

ALLEN DATAGRAPH

Technical Support Bulletin: Using Flexisign V7.0v1 with Allen Printer Driver

Last Updated September 30, 2004

Flexisign has a 16-bit graphics driver and the Allen Datagraph Cutter driver is a 32-bit driver. This difference in technology requires some care in getting the programs to work together.

The Flexisign 16-bit graphics driver is limited to 32767 units of measure so at 1016 DPI the page size is limited to 32 inches square. The table below shows the maximum DPI setting for the Image sizes. You should select the paper size shown in the Max Image Size column.

Min Image Size	Max Image Size	DPI
0" (0 cm) x 0" (0 cm)	32" (81 cm) x 32" (81 cm)	1016
32" (81 cm) x 32" (81 cm)	64" (162 cm) x 64" (162 cm)	508
64" (162 cm) x 64" (162 cm)	129" (327 cm) x 129" (327 cm)	254

If you do not limit the media size / DPI setting as shown in the above table Flexisign will draw arcs as straight lines.

At lower DPI the end points of the cut lines are placed into quants. At 1016 DPI you have full resolution of the cutter, at 508 you only have only even numbered end points, at 254 all end points are divisible by 4, etc. This causes some inaccuracies in the end point placement and can cause distortions in the plotted image. If you have larger images and you want the higher accuracy I suggest you find another cad program or wait for Flexisign to fix the problem.

If your cutter has firmware revision 2.13 or less you must disable the Polyline Encoded HPGL command.

To disable the PE HPGL command

Click Start, [Settings], Control Panel, Printers and Faxes

Right Click on the Allen Datagraph Cutter driver and select properties

Select the Device Settings Page

Select the down arrow next to Output Polyline Encoded and select Off.

Click on OK

Flexisign Tutorial

The instructions below are a step-by-step tutorial to plot a 2 inch oval with Flexisign.

Open Flexisign to a blank image.

Draw a 2 inch rectangle and place it on the media.

Click on file, print

Select cutter driver

Click on properties button

Click on + in front of paper/output tree node

Select Paper Size

Click on arrow next to Paper Size

Select 32 inch x 32 inch

Click on Print Resolution

Click on arrow next to Print Resolution and select 1016 DPI

Click on OK

Click on Print

Copyright 2004 – Allen Datagraph Systems – All Rights Reserved