

ALLEN DATAGRAPH

Technical Support Bulletin: Using QuickSand with Gerber Omega

Last Updated June 17, 2005

Abstract: This TSB describes the procedure to use Gerber Omega to create image areas for the Quicksand. All the files referenced in this tsb are in ([Web Site Copy](#) / [CD copy](#)).

Install Driver

First install the Allen DirectCut printer driver with output to File: using the Start -> All Programs -> Allen Datagraph -> Enable Printer Driver.

Uncheck all com ports and click on install driver.

Click yes you want to install driver with output to file.

Recheck any com ports unchecked above and close the program.

From the "Printers and Faxes" control panel program right click on the Allen DirectCut on File: driver. On the general page select "Printing Preferences" and turn on Multiple Pen Output and click on OK, OK.

Close printers and Faxes:

Shared Output Drive

Create a output drive connected to a directory on the network. See ([Web Site Copy](#) / [CD Copy](#))

Composer Options

Tools -> Options -> View -> Working Area

Wire frame (Y) = checked

Wire frame Mode (H) = finish

Filled Mode = Vinyl Only

Tools -> Options -> Vinyl -> Default Vinyl Color

Palette = [Edge] Gerber 220 Scotchcal

Color = White

Use this vinyl color as the default on File Open = checked

Tools -> Options -> Vinyl -> Default Background Color

Palette = [Edge] Gerber 220 Scotchcal

Color = White

Tools -> Options -> Vinyl -> Default Palette

Palette = [Edge] Gerber 220 Scotchcal

Click on preferences -> save all pages

Artwork creation

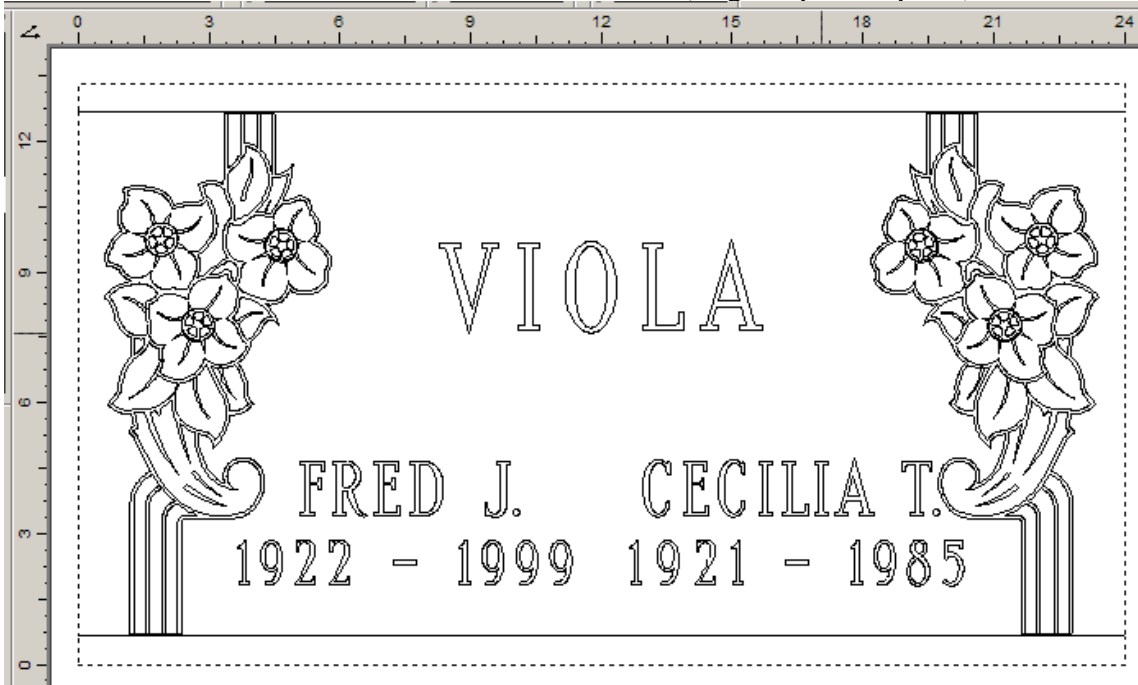
You need to be able to create outlines of different colors to match the pen numbers in the

quicksand remote panel. The table below shows the vinyl color required to match to the RGB colors of the 8 colors in the printer driver

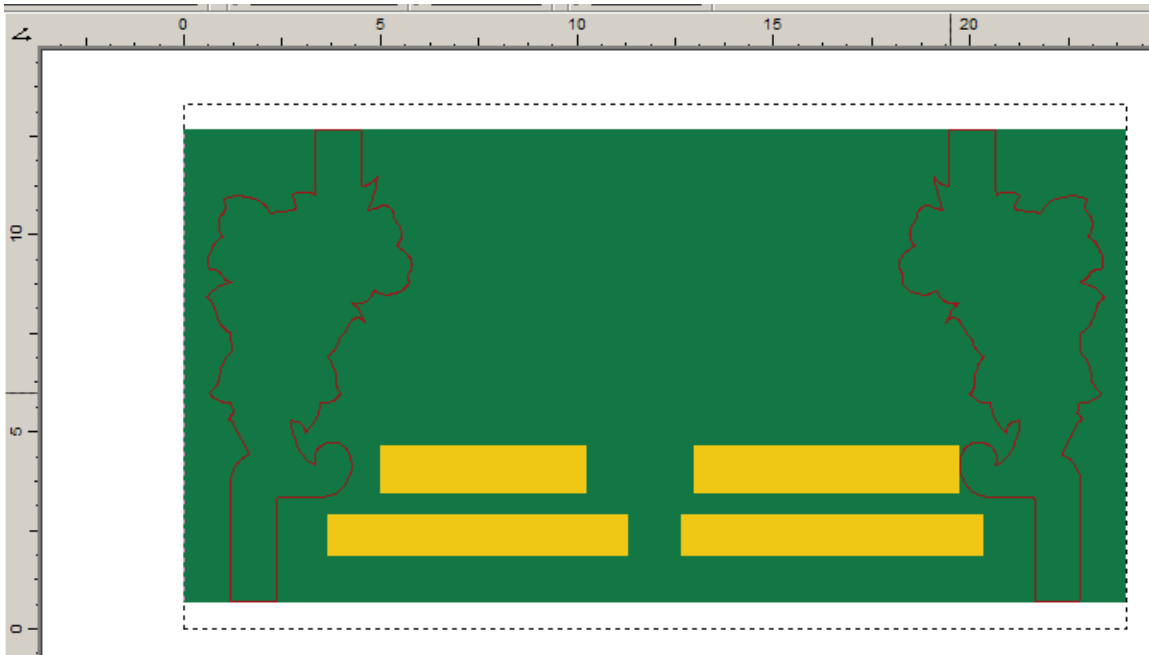
Pen Number	RGB color	Omega Vinyl Color Pallet Edge Gerber 220 scotchcal	Color pallet location
1	0,0,0 black	Black	8 th
2	255,0,0 red	Cardinal Red	6 th
3	0,255,0 green	Bright Green	11 th
4	255,255,0 yellow	Bright Yellow	13 th
5	0,0,255 blue	Bermuda Blue	7 th
6	255,0,255 magenta	Dark Magenta	28 th
7	0,255,255 cyan	Aqua	4 th
8	115,0,204 violet	Dark Violet	29 th

(A palette of outlines and pen assignments is saved as sand colors.plt in zip file)

We start with the rubber cut for the sand blast mask. (original.plt in zip file)



We then draw using vinyl colors areas of the marker we want to blast on the stone and delete the artwork and text. (outlines.plt in zip file)



We use pen 3 (bright green for stone outline)
We use pen 2 (cardinal red for light etching)
And pen 4 (bright yellow) for names and death dates

To change an outline to a particular vinyl color we select the outline using the selection tool and click on the vinyl color at the bottom of the screen.

Printing Artwork to file

From composer Click on file Print

Select Allen DirectCut on file

Click properties and verify default of multiple pen output is set to yes.

On output page verify no scaling and outlines only are selected.

Newer version of Composer have outlines black only (do not use this option)

Click on OK.

Printer driver will ask for file name:

Enter Drive Letter assigned to shared drive and a file name in box.

e.g.

v:outline.plt

and click on ok (This output file is saved as outline.hpl in zip file)

The file outline.plt should now be in your shared directory and can be opened by the sand remote panel on the blaster machine.