ALLEN DATAGRAPH

Technical Support Bulletin:
Printing on Template Material
Last Updated July 12, 2006

Abstract: It is sometimes useful to be able to cut and draw on the same template within the same job. This is easily accomplished in the template maker as the AllenCAD already has the cuts in red and the text in green.

To use the different pen colors you have to enable several features in the printer driver and the cutter.
Multiple pen output must be set to Yes
Send Force/Speed to tool must be set to Yes
Green and red pen colors must set so the force or speed you desire is set on the property page of the printer driver. To get to the property page select the property button next to the printer name in the Allen Auto Tile. Set the options as shown in bold on the next page.

In the i-TECH remote panel you must turn off cad override: Go to setup -> settings. Turn cad override off, and save the setup.

You can use the sample top and plot file (top6.flx) that is included with the AllenCAD install. The printer will pause and flash the number 3 in the first digit of the display when it is time to install the pen. Use a felt tip pen with tape wrapped around it to draw on the media. After installing the pen press the pause key on the cutter to continue.

Description	Range	Value	
Setup Number	1-6	1	OK
Draw Speed	1-60 cm/sec	66	Cancel
Move Speed	1-60 cm/sec	66	Save Setup
Force	1-100.0 %	12.0	Load Setup
Knife Offset	0.001 - 0.1 inch	0.012	Restore Default
Minimum Angle	1-35 degrees	12	Coordinate System: ● Long X ○ Long Y ○ Center ○ Rotate 180
Hole Distance	0.01 - 1 inch	0.098	
Tear Size	0.008 - 0.1 inch	0.010	
Acceleration	1-16 8 feet / sec / sec	2	Speed Resolution: ● cm/sec ○ mm/sec
Load Speed	1-40 cm/sec	20	
Load Length	1 - 100 inch	1	Mode: ● Cut ○ Draw ○ Pounce

Dynamic Force ○ On ● Off Cad Override ○ On ● Off Service Loop ○ On ● Off

Allen DirectCut on Allen FILE Output Printing Pref...

Advanced

Allen DirectCut on Allen FILE O Advanced Document Settings
- Paper/Output
  - Paper Size: 129 (327cm) x 129 (327cm)
  - Copy Count: 1 Copy
  - Pages Per Sheet: 1
- Document Options
  - Allen DirectCut Driver Ver 2.02:
  - Print Resolution: 1016 DPI
  - Find Origin: None
  - Space between jobs -0.25 to 4 : 0.125 (inch)
  - Combine Polygons: Yes
  - Loop Control: All Clockwise
  - Mirror: No Mirror
  - Rotate Image: No Rotate
  - Sort Method: Distance
  - Multiple Pen Output: **Yes**
  - Weed Border: No
  - Minimum Vector Length 0.004 to 0.1 : 0.010 (inch)
  - Scaling: 100 %
  - End Point: End of Job
  - Unroll Media Before Plot Count: 3
  - Rubber Mode (Pen then Knife): No
  - Send Force to tool : **Yes**
    - Force applied to color black tool #1 : 12 %
    - Force applied to color red tool #2 : **30 %**
    - Force applied to color green tool #3 : **8 %**
    - Force applied to color yellow tool #4 : 12 %
    - Force applied to color blue tool #5 : 12 %
    - Force applied to color magenta tool #6 : 12 %
    - Force applied to color cyan tool #7 : 12 %
    - Force applied to color violet tool #8 : 12 %
  - Send Speed to tool : **Yes**
    - Speed applied to color black tool #1 : 66 %
    - Speed applied to color red tool #2 : **10 %**
    - Speed applied to color green tool #3 : **70 %**
    - Speed applied to color yellow tool #4 : 66 %
    - Speed applied to color blue tool #5 : 66 %
    - Speed applied to color magenta tool #6 : 66 %
    - Speed applied to color cyan tool #7 : 66 %
    - Speed applied to color violet tool #8 : 66 %
    - Speed to pull media off roll : **25 %**
    - Speed to travel when tool is up : **15 %**

[OK] [Cancel] [Apply]