## **GreatCut Plug-In Instruction**

The user manual of GreatCut software is available on the i-Craft<sup>™</sup> installation DVD.

#### GCC AASII System

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

### Edit your image in CoreIDRAW

#### 4-Point Positioning

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





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



Contour lines will be added to the images.



#### Tips: Vector object to create round outline

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



#### Normal

Round

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

| GreatCut3 | Outline       Automatic welding         Opfset:       2.00 mm         Copies:       1         Delete original       Ignore inner objects         Outline       Do not modify corners         Image: Outline & Inline       Cut corners         Outline & Inline       Round corners         Delete objects       2.00 mm         Tolerance       1. |
|-----------|---|
|           | OK Cancel   |

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

#### I-C<sub>RAFT</sub>™

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



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

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

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

| Setup - Register Marks  | × 4-Point Positioning   |
|---|---|
| Type       GCC (AAS II)            • Align to selection             • Align to working area          Size       25.00 mm         Object Margin       5.00 mm         Line thickness       1.00 mm         Max. X distance       600.00 mm         Max. Y distance       600.00 mm         OK       Cancel | <ul> <li>Size: The length of marks         <ul> <li>→ Range: 5mm~50mm</li> <li>→ Optimized Setting: 25mm</li> </ul> </li> <li>Object margin: The distance between marks and images         <ul> <li>→ Range: 0mm~50mm</li> <li>→ Optimized Setting: 5mm</li> <li>Line thickness: the line thickness of marks             <ul> <li>→ Range: 1mm~2mm</li> <li>→ Optimized Setting: 1mm</li> </ul> </li> </ul></li></ul> |

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

Settings

| ings                |              |   | > |
|---------------------|--------------|---|---|
| Eurosystems         | Software:    | GreatCut 4  |   |
| J                   | log marks:   | GCC (AAS II)  |   |
| Ex                  | port Path:   |   |   |
| Name of layer for J | og Marks:    | Regmark   |   |
| Name of layer for   | or Outline:  | Outline   |   |
|                     |              | Output Parameters   |   |
| D                   | uring the cu | Show always contour and outline settings 🗹<br>ut process only transfer "Regmark" and "Outline" layer 🗹<br>Create new file while cutting 🖌 |   |
| L_                  |              | Open output dialog while cutting  |   |
|                     |              | OK Cancel   |   |



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



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



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#### Note:

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



25mm



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

Table 1

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

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

Output

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



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



## Step 3 Select Output under File.

| wrc. GreatCut 4 - [(untitled - 1) *]                      |
|---|
| 🚧 🎫 Edit Design View Iools Settings Window Help           |
| - <u>New</u> Ctrl+N · · · · · · · · · · · · · · · · · · · |
| X Open Ctrl+L %   |
| Vi Save Ctri+S to All Assign                              |
|   |
| Send by Email   |
| Import Ctrl+I   |
| Export Ctrl+E   |
| Print Ctda D  |
| per Output S  |
| 7 A Quit Ctrl+Q   |
|   |
|   |
|   |
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|   |
| 8   |
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|   |
| 1 5m3 5m3 m   |
|   |
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|   |

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

| Device: GCC Jaguar V LX 61<br>Iode: Cut with AAS<br>Output Profile: Foil<br>Manage Profiles | Number of outputs:       1       Output only tool-assigned layers         Number of copies:       1       Ceep reference point         Stack spacing:       0.00 mm       Plot to file         Weed border:       2.00 mm       Enable tool tips         Copies spacing:       0.00 mm       Wait after segment |
|---|---|
| Parameter   | Complete the settings of A  |
| AAS Offset origin X [mm]  | 0.00 Offset, Pressure, Speed,   |
| AAS Offset origin Y [mm]  | 0.00  |
| Speed (cm/s)  | 15 IVIaterial width and so on.  |
| Material width [mm]   | 208.43  |
| Length [mm]   | 320.18 Sort Options   |
| Number of outputs in X-direction  | 1   |
| Number of outputs in Y-direction  | 1   |
| Distance between copies [mm]  | 10.00   |
| Step count  | 1   |
|   |   |
|   |   |
|   |   |
|   | literard literard   |
|   | Accuracy: Normai  |
|   | Origin: New origin V  |
|   | Objects: All objects ~  |
|   |   |



| Output to device GC  | C Jaguar V LX 61                       |   |                         |                            |
|--|--|---|-------------------------|----------------------------|
| Output   |  |   |                         |                            |
| Device:<br>Mode:   | GCC Jaguar V LX 61 ~<br>Cut with AAS ~ | Number of outputs: 1<br>Number of copies: 1<br>Stack spacing: 0.00 mm | Output only Keep refere | tool-assigne<br>ince point |
| Output Profile:  | Foil V                                 | Weed border: 2.00 mr<br>Copies spacing: 0.00 mr                       | Enable tool             | ips<br>egment              |
| Parameter<br>AAS Offset origin<br>AAS Offset origin<br>Pressure [0]    | X [mm]<br>Y [mm]                       | Value<br>0.00<br>0.00   | Sort before             | output                     |
| Speed [cm/s]<br>Material width [mm<br>Length [mm]<br>Number of outputs | ]<br>in X-direction                    | 50<br>208.43<br>320.18<br>1   |                         | Sort Options               |
| Number of outputs<br>Distance between<br>Step count                    | in Y-direction<br>copies [mm]          | 1<br>10.00<br>1   |                         |                            |
|  |  |   | Accuracy:               | Normal                     |
|  |  |   | Origin:                 | New origin                 |
| 1  |  |   | Objects:                | All objects                |

| Output             |                           |  |              |                        |  |
|--------------------|---------------------------|--|--------------|------------------------|--|
| Device:            | GCC Jaguar V LX 61 $\vee$ | Number of outputs: 1   | Output only  | v tool-assigned layers |  |
| Mode:              | Cut with AAS ~            | Number of copies:         1           Stack spacing:         0.00 mm | Plot to file | tion                   |  |
| Output Profile:    | Foil ~                    | Weed border: 2.00 mm   | Wait after r | ups                    |  |
|                    | Manage Profiles           | Copies spacing. 0.00 min   |              | Save settings          |  |
| Parameter          |                           | Value  | Sort before  | output                 |  |
| AAS Offset origin  | X [mm]                    | 0.00   |              |                        |  |
| AAS Offset origin  | Y [mm]                    | 0.00   |              |                        |  |
| Pressure [g]       |                           | 15   | 0.000        | τŪ                     |  |
| Speed [cm/s]       |                           | 50   | 50           |                        |  |
| Material width [mm | 1                         | 208.43   |              | Out Outing             |  |
| Length [mm]        |                           | 320.18   |              | Sort Options           |  |
| Number of outputs  | in X-direction            | 1  |              |                        |  |
| Number of outputs  | in Y-direction            | 1  |              |                        |  |
| Distance between   | copies [mm]               | 10.00  |              |                        |  |
| Step count         |                           | 1  |              |                        |  |
|                    |                           |  |              |                        |  |
|                    |                           |  | Accuracy:    | Normal                 |  |
|                    |                           |  | Origin:      | New origin             |  |
|                    |                           |  | Objects:     | All objects            |  |
|                    | Job will be segmented!    |  |              | Test drive             |  |

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



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

## Advanced Settings

#### Segmental Positioning

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

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



| 2 Press the button on the right of Jog r | narks.   |
|--|--|
| Settings                                 |  |
| Eurosystems Software:                    | GreatCut 4 · ·   |
| Jog marks:                               | GCC (AAS II)   |
| Export Path:                             |  |
| Name of layer for Jog Marks:             | Regmark  |
| Name of layer for Outline:               | Outline  |
|  | Output Parameters  |
|  | Show always contour and outline settings                 |
| During the c                             | ut process only transfer "Regmark" and "Outline" layer 🔽 |
|  | Create new file while cutting                            |
|  | Open output dialog while cutting                         |
|  |  |

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

OK

Cancel

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

×

~

Cancel

| Step 4 E | nsure the | three items b         | elow are sele | cted and click OK. |  |
|----------|-----------|-----------------------|---------------|--------------------|--|
|          | Settings  |                       |               |                    |  |
|          |           | Eurosystems Software: |               | GreatCut 4         |  |
|          |           |                       | Jog marks:    | GCC (AAS II)       |  |
|          |           |                       |               |                    |  |

Name of layer for Jog Marks:

Export Path:

Name of layer for Outline: Outline

Regmark

Output Parameters...

During the cut process only transfer "Regmark" and "Outline" layer 🔽

Show always contour and outline settings 🔽

OK

Create new file while cutting

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



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



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

#### Multi-Copy

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



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





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



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



#### Step 5 Select Output under File.

| ætte: ( | era: GreatCut 4 - [(untitled - 1) *] |                             |                            |  |  |  |  |
|---------|--------------------------------------|-----------------------------|----------------------------|--|--|--|--|
| int Co  | <u>F</u> ile                         | <u>E</u> dit <u>D</u> esign | <u>V</u> iew <u>T</u> ools |  |  |  |  |
|         | 2                                    | <u>N</u> ew                 | Ctrl+N                     |  |  |  |  |
| X.      | 5                                    | Open                        | Ctrl+L                     |  |  |  |  |
| ~       | ы                                    | <u>S</u> ave                | Ctrl+S                     |  |  |  |  |
| : •••   | R                                    | Save <u>A</u> s             | Shift+Ctrl+S               |  |  |  |  |
| R       | 3                                    | Send by E <u>m</u> ail      |                            |  |  |  |  |
| ŝ       | 4                                    | Import                      | Ctrl+I                     |  |  |  |  |
|         | ÷.                                   | E <u>x</u> port             | Ctrl+E                     |  |  |  |  |
| X       | 4                                    | <u>P</u> rint               | Ctrl+P                     |  |  |  |  |
| T       | 7=7                                  | Ou <u>t</u> put             | S                          |  |  |  |  |
|         | ŀ.                                   | <u>Q</u> uit                | Ctrl+Q                     |  |  |  |  |

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

| Itput to device GCC I-Craft      |                    |         |  | - |
|----------------------------------|--------------------|---------|--|---|
| Output                           |                    |         |  |   |
| Device: GCC i-Craft 🔹            | Number of outputs: | 1       | Output only tool-assigned layers   |   |
|                                  | Number of copies:  | 1       | Keep reference point   |   |
| Mode: Cut with AAS               | Stack spacing:     | 5.00 mm | Plot to file   |   |
|                                  | Weed border:       | 2.00 mm | <ul> <li>Enable tool tips</li> <li>Disable sending of technology data</li> </ul> |   |
|                                  | Copies spacino:    | 2.00 mm | Wait after segment   |   |
| Manage Profiles                  | Segment analoing:  | 0.00 mm |  |   |
| indiage Fromes                   | Segment spacing.   | 0.00 mm | Save settings  | _ |
|                                  |                    |         |  |   |
| Parameter                        | Value              |         | Sort before output   |   |
| AAS Offset origin X [mm]         | 0.00               |         | 0.1  |   |
| AAS Ottset origin Y [mm]         | 0.00               |         | Actual Setting:  |   |
| Pressure [y]<br>Sneed [cm/s]     | 21                 |         | Search for best Sort Method  |   |
| Material width [mm]              | 208.43             |         |  |   |
| Length [mm]                      | 320.18             |         | Sort Options   |   |
| Number of outputs in X-direction | 2                  |         |  |   |
| Number of outputs in Y-direction | 2                  |         |  |   |
| Distance between copies [mm]     | 0.00               |         |  |   |
| Step count                       | 1                  |         |  |   |
|                                  |                    |         |  |   |
|                                  |                    |         |  |   |
|                                  |                    |         |  |   |
|                                  |                    |         | Accuracy: Normal   |   |
|                                  |                    |         | O inite New existe   | _ |
|                                  |                    |         |  | - |
|                                  |                    |         | Objects: Selected objects  | • |
| Job will be segmented!           |                    |         | Test drive   |   |
| Preview Output                   | Read m             | aterial | Cancel   |   |

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

| h,  | ₽   |         | 9     | 1    | ¶₽  | e <sup>o</sup> | 5       | 5 | 10  |  |
|-----|-----|---------|-------|------|-----|----------------|---------|---|-----|--|
| ę., | A U | Intitle | Multi | -Cop | y 📔 |                |         |   |     |  |
|     | 1   | 350     |       | 300  |     | 250            | <br>200 |   | 150 |  |

N

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

| Number in X   | 2                  | +  |      |
|---------------|--------------------|----|------|
| Number in Y   | 2                  | +  |      |
| Distance in X | 0.00               | +  | mm   |
| Distance in Y | 0                  | -  | mm   |
|               | Distance to object | ~  |      |
|               | ОК                 | Ca | ncel |

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





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

|              | CorelDRA           | W X8 (6          | 4-Bit) - Un    | titled |
|--------------|--------------------|------------------|----------------|--------|
| <u>F</u> ile | <u>E</u> dit       | <u>V</u> iew     | <u>L</u> ayout | Ob     |
| C            | <u>N</u> ew        |                  | Ctrl+1         | N      |
| Ē            | New <u>f</u> ro    | m Temp           | late           |        |
| D            | <u>O</u> pen       |                  | Ctrl+(         | C      |
|              | Open <u>R</u> e    | ecent            |                | •      |
| <b>≊×</b>    | <u>C</u> lose      |                  |                |        |
| Ę            | C <u>l</u> ose Al  | l i              |                |        |
| Ŧ            | Save               |                  | Ctrl+          | s      |
| ¢ <b>P</b>   | Save <u>A</u> s.   | (                | Ctrl+Shift+    | s      |
| 8            | Save as            | Te <u>m</u> plat | e              |        |
| e.o          | Rever <u>t</u>     |                  |                |        |
|              | Ac <u>q</u> uire   | Image            |                | •      |
| ×            | Search C           | Content          |                |        |
| [†]          | Import             |                  | Ctrl+          | -I     |
| 1            | <u>E</u> xport     |                  | Ctrl+          | E      |
|              | Export F           | o <u>r</u>       |                | •      |
|              | Sen <u>d</u> To    |                  |                | •      |
| PDF<br>191   | Publis <u>h</u> t  | O PDF            |                |        |
| 4            | <u>P</u> rint      |                  | Ctrl+          | Р      |
|              | Print Me           | rge              |                | •      |
| 1            | P <u>r</u> int Pre | view             |                |        |
| +            | Collect F          | or O <u>u</u> tp | ut             |        |
| [s=          | Docume             | nt Prope         | erties         |        |
| U            | E <u>x</u> it      |                  | Alt+F          | 4      |

Step 11 Go to GreatCut window, press Output button.

| Output to device GC | C i-Craft              |                    |         | ? <mark>×</mark>                   |
|---------------------|------------------------|--------------------|---------|------------------------------------|
| Output              |                        |                    |         |                                    |
| Device:             | GCC i-Craft 🗸          | Number of outputs: | 1       | Output only tool-assigned layers   |
|                     |                        | Number of copies:  | 1       | Keep reference point               |
| Mode:               | Cut with AAS 🗸         | Stack spacing:     | 5.00 mm | Plot to file                       |
|                     |                        |                    | 0.00    | Enable tool tips                   |
| Output Profile:     | Foil 🔹                 | weed border:       | 2.00 mm | Disable sending of technology data |
|                     |                        | Copies spacing:    | 2.00 mm | Wait after segment                 |
|                     | Manage Profiles        | Segment spacing:   | 0.00 mm | Save settings                      |
|                     |                        |                    |         |                                    |
| Parameter           |                        | Value              |         | Sort before output                 |
| AAS Offset origin   | X [mm]                 | 0.00               |         | 0.1                                |
| AAS Offset origin   | Y [mm]                 | 0.00               |         | Actual Setting:                    |
| Pressure [g]        |                        | 80                 |         | Search far heat Sart Mathed        |
| Speed [cm/s]        |                        | 21                 |         | B Search for best Soft Method      |
| Material width [mn  | 1                      | 208.43             |         | Sort Options                       |
| Number of outputs   | in V direction         | 320.10             |         |                                    |
| Number of outputs   | in X direction         | 2                  |         |                                    |
| Distance between    | copies [mm]            | 0.00               |         |                                    |
| Step count          | copies [min]           | 1                  |         |                                    |
|                     |                        |                    |         |                                    |
|                     |                        |                    |         |                                    |
|                     |                        |                    |         |                                    |
|                     |                        |                    |         |                                    |
|                     |                        |                    |         | Accuracy: Normal 🔻                 |
|                     |                        |                    |         | Origin: New origin 🗸               |
|                     |                        |                    |         | Objects: Selected objects          |
|                     | Job will be segmented! |                    |         | Test drive                         |
|                     |                        |                    |         |                                    |
| Prev                | Output                 | Read mate          | erial   | Cancel                             |

#### Edit your image in Adobe Illustrator

#### 4-Point Positioning

#### Step 1 Create a new file in Adobe Illustrator.



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





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

| Contour Line   | ×                               |   |
|--|---------------------------------|---|
| Find Contour         Maximum gray scale       97       %         Background       Tolerance       0       %         Accuracy:       Very high (slower)       • | Color<br>Change                 |   |
| Keep interior elements  Distance and Line Guidance Contour offset:  Corner  Normal   | Extended<br>Cancel<br>Calculate | Contour offset is the distance<br>between the object and the<br>contour line. |

#### Contour line is now added to the object.



#### Tips: Vector object to create round outline

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





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

Round

|                                  |  |  | Outline ? ×   |
|----------------------------------|--|--|---|
| Constituted in                   | Ň  | C.t.   | Offset:     2.00     mm       Copies:     1         Image: Copies:     1         Image: Copies:     1 |
| Package<br>Scripts               | GreatCut 4     >     Cut       Package     Alt+Shift+Ctrl+P     Direct cutting       Scripts     >     Contour       Multi-Copy     Multi-Copy | Cut<br>Direct cutting<br>Contour<br>Multi-Copy | C Outline<br>C Inline<br>C Outline & Inline<br>C Outline & Inline<br>C Outline & Inline               |
| Document Color Mode<br>File Info | Alt+Shift+Ctrl+I   | hift+Ctrl+I Welding                            | Delete objects smaller than: 2.00 mn Tolerance 0.50   |
| Exit                             | Ctrl+P<br>Ctrl+Q   | Export<br>Export<br>Settings                   | OK Cancel   |

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



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

| Settings              | ×  |
|-----------------------|--|
| Eurosystems So        | ftware: GreatCut 4   |
| Jog                   | marks: GCC (AAS II)  |
| Expor                 | t Path:  |
| Name of layer for Jog | Marks: Regmark   |
| Name of layer for C   | Dutline: Outline   |
|                       | Output Parameters  |
|                       | Show always contour and outline settings 💟                       |
| Durin                 | ng the cut process only transfer "Regmark" and "Outline" layer 🔽 |
|                       | Create new file while cutting                                    |
|                       | Open output dialog while cutting                                 |
|                       | OK Cancel  |

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

| Setup - Register Mark  | s   | >  | < 4-Point Positioning   |
|--|---|--|---|
| Setup - Register Marks<br>Type GCC (AAS I<br>Align to select<br>Align to workin<br>Size<br>Object Margin<br>Line thickness | s<br>II) ~<br>tion<br>ng area<br>25.00 mm<br>5.00 mm<br>1.00 mm | Outside corners Output marks (or by pressing Ctrl) | <ul> <li>4-Point Positioning</li> <li>Size: The length of marks         <ul> <li>→ Range: 5mm~50mm</li> <li>→ Optimized Setting: 25mm</li> </ul> </li> <li>Object margin: The distance between marks and images         <ul> <li>→ Range: 0mm~50mm</li> <li>→ Optimized Setting: 5mm</li> </ul> </li> </ul> |
| Max. X distance<br>Max. Y distance   | 600.00 mm<br>600.00 mm  | Target layer 1. Cancel                             | <ul> <li>Line thickness: the line thickness of marks</li> <li>→ Range: 1mm~2mm</li> <li>→ Optimized Setting: 1mm</li> </ul>   |

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

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



#### Step 8 Click Set Jog Marks on GreatCut under File.



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



## Output Step 1 Select both the entire object (including registration marks and the contour line) then click



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



## Step 3 Select Output under File.

|         | Edit Decian            | View Tools   | Settings       | Window | Halp                                     |         |      |     |       |
|---------|------------------------|--------------|----------------|--------|--|---------|------|-----|-------|
|         | <u>N</u> ew            | Ctrl+N       | <u>setungs</u> |        |  | 67 6    |      | 0   | 2     |
| × 5     | Open                   | Ctrl+L       |                |        |  |         |      |     | E     |
|         | Save                   | Ctrl+S       | 70 I           |        |  | • 🗌 All |      | ian |       |
| R       | Save As                | Shift+Ctrl+S | 0              |        | 100                                      |         | 200  |     | 300   |
| 5       | Send by E <u>m</u> ail |              |                |        | L. L | Lini    | Liii |     | L i i |
| 14      | Import                 | Ctrl+I       |                |        |  |         |      |     |       |
| -       | E <u>x</u> port        | Ctrl+E       |                |        |  |         |      |     |       |
| 4       | <u>P</u> rint          | Ctrl+P       |                |        |  |         |      |     |       |
| 7-1     | Ou <u>t</u> put        | S            |                |        |  |         |      |     |       |
| - b     | Quit                   | Ctrl+Q       |                |        |  |         |      |     |       |
| 200 300 |                        |              |                | ~      | 2 ~                                      | ~?      |      |     |       |

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

| Device:            | GCC Jaquar V I X 61 | ×            | Number of outpute:              | 1                  | Output only  | tool conigned layor                     |   |
|--------------------|---------------------|--------------|---------------------------------|--------------------|--|---|---|
| Mode:              | Cut with AAS        | ~            | Number of copies:               | 1<br>0.00 mm       | Cutput only  Keep refere Plot to file  Fashle tool | ence point                              | 8 |
| Output Profile:    | Foil                | ~            | Weed border:<br>Copies spacing: | 2.00 mm<br>0.00 mm | Wait after s                                       | egment                                  |   |
|                    | Manage Profiles     |              |                                 |                    |  | Save setting                            | S |
| Parameter          |                     | 197          | Value                           |                    |  |   |   |
|                    | V (mm)              |              | 0.00                            |                    | Sort before  | output                                  |   |
| AAS Offeet origin  | ∧ [mm]              |              | 0.00                            |                    | D1   |   |   |
| Preseure [n]       | r frand             |              | 15                              | 15                 |  | · • • • • • • • • • • • • • • • • • • • |   |
| Speed [cm/s]       |                     |              | 50                              |                    |  |   |   |
| Vaterial width [mm | 1                   |              | 208.43                          |                    |  |   |   |
| enoth (mm)         |                     |              | 320.18                          |                    |  | Sort Options                            |   |
| Number of outputs  | in X-direction      |              | 1                               |                    |  |   |   |
| Number of outputs  | in Y-direction      |              | 1                               |                    |  |   |   |
| Distance between   | copies (mm)         |              | 10.00                           |                    |  |   |   |
| Step count         |                     |              | 1                               |                    |  |   |   |
|                    |                     |              |                                 |                    |  |   |   |
|                    |                     |              |                                 |                    |  |   |   |
|                    |                     |              |                                 |                    |  |   |   |
|                    |                     |              |                                 |                    |  |   |   |
|                    |                     |              |                                 |                    | Accuracy:  | Normal                                  |   |
|                    |                     |              |                                 |                    | Origin:  | New origin                              |   |
|                    |                     |              |                                 |                    | Objects:   | All objects                             |   |
|                    | Job will be         | e segmented! |                                 |                    |  | Test drive                              |   |
|                    | Job will be         | e segmented! |                                 |                    |  | Test drive                              |   |
|                    | aw.                 | Output       | Read m                          | aterial            |  | Cancel                                  |   |



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

| Device:<br>Mode:<br>Output Profile: | GCC Jaguar V LX 61        Cut with AAS        Foil        Manage Profiles | Number of outputs: 1<br>Number of copies: 1<br>Stack spacing: 0.00 mm<br>Weed border: 2.00 mm<br>Copies spacing: 0.00 mm | Output only tool-assigned layers CREP reference point Plot to file Enable tool tips Wait after segment Save settings |
|-------------------------------------|---|--|--|
| arameter<br>AS Offset origin        | X [mm]  | Value<br>0.00  | Sort before output   |
| AS Offset origin                    | Y [mm]  | 0.00   | Actual Setting:  |
| peed [cm/s]                         |   | 50   |  |
| aterial width Imm                   | 1   | 208.43   |  |
| ength [mm]                          | •0  | 320.18   | Sort Options   |
| umber of outputs                    | in X-direction  | 1  |  |
| umber of outputs                    | in Y-direction  | 1  | 1  |
| istance between                     | copies [mm]   | 10.00  |  |
| tep count                           |   | 1  |  |
|                                     |   |  |  |
|                                     |   |  | Accuracy: Normal   |
|                                     |   |  | Origin: New origin   |
|                                     |   |  | Objects: All objects   |
|                                     | Job will be segmented!  |  | Test drive   |

| Output             |                        |  |                |                                      |
|--------------------|------------------------|--|----------------|--------------------------------------|
| Device:            | GCC Jaguar V LX 61 ~   | Number of outputs:         1           Number of copies:         1 | Output only    | r tool-assigned layers<br>ence point |
| mode.              | Cut with AAS           | Stack spacing: 0.00 mm   |                | tine                                 |
| Output Profile:    | Foil 🗸                 | Weed border: 2.00 mm<br>Copies spacing: 0.00 mm                    | Wait after s   | segment                              |
|                    | Manage Profiles        |  |                | Save settings                        |
| Parameter          |                        | Value  | Sort before    | e output                             |
| AAS Offset origin  | X [mm]                 | 0.00   | _              |                                      |
| AAS Offset origin  | Y [mm]                 | 0.00   | Actual Setting | g:                                   |
| Pressure [g]       |                        | 15   | -              |                                      |
| Speed [cm/s]       |                        | 50   |                |                                      |
| Material width [mm | 1                      | 208.43   |                | Sort Options                         |
| Length [mm]        | in V dissetion         | 320.18   | -              |                                      |
| Number of outputs  | in X-direction         | 1  | -              |                                      |
| Distance between   |                        | 10.00  |                |                                      |
| Sten count         | copies [min]           | 1  |                |                                      |
|                    |                        |  | -              |                                      |
|                    |                        |  |                |                                      |
|                    |                        |  | Accuracy:      | Normal                               |
|                    |                        |  | Origin:        | New origin                           |
|                    |                        |  | Objects:       | All objects                          |
|                    | Job will be segmented! |  |                | Test drive                           |

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



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

### **Advanced Settings**

#### Segmental Positioning

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

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





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

#### Settings

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

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

| Setup - Register Marks  | >  | ¢  |
|---|--|--|
| Type GCC (AAS II) ~   |  | Segmental Positioning  |
| Size 25.00 m<br>Object Margin 5.00 m<br>Line thickness 1.00 m<br>Max. X distance 600.00 m<br>Max. Y distance 600.00 m | n m Outside corners m Output marks (or by pressing Ctrl) Target layer Cancel | <ul> <li>Max. x Distance: The distance of intermediate position on the X axis</li> <li>→ Range: 200-500 mm</li> <li>Max. y Distance: The distance of intermediate position on the Y axis</li> <li>→ Range: 200-500 mm</li> </ul> |



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





#### Multi-Copy

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

| Setup - Register Marks   | ×      |  |
|--|--------|--|
| Type GCC (AAS II)<br>Align to selection<br>Align to working area<br>Size 25.00 mm<br>Object Margin 5.00 mm<br>Line thickness 1.00 mm<br>Max. X distance 600.00 mm<br>Max. Y distance 600.00 mm | Cancel | When you apply the "Multiple<br>Copies" function, the value that<br>has been set in this section will<br>still be applied. |

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







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



### **I-**C<sub>RAFT</sub>™



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



## Step 5 Select Output under File.

| æ10. ( | Great        | tCut 4 - [(untitle          | d - 1) *]    |               |
|--------|--------------|-----------------------------|--------------|---------------|
| and Co | <u>F</u> ile | <u>E</u> dit <u>D</u> esign | <u>V</u> iew | <u>T</u> ools |
|        | 2            | <u>N</u> ew                 | C            | trl+N         |
| ×      |              | <u>O</u> pen                | C            | trl+L         |
| ~      | ы            | <u>S</u> ave                | C            | trl+S         |
| :      | R            | Save <u>A</u> s             | Shift+C      | trl+S         |
| R      | 3            | Send by E <u>m</u> ail      |              |               |
| , ltr  | 4            | Import                      | 0            | Ctrl+I        |
|        | 4            | E <u>x</u> port             | C            | trl+E         |
| X      | ۲)           | <u>P</u> rint               | C            | trl+P         |
| P      | 7=7          | Ou <u>t</u> put             |              | S             |
|        | ţ.           | <u>Q</u> uit                | G            | trl+Q         |

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

| (  | Output to device GCC | Ci-Craft               | ì        | -                |         |    | -              | ?                       | x |
|----|----------------------|------------------------|----------|------------------|---------|----|----------------|-------------------------|---|
| ſ  | Output               |                        |          |                  |         |    |                |                         |   |
| ł  | Device:              | GCC LCraft             | Nu       | mber of outpute: | 1       |    | Output only    | tool appianed lavera    |   |
|    |                      | obor clair .           | 110      | mber of outputs. |         |    | Keen refere    | nce point               |   |
| I. | Mode:                | Cut with AAS           | N        | umber of copies: | 1       |    | Plot to file   | nee point               |   |
|    | L L                  |                        | S        | tack spacing:    | 5.00    | mm | Enable tool t  | tips                    |   |
| 1  | Output Profile:      | Foil                   | <b>V</b> | Veed border:     | 2.00    | mm | Disable sen    | ding of technology data | n |
|    |                      |                        |          | Copies spacing:  | 2.00    | mm | 🔲 Wait after s | egment                  |   |
|    |                      | Manage Profiles        | s        | egment spacing:  | 0.00    | mm |                | Save settings           |   |
|    |                      |                        |          |                  |         |    |                |                         |   |
|    | Parameter            |                        |          | Value            |         |    | Sort before    | output                  |   |
|    | AAS Offset origin >  | X [mm]                 |          | 0.00             |         |    |                |                         |   |
|    | AAS Offset origin \  | Y [mm]                 |          | 0.00             |         |    | Actual Setting | i Nt                    |   |
|    | Pressure [g]         |                        |          | 80               |         |    |                | ŧυ                      |   |
|    | Speed [cm/s]         |                        |          | 21               |         |    | Search for I   | best Sort Method        |   |
|    | Material width [mm]  | 1                      |          | 208.43           |         |    |                | Sort Ontions            |   |
|    | Length [mm]          |                        |          | 320.18           |         |    |                | Soft Options            |   |
|    | Number of outputs    | in X-direction         |          | 2                |         |    |                |                         |   |
|    | Number of outputs    | in Y-direction         |          | 2                |         |    |                |                         |   |
|    | Distance between     | copies [mm]            |          | 0.00             |         |    |                |                         |   |
|    | Step count           |                        |          | 1                |         |    |                |                         |   |
|    |                      |                        |          |                  |         |    |                |                         |   |
|    |                      |                        |          |                  |         |    |                |                         |   |
|    |                      |                        |          |                  |         |    |                |                         |   |
|    |                      |                        |          |                  |         |    | Accuracy:      | Normal                  | - |
|    |                      |                        |          |                  |         |    | Accuracy.      |                         |   |
|    |                      |                        |          |                  |         |    | Origin:        | New origin              | • |
|    |                      |                        |          |                  |         |    | Objects:       | Selected objects        | • |
|    |                      | Job will be segmented! |          |                  |         |    |                | Test drive              |   |
|    | Previe               | ew Output              |          | Read ma          | aterial |    |                | Cancel                  |   |





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

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

| Multi-Copy    |                    |     | ×    |
|---------------|--------------------|-----|------|
| Number in X   | 2                  | +   |      |
| Number in Y   | 2                  | +   |      |
| Distance in X | 0.00               | +   | mm   |
| Distance in Y | 0                  | -   | mm   |
|               | Distance to object | ~   |      |
|               | ОК                 | Car | ncel |

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

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



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

| File | Edit      | Object      | Туре       | Select | Effect     | View V  |
|------|-----------|-------------|------------|--------|------------|---------|
|      | New       |             |            |        |            | Ctrl+N  |
|      | New fro   | om Templ    | ate        |        | Shift+     | Ctrl+N  |
|      | Open      |             |            |        |            | Ctrl+0  |
|      | Open R    | ecent File  | s          |        |            | •       |
|      | Browse    | in Bridge.  |            |        | Alt+       | Ctrl+0  |
|      | Close     |             |            |        | (          | Ctrl+W  |
|      | Save      |             |            |        |            | Ctrl+S  |
|      | Save As   | i           |            |        | Shift+     | Ctrl+S  |
|      | Save a (  | Сору        |            |        | Alt+       | Ctrl+S  |
|      | Save as   | Template    |            |        |            |         |
|      | Save fo   | r Web       |            | A      | Alt+Shift+ | -Ctrl+S |
|      | Save Se   | lected Slic | :es        |        |            |         |
|      | Revert    |             |            |        |            | F12     |
|      | Place     |             |            |        |            |         |
|      | Save for  | r Microsof  | ft Office. |        |            |         |
|      | Export    |             |            |        |            |         |
|      | GreatCu   | ut 4        |            |        |            | +       |
|      | Scripts   |             |            |        |            | +       |
|      | Docum     | ent Setup   |            |        | Alt+       | Ctrl+P  |
|      | Docum     | ent Color   | Mode       |        |            |         |
|      | File Info | o           |            |        | Alt+Shift  | +Ctrl+I |
|      | Print     |             |            |        |            | Ctrl+P  |
|      | Exit      |             |            |        |            | Ctrl+Q  |



| ut to device GCC i-Craft         |                      | _   | _                |            |                | ?                        |
|----------------------------------|----------------------|-----|------------------|------------|----------------|--------------------------|
| tout                             |                      |     |                  |            |                |                          |
| Device: GCC i-Craft              | •                    | Nu  | mber of outputs: | 1          | Output only    | tool-assigned layers     |
|                                  |                      | N   | umber of copies: | 1          | Keep refer     | ence point               |
| Mode: Cut with AAS               | •                    |     | Stack spacing:   | 5.00 mm    | Plot to file   |                          |
|                                  |                      |     | Veed border:     | 2.00 mm    | Enable tool    | tips                     |
| Output Profile: Foil             | •                    |     | Vecu border.     | 2.00 11111 | Disable ser    | iding of technology data |
|                                  |                      |     | Copies spacing:  | 2.00 mm    | 🔲 Wait after s | segment                  |
| Mana                             | ge Profiles          | 5   | Gegment spacing: | 0.00 mm    |                | Save settings            |
|                                  |                      |     |                  |            |                |                          |
| arameter                         |                      |     | Value            |            | Sort before    | output                   |
| AS Offset origin X [mm]          |                      |     | 0.00             |            |                |                          |
| AS Offset origin Y [mm]          |                      |     | 0.00             |            | Actual Setting | r [] <b>†</b>            |
| ressure [g]                      |                      |     | 80               |            |                | ŤΨ                       |
| peed [cm/s]                      |                      |     | 21               |            | Search for     | best Sort Method         |
| laterial width [mm]              |                      |     | 208.43           |            |                | Sort Options             |
| ength [mm]                       |                      |     | 320.18           |            |                | Sort Options             |
| lumber of outputs in X-direction |                      |     | 2                |            |                |                          |
| lumber of outputs in Y-direction |                      |     | 2                |            |                |                          |
| istance between copies [mm]      |                      |     | 0.00             |            |                |                          |
| itep count                       |                      |     | 1                |            |                |                          |
|                                  |                      |     |                  |            |                |                          |
|                                  |                      |     |                  |            |                |                          |
|                                  |                      |     |                  |            |                |                          |
|                                  |                      |     |                  |            | Accuracy:      | Normal                   |
|                                  |                      |     |                  |            | , toourdoy.    |                          |
|                                  |                      |     |                  |            | Origin:        | New origin               |
|                                  |                      |     |                  |            | Objects:       | Selected objects         |
|                                  | Job will be segmente | ed! |                  |            |                | Test drive               |
|                                  |                      |     |                  |            |                |                          |