

## Graphtec Setup for use with MagiCut Programs

### 1, Connection

#### Graphtec CE 3000 (Now Discontinued)

##### Connection Type Serial

MagiCut 2000/V3/4/5FD and MagiCut 6 can use HPGL mode

MagiCut5FD V5 and MagiCut 6 can use GPGL over Serial

**Note** For Serial connection on a newer PCs a serial port will be needed and these are rare, the option is a USB to Serial converter which are easily available.

##### Connection Via USB – Must be GPGL mode

MagiCut5FD V5 and MagiCut 6 are required.

#### Graphtec CE 5000 -60 -120 and CraftRobo Pro (CE 5000-40 CRP)

##### Connection Type Serial

MagiCut 2000/V3/4/5FD and MagiCut 6 can use HPGL mode

MagiCut5FD V5 and MagiCut 6 can use GPGL over Serial

##### Connection Via USB – Must be GPGL mode

MagiCut5FD V5 and MagiCut 6 are required.

### Setting the Graphtec CE3000 and 5000 into GPGL Mode For use with MagiCut 5FD and MagiCut 6 using a USB cable

#### Graphtec CE 5000-40 CRP (CraftRobo Pro ) 60 and 120 Settings

As delivered the 5000-40/60/120 need certain items in the menus altered to work correctly with MagiCut.

These settings generally apply to the CE3000-40/60/120 as well

Place paper in cutter and clamp the wheels. Press enter to initialise the cutter (Roll 2 is the favourite setting)

Enter the Menu system by pressing the Pink Pause button.

Using next and previous button go to the menu items, use enter to access the menu item and the up and down arrows to alter the item.



### Setting the plotting language

Press Next until you see the menu item “**Command**”. Press enter

The current language is displayed. This will be either **HPGL** or **GPGL**

Press Up arrow to alter and enter to accept the change.

If **GPGL** is selected change the Step size to **0.025mm** with the arrows and press enter.

If **HPGL** is selected press enter to accept the defaults.

For a Serial connection either may be used – just make sure the correct MagiCut Graphtec driver is installed and the Graphtec Windows driver is NOT installed.

For a **USB** connection **GPGL** must be selected and the **GPGL** driver installed. The Graphtec Windows driver MUST be installed in this case.

### Setting for CutAround in MagiCut.

Press Next until the option *Auto Reg Mark* is displayed, Press enter.

*Mark Mode* is displayed, press enter and set to OFF with the arrow keys, press enter then Next until *Mark Type* is displayed, press enter and set to 2 with the arrow keys, press enter then Next until *Mark Size* is displayed, press enter and set to 10mm with the arrow keys (the 60 and 120 are set to 10, the 40 is defaulted to 20 by Graphtec) Press enter then Pause to exit the menus.

### Condition Setting

Set some default conditions for cutting pressures and blade, this makes it easier to switch between materials. A suggested setup is.

Condition	Tool	Offset	Force	Speed	Quality	Material
1	Pen		12	60	2	Paper
2	09U	0	9	60	2	OBM, MagiCut Paper
3	09U	0	13	60	2	Flex
4	09U	0	14	30	2	FX and Glitter
5	09U	0	16	30	2	Flock
6	09U	0	20	20	2	FX Brilliant /Reflex
7	09U	0	22	20	2	Perl Glitter/Starflex

This assumes a new blade, machines vary a bit so the settings may be one or two less/more than those given.

To set the condition, press Condition, then using the arrow keys move the displayed marker to point at the item to change, use the up and down arrow keys to alter the value, press enter to fix the condition.

Other settings are possible in the menus, for example the serial setup, If you need or wish to alter other settings please see the Graphtec manual on the CD with the plotter.

## Magicut 5FD Setup

### Operating System

The USB key dose not come with drivers for Windows 98SE or ME, Windows 95 and 98 will not work anyway. 2000 may not have FlashDrive drivers built in so may also fail. Windows XP Vista and Win7 (32 and 64 bit) are ok.

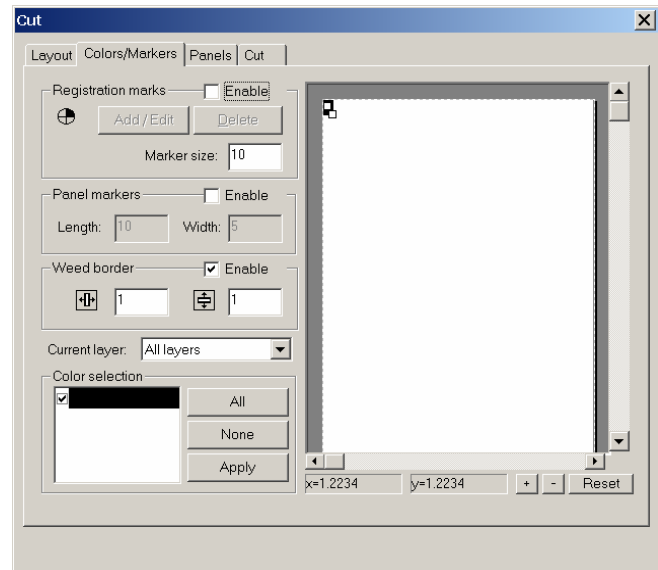
Plug in the key, Run the **launch.exe** file in the root of the flash drive. MagiCut will install, Follow the prompts. In the cutter selection choose your cutter and the language in the case of the Graphtec cutters.

### Initial setup

Once installed start MagiCut and place a shape or a letter on screen

From the file menu select CUT

In the cut dialog select the colour/marker tab and remove any ticks from registration marks and Panel markers.



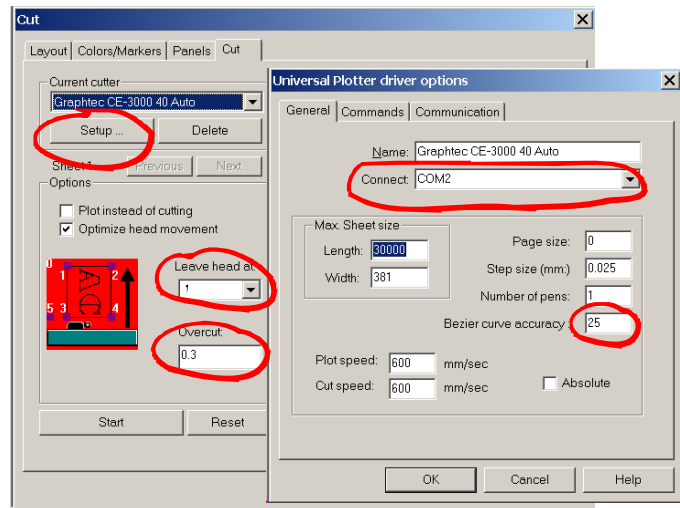
Under the Cut Tab Check the cutter is correct

Set the Head Position to 1 and give an overcut value (0.3mm is enough)

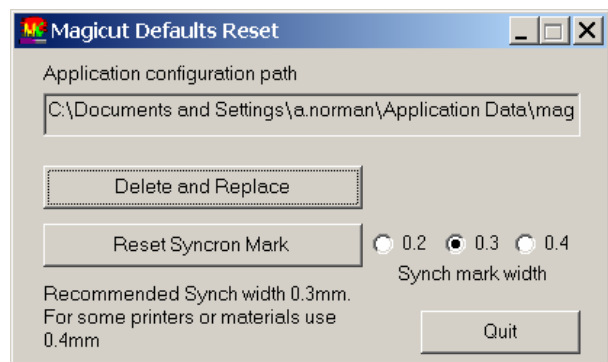
Select setup

Check and if not correct, alter the connect.  
This could be COM1-8 or USB

Check the Bezier curve accuracy is 20 - 25



MagiCut has a utility to edit the Marker width and if required delete the Application.ini file this is called "MagiCut 5 reset.exe" The program is on the flashdrive and in a folder called Utility

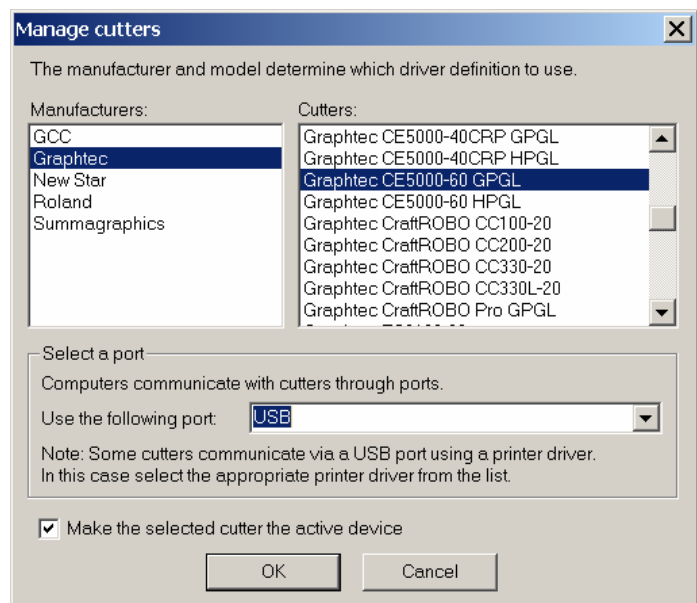


## MagiCut 6

When MagiCut 6 is first started the Cutter selection screen is displayed, this will only occur if MagiCut has never been on the computer, Otherwise MagiCut runs with the currently selected cutter.

For a CE 5000-60 on a USB cable select the GPGGL driver and then the USB port in the ports listing.

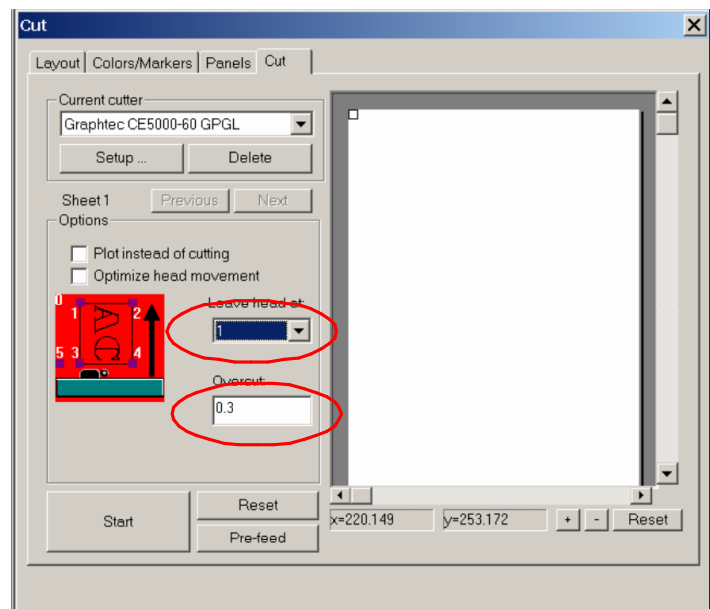
The Manage cutter dialogue can be used to add and remove cutters as required. Start it from the File Menu > Manage cutters



Now put something on screen and goto Cut (File menu > Cut). Here set a couple of items in dialogues.

Leave head at, for Garment graphics generally use 1, 3 is used for rolls when multiple jobs are cut one after another

OverCut, Set to 0.3mm this helps with weeding.



For print and cut the settings are in the print dialogue and under the print and cut button

For a Graphtec Use TriMarkers, with a line width of 0.5mm and a size of 10mm. Distance will depend on image but for general use 0 will do.

Under paper set margins to @ 8mm all round if using a backing sheet. Without a backing sheet use 12mm sides and top and 45mm base.

