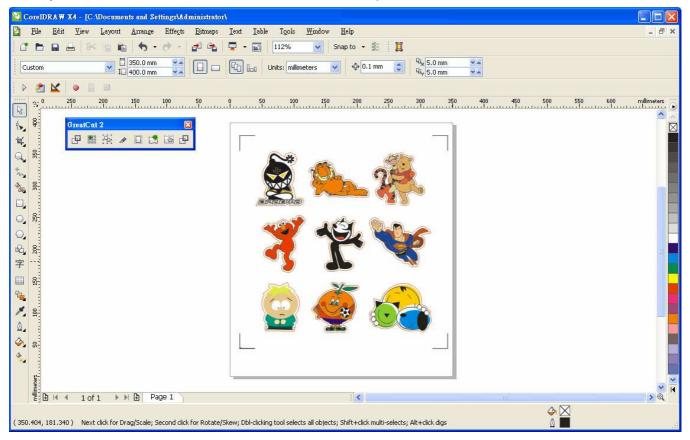
Settings	×	
Eurosystems Softwa	are: GreatCut 2	
Jog mai	ks: GCC (AAS II)	
Name of layer for Jog Ma	ks: Regmark	
Name of layer for Outli	ine: Outline	
During t	Show always contour and outline settings 🗹 During the cut process only transfer "Regmark" and "Outline" layer 🗹 Create new file while cutting ✔	
	Open output dialog while cutting D OK Cancel	





Step 7. Click the Set Jog Marks Icon in the GreatCut 2 toolbar.

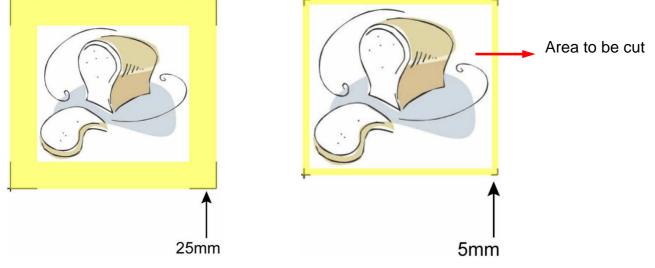
The system will create the 4 marks as shown in the picture below.





Note:

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



Page size	Suggested mark length
(unit: inch)	(unit: mm)
A6 (4.13 × 5.83)	5
A5 (5.83 × 8.27)	8
A4 (8.27 × 11.69)	11
A3 (11.69 × 16.54)	16
A2 (16.54 × 23.39)	23
A1 (23.39 × 33.11) and above	25*

Table 1

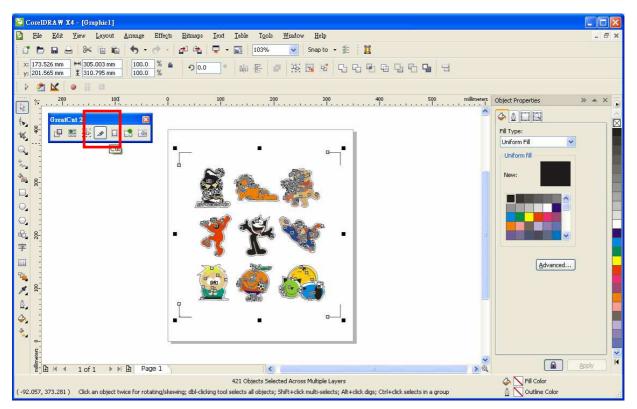
*25mm is the suggested value for the registration mark length

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

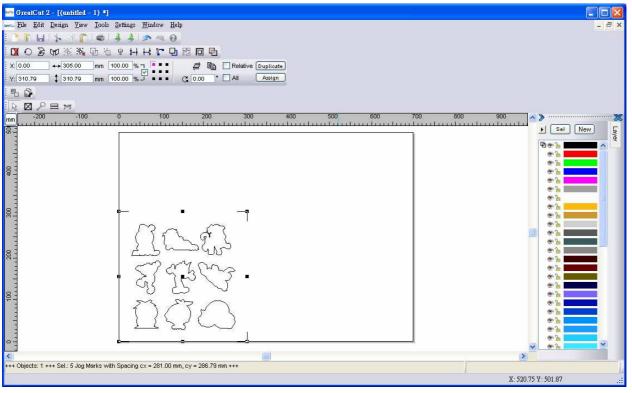


Output

Step 1. Select both the entire object (including registration marks and the contour line) and press the Cut icon in the GreatCut 2 toolbar.



Step 2. The system will activate GreatCut2 automatically and import the registration marks and contour line to GreatCut 2.





Step 3. Select Output under File.

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

Output Device:	GCC Jaguar IV 61	v	Number of outputs: 1 Number of copies: 1	
Mode / Tool: Cut with AAS Cut Material: Cut with AAS		Stack spacing: 5.00 mm		
iviaterial.	T.On		Copies spacing: 2.00 mm Segment spacing: 0.00 mm	
Parameter AAS Offset origin AAS Offset origin Pressure [g] Speed [cm/s] Material width [mm Length [mm] Number of outputs Number of outputs Distance between	Y [mm]] in X-direction in Y-direction	Value 0.00 85 72 600.00 1200.00 1 1 1	Sort before output Stack processing Wait after segment Plot to file Save settings Complete the settings of A Offset, Pressure, Speed, Material width and so for Save settings	
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Step 5. Click output and the object will be sent to GCC Cutting Plotter

Advanced Settings

Segmental Positioning

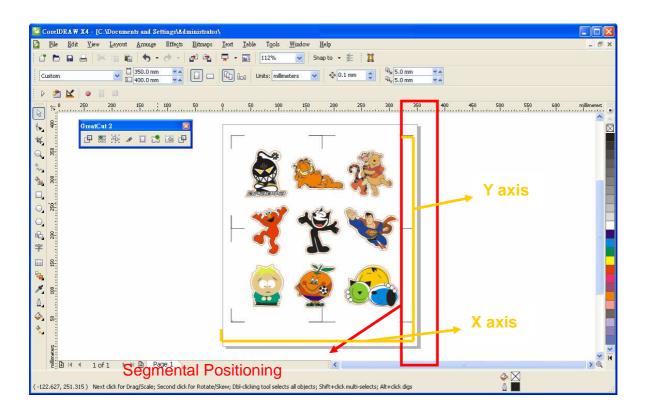
For precise cutting quality, it is suggested to apply "Segmental Positioning" by adjusting the x and y distance when you are working on an extra long or large-size image to increase cutting quality.

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

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

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





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



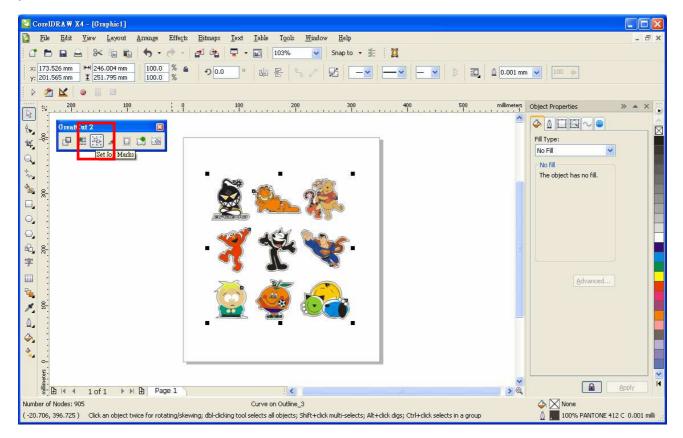
Multiple Copies

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

Setup - Jog Marks			
Type GCC (AAS II) Align to selection Align to working a Size Object Margin	25.00 mm 1.00 mm	✓ Outside corners	
Lin e thiokness Max. X distance Max. Y distance	1.00 mm 600.00 mm 600.00 mm	Output marks (or by pressing Ctrl) Target layer 1.	
	ж	Cancel	

When you apply the "Multiple Copies" function, the value that has been set in this section will still be applied.

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





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GreatCut 2 🔀	
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(+100.211, 293.776) Click an object twice for rotating/skewing; dbl-clicking tool selects all objects; Shift+click multi-selects; Alt+click digs; Ctrl+click selects in a group	🗴 🔜 100% PANTONE 412 C 0.001 milli 📑

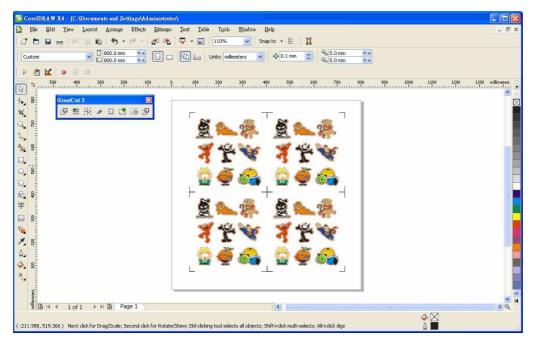
Click the Multi-copy Icon in the GreatCut 2 toolbar and complete the Number in X/Y (the number of copies desired on the X/Y axis) and Distance in X/Y (distance between each copy) settings then click OK.

2 		
Multi-Copy		×
Number in X	2	*
Number in Y	2	<u>×</u>
Distance in X	0.00	🔹 mm
Distance in Y	0.00	🗢 mm
	Distance to object	*
	OK	Cancel

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



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



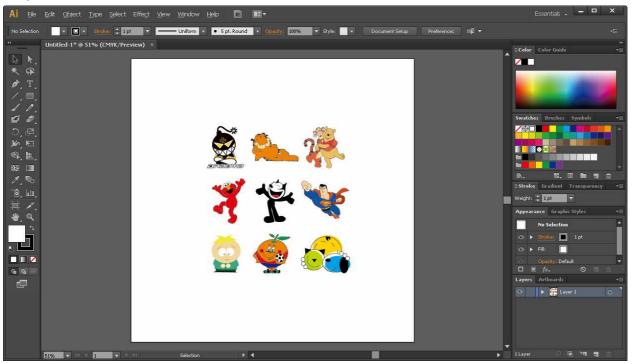
Follow the same steps in the **Output** section to output your image to GCC Cutting Plotter.



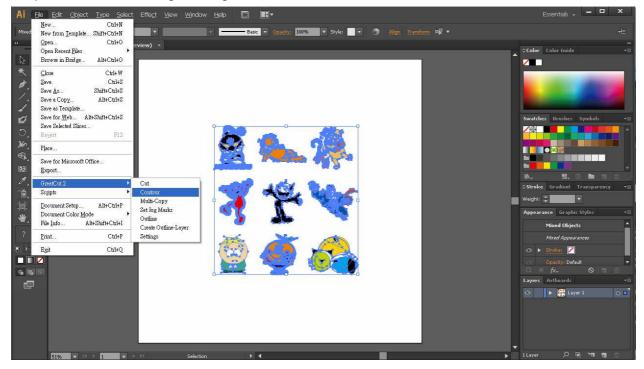
Edit your image in Adobe Illustrator

4-Point Positioning

Step 1. Create a new file in Adobe Illustrator.

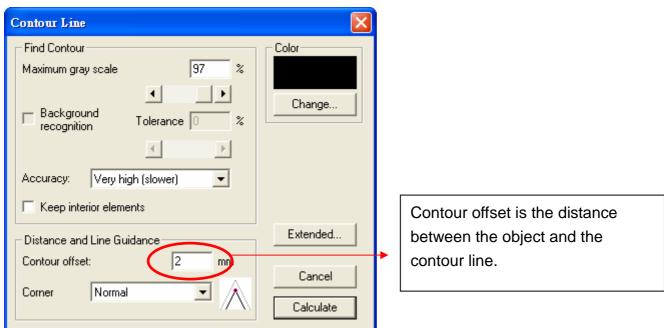


Step 2. Select the image and go to Contour in GreatCu2 in File.

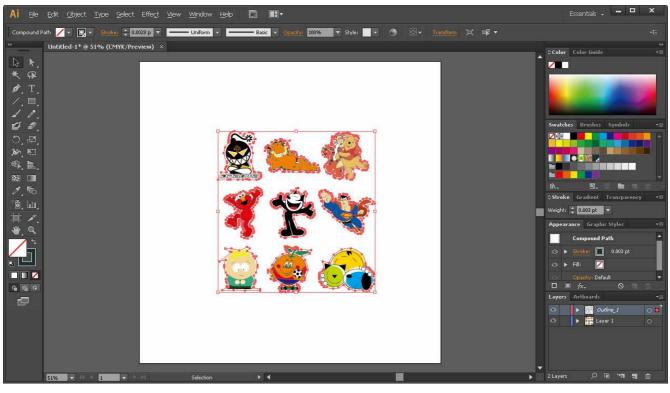




Step 3. Complete contour line settings (including contour offset value) and press Calculate to confirm.

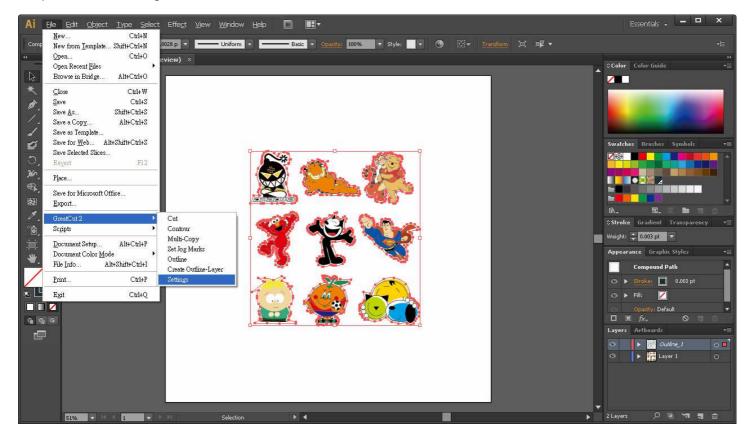


Contour line is now added to the object.





Step 4. Click Settings in GreatCut 2 under File.



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

Settings	×
Eurosystems Software:	GreatCut 2
Jog marks:	GCC (AAS II)
Name of layer for Jog Marks:	Regmark
Name of layer for Outline:	Outline
	Show always contour and outline settings 🔽
During the cu	tt process only transfer "Regmark" and "Outline" layer 🔽
	Create new file while cutting 🔽
	Open output dialog while cutting 📃
	OK Cancel



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

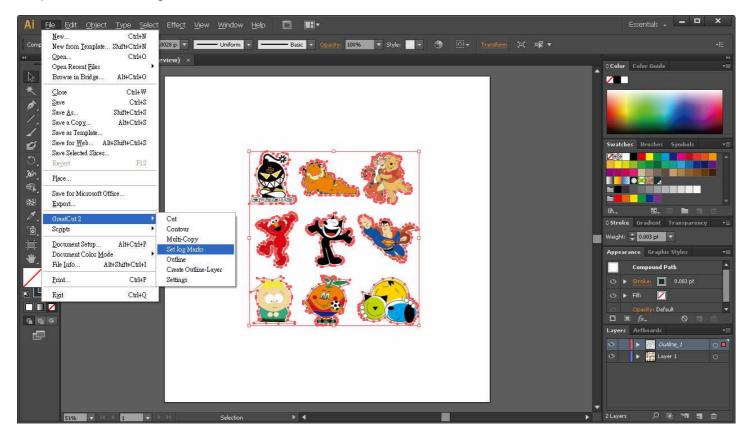
	Size: The length of marks
Type GCC (AAS II) Align to selection Align to working area Size 25.00 mm Object Margin 1.00 mm Line thickness 1.00 mm Line thickness 1.00 mm Max. X distance 600.00 mm Max. Y distance 600.00 mm Max. Y distance 600.00 mm Target layer 1.	 Size: The length of marks → Range: 5mm~50mm → Optimized Setting: 25mm Object margin: The distance between marks and images → Range: 0mm~50mm → Optimized Setting: 5mm Line thickness: the line thickness of marks → Range: 1mm~2mm → Optimized Setting: 1mm

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

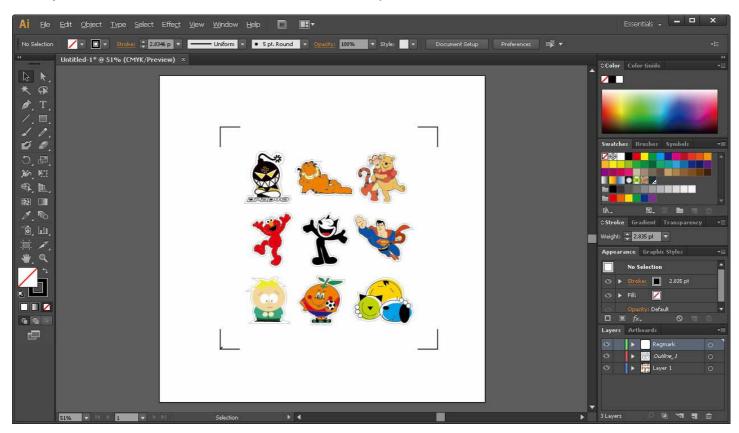
Settings	×			
Eurosystems Sof	tware: GreatCut 2			
Jog n	narks: GCC (AAS II)			
Name of layer for Jog M	farks: Regmark			
Name of layer for O	utline: Outline			
	Show always contour and outline settings 🔽			
Durin	During the cut process only transfer "Regmark" and "Outline" layer \checkmark			
	Create new file while cutting 🔽			
Open output dialog while cutting 📃				
	OK Cancel			



Step 8. Click Set Jog Marks in GreatCut2 under File.



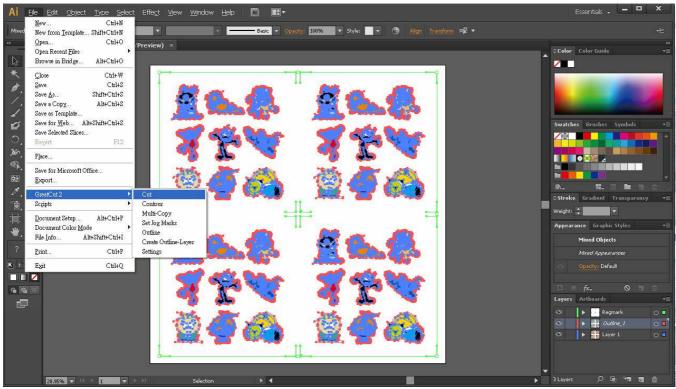
The system will create the 4 marks as shown in the picture below.



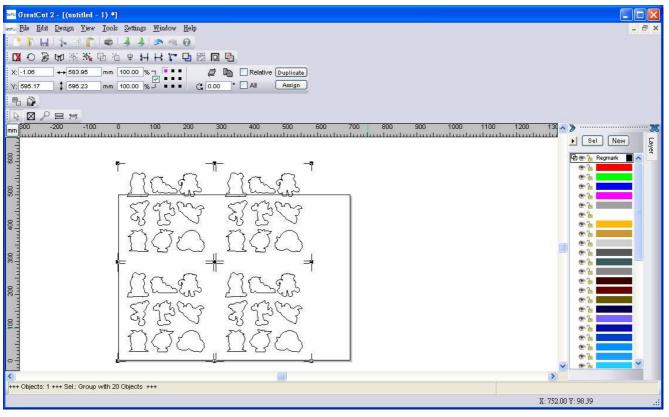


Output

Step 1. Select both the entire object (including registration marks and the contour line) then click Cut in GreatCut2 under File.

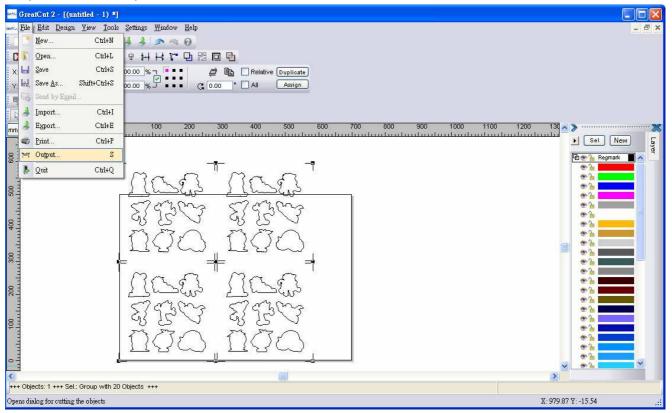


Step 2. The system will activate GreatCut2 automatically and import the registration marks and contour line to GreatCut 2.





Step 3. Select Output under File.



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

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Output				
Device: GCC Jaguar IV 61		~ []	Number of outputs: 1	
501100.			Number of copies: 1	
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	Cut Cut with AAS		Veed border: 2.00 mm	
Material:	Cut with AAS		Copies spacing: 2.00 mm	
			Segment spacing: 0.00 mm	
Devementer		Velue	Output only tool-assigned layers	
Parameter AAS Offset origin	V [mm]	0.00	- Sort before output	
AAS Offset origin		0.00	Stack processing	
Pressure [g]	, food	85	Wait after segment	
Speed [cm/s]		72	Keep reference point	
Material width [mm]	600.00	Plot to file	
Length [mm]		1200.00		
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Number of outputs		1		
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		Number of copies: 1			
Mode / Tool:	ol: Cut with AAS		Stack spacing: 5.00	mm	
			Weed border: 2.00	mm	
Material:	Material: Foil 💽		Copies spacing: 2.00	mm	
			Segment spacing: 0.00	mm	
NAN AV		W 7-9999 11	- Output only tool-assigned li	ayers	
Parameter		Value	Sort before output		
AAS Offset origin	X [mm]	0.00			
AAS Offset origin	Y [mm]	0.00	Stack processing		
Pressure [g]		85	Vait after segment		
Speed [cm/s]			Keep reference point		
Material width [mm]	600.00	Plot to file		
Length [mm]		1200.00			
Number of outputs		1	Save settings		
Number of outputs	in Y-direction	1	[< Max]		
Distance between	copies (mm)	10.00		122	
			Origin: New origin	×	
			Accuracy: Normal	~	
	Read material		Objects: All objects	*	
Preview	Read material		Objects: All objects]	

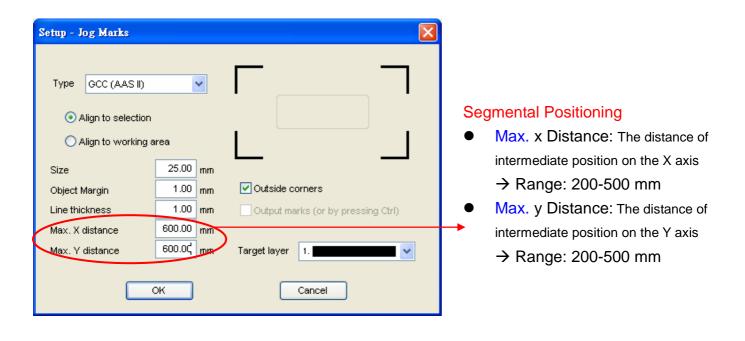
Step 5. Click output and the object will be sent to GCC Cutting Plotter

Advanced Settings

Segmental Positioning

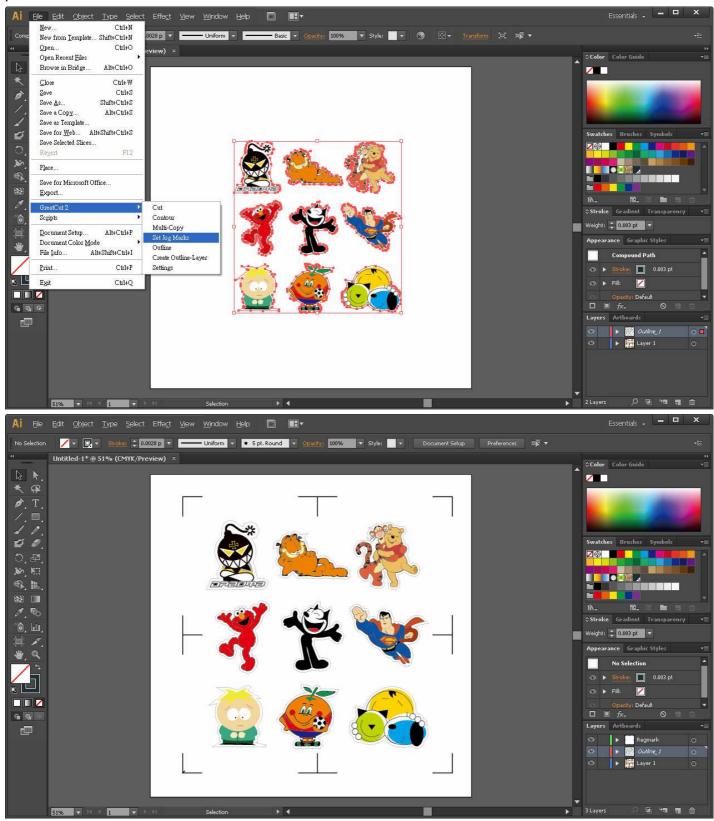
For precise cutting quality, it is suggested to apply "Segmental Positioning" by adjusting the x and y distance when you are working on an extra long or large-size image to increase cutting quality.

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





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



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



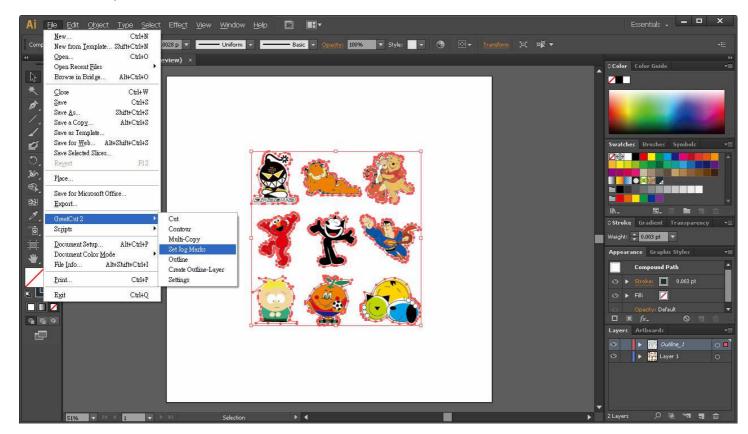
Multiple Copies

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

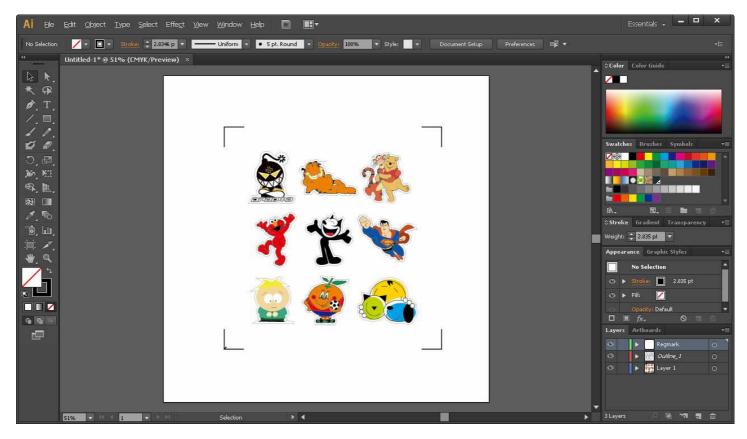
Setup - Jog Marks		
Type GCC (AAS II)	~	
Align to working		
Object Margin	1.00 mm _	Outside corners
Line thickness	1.00 mm	Output marks (or by pressing Ctrl)
Max. X distance	600.00 mm	
Max. Y distance	6þ0.00 <mark>mm</mark>	Target layer 1.
	ок	Cancel

When you apply the "Multiple Copies" function, the value that has been set in this section will still be applied.

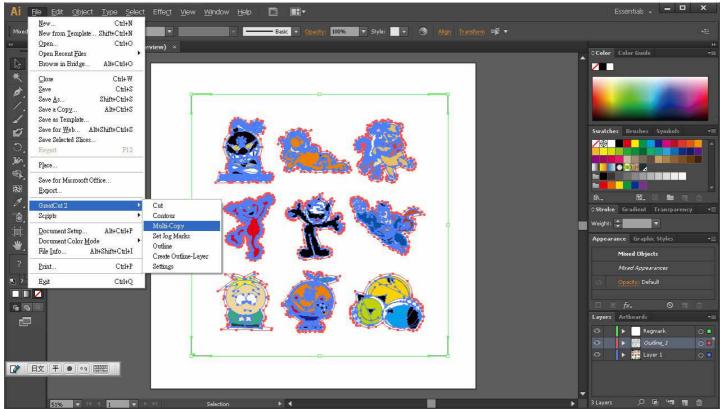
Click the Set Jog Marks Icon in the GreatCut 2 toolbar and the system will create the 4 marks as shown in the picture below.







Click Multi-Copy in GreatCut2 under File.





Complete the Number in X/Y (the number of copies desired on the X/Y axis) and Distance in X/Y (distance between each copy) settings then click OK.

Multi-Copy			
Number in X	2	*	
Number in Y	2	\$	
Distance in X	0.00	-	mm
Distance in Y	0.00	*	mm
	Distance to object	~	
OK Cancel			

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

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



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