



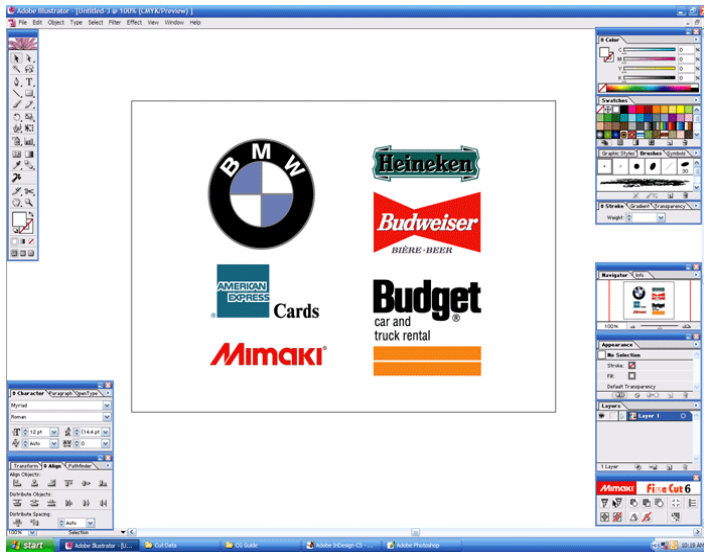
Vinyl Cutting with the CG-FX Series

Presented by Mimaki USA Technical Group



Setting up the File for Cutting

1. Open the vector file in Adobe Illustrator



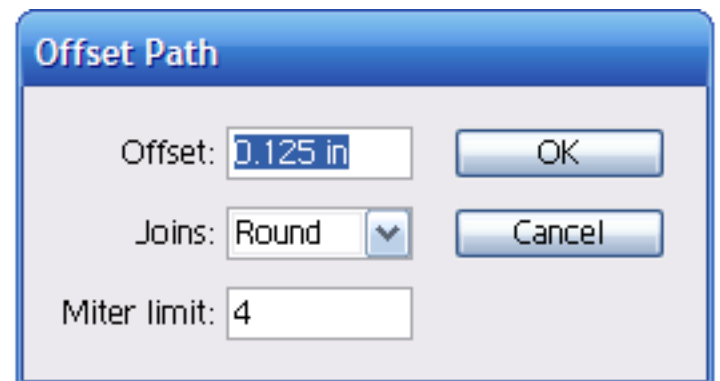
2. Select the objects to be cut



3. Click the “Frame Extraction” button on the Fine Cut Window



4. Set the amount of white space around the image



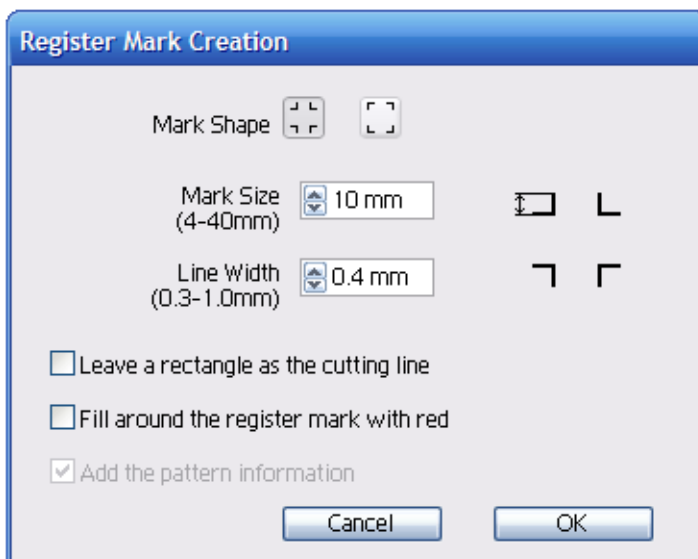
5. Draw a rectangle around the set of vector images



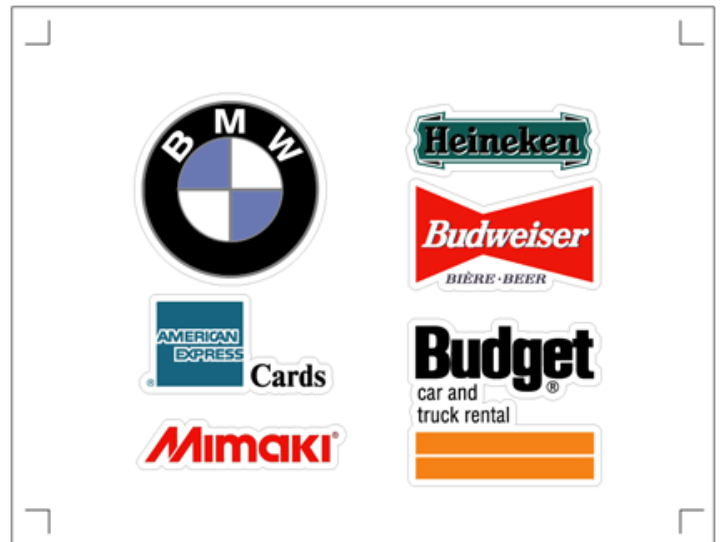
6. Click the “Register Mark Creation” button on the Fine Cut window



7. Select the options for the Registration Marks

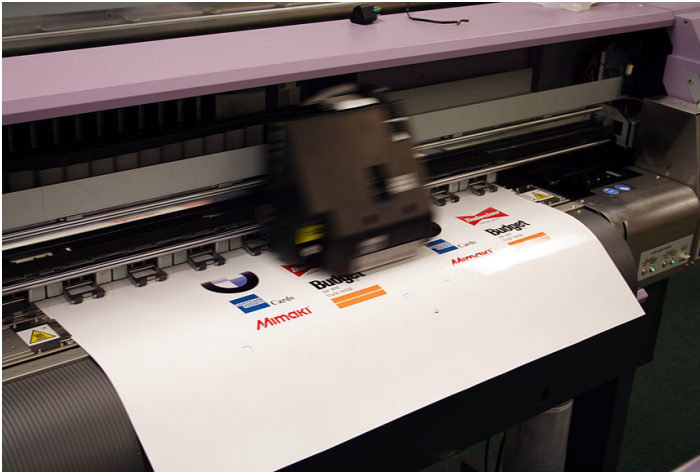


8. Your image is now ready to be printed and cut



Contour Cutting

1. Print your image with as many copies desired with your RIP software



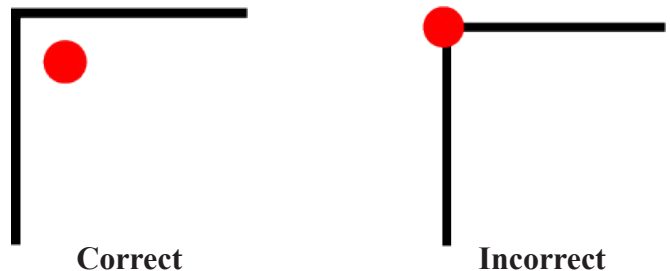
2. Check the mark detection settings on the plotter by following these steps:

- a. Press “Function” and down arrow to “Set Up”
- b. Press “Enter” and press “Enter” again on “Mark Detect”
- c. Set “Mark Detect: xxx” to 4pt for four point mark registration (*Could be set to 1pt, if using Fine Cut, to speed up process*)
- d. Set “Paper Hold” to “On” so the eye lowers while reading the marks
- e. Set “Distance Revision” to “Off” if using Fine Cut
- f. Set “Size” to 10mm or whatever size the registration marks are
- g. Set “offsetA” and “offsetB” both to 0.0mm
- h. Set “Form” to “TYPE1” or “TYPE2” depending on the marks used
- i. Set “Copies A” and “Copies B” to 0 so the software can control this
- j. Set “Spd Limit” to 10 or above to slow reading down on first set of marks
- k. Set “Skew Check” to 0

3. Load media into the CG-FX cutter and detect media width



4. Use arrow keys to jog LED light to correct position for mark detection using following guide and press “Enter” to detect the registration marks



5. Press the “Remote” on the plotter to prepare for cutting

6. Click the “Plotter/User Setup” button on the Fine Cut window to check settings



8. Click the “Plot” button on the Fine Cut window



7. Make sure of the following:

- a. Model is set to CG-FX(with mark sensor)
- b. Port is set to correct Com port if using serial, or correct USB port if using USB
- c. Click “Setup” to save any changes made

9. When the Fine Cut window appears do the following:

- a. Change the Layout to display the file the same way it is loaded in the plotter
- b. Click the “Register Mark” tab
- c. Click the “Detect Mark” button
- d. Change the Repeat numbers to match how many you have printed
- e. Click the check mark next to the layer with the artwork on it to hide it
- f. Click the “Plot...” button at the top
- g. Click “Ok” on the “Plot Out” dialog box and the plotter will begin

10. When the plotter finishes, you will have a sheet full of contour cut decals



Half Cutting

also known as “Die Cutting”

1. Print your image with as many copies desired with your RIP software



3. Enable the Half cut function in the plotter by following these steps:

- a. Press “Function” and down arrow to “Set Up”
- b. Press “Enter”, down arrow to “Half Cut” and press “Enter”
- c. Set “Half Cut: xxx” to On
- d. Set “Half Cut Pressure” to 0g
- e. Set “Half Cut Length” to 0.4mm
- f. Set “Cut Length” to 10mm
- g. Press “Enter” then “End” a couple times to get back to the local screen
- h. Press “Tool” until “Half” is on the screen
- i. Set speed to 20, pressure to 250, and offset to 0.30
- j. Press “Enter” and remove the tool from the plotter
- k. Extend the blade so it will be able to cut through the media backing
- l. Put the tool into the front tool holder so the blade lands on the sponge instead of the rubber

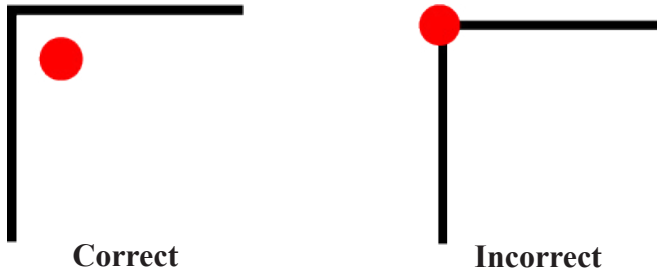
2. Check the mark detection settings on the plotter by following these steps:

- a. Press “Function” and down arrow to “Set Up”
- b. Press “Enter” and press “Enter” again on “Mark Detect”
- c. Set “Mark Detect: xxx” to 4pt for four point mark registration (*Could be set to 1pt, if using Fine Cut, to speed up process*)
- d. Set “Paper Hold” to “On” so the eye lowers while reading the marks
- e. Set “Distance Revision” to “Off” if using Fine Cut
- f. Set “Size” to 10mm or whatever size the registration marks are
- g. Set “offsetA” and “offsetB” both to 0.0mm
- h. Set “Form” to “TYPE1” or “TYPE2” depending on the marks used
- i. Set “Copies A” and “Copies B” to 0 so the software can control this
- j. Set “Spd Limit” to 10 or above to slow reading down on first set of marks
- k. Set “Skew Check” to 0

4. Load media into the CG-FX cutter and detect media width



5. Use arrow keys to jog LED light to correct position for mark detection using following guide and press “Enter” to detect the registration marks



7. Click the “Plotter/User Setup” button on the Fine Cut window to check settings



9. Click the “Plot” button on the Fine Cut window



6. Press the “Remote” on the plotter to prepare for cutting

8. Make sure of the following:

- Model is set to CG-FX(with mark sensor)
- Port is set to correct Com port if using serial, or correct USB port if using USB
- Click “Setup” to save any changes made

10. When the Fine Cut window appears do the following:

- Change the Layout to display the file the same way it is loaded in the plotter
- Click the “Register Mark” tab
- Click the “Detect Mark” button
- Change the Repeat numbers to match how many you have printed
- Click the check mark next to the layer with the artwork on it to hide it
- Click the “Plot...” button at the top
- Click “Ok” on the “Plot Out” dialog box and the plotter will begin

11. When the plotter finishes, you will be able to punch out all of the cut images with your hand

