

SE 100 (Ioline SmarTrac 60) Control Center, Stencil Works Software, Stencil Fonts and Driver Set up.

Install Ioline Control Center: Do not Install IQ Plot

1. Make sure the cutter power switch is **OFF** ('O' symbol on the switch is depressed). Install the power cable between a wall outlet and the power socket on the back of the machine.
2. Install the software from the Ioline Installation CD to the PC that will control the cutter. Only choose the Ioline Control Center and manuals. If available, the IQ Plot is not needed and should not be installed.
3. Plug in the USB cable to the back of the machine (near the power cable) and to an open USB port on the PC.
4. Power on the cutter. Once the carriage stops moving and the keypad light is red, click on the **Set Origin** button on the keypad. The keypad light should be GREEN.
5. Open the Control Center software by clicking the **Start** button then choosing All Programs then opening the Ioline folder and double clicking **Ioline Control Center**.
6. Choose **Display** from the menu at the top of the screen then **USB Info**.

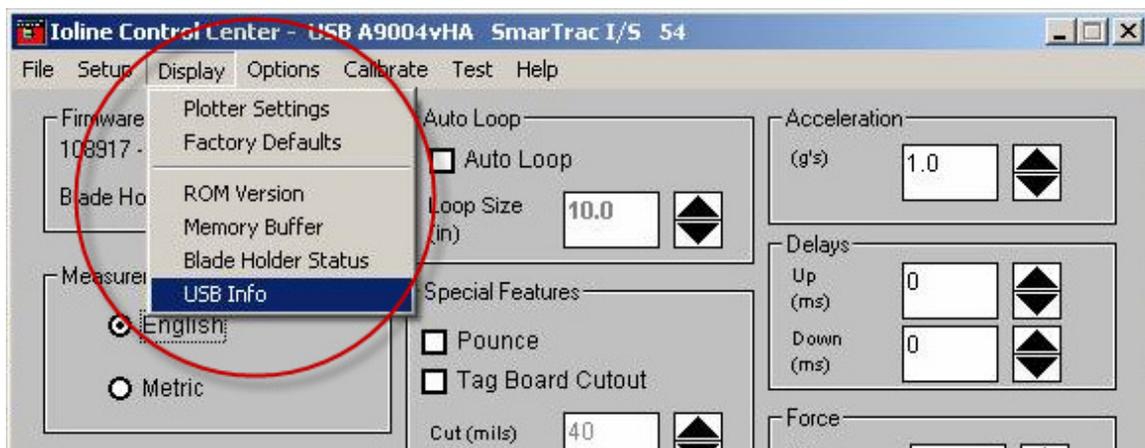


Figure 1: The USB Info menu

7. Find the **COM port** window and take note of what port the cutter is connected to. Write down the number in the space below. You will use this information later. Then click Done.

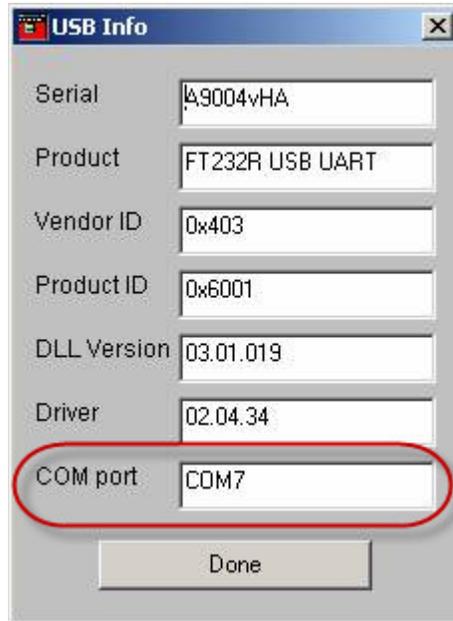


Figure 2: Find the COM port the cutter is connected to

My COM port number is: _____

8. Keep the **Ioline Control Center** open and proceed to adjust blade settings on the next few pages.

Setup cut parameters:

If using the 45° blade with:

- Easy-Cut polyethylene stencil material
- Decal vinyl material

Measurements Units:	ENGLISH
Panel Size:	X axis 838.00 Y axis 25.20
Scale:	X-100% Y-100%
Auto Loop:	Unchecked
Pounce & Tag board Cut:	Unchecked
Acceleration:	1.0
Delays:	Up 50 Down 50
Force:	Min. 50 Max 500
Blade Overcut:	2
Blade Offset:	17
Minimum Angle:	30

IMPORTANT: Click the **Send settings to the cutter:**
Permanent button to permanently set these settings in the
cutter memory.

If using the 60° blade with:

- Easy Cut (for small characters)
- Oilboard
- Magnetic Vinyl
- Mylar .004" & .007" thick

Measurements Units:	ENGLISH
Panel Size:	X axis 838.00 Y axis 25.20
Scale:	X-100% Y-100%
Auto Loop:	Unchecked
Pounce & Tag board Cut:	Unchecked
Acceleration:	0.7
Delays:	Up 50 Down 50
Force:	Min. 50 Max 500
Blade Overcut:	5-10
Blade Offset:	47
Minimum Angle:	15

IMPORTANT: Click the **Send settings to the cutter: Permanent** button to permanently set these settings in the cutter memory.

Finish:

Cutter installation is complete. Proceed to installing the EasySign software on the next page.

*Install the Stencil Fonts CD

Load the Stencil Font CD into the CD Rom on your computer. Go to **My Computer** and select the CD Drive and open. Go to **Edit** and select **Copy**. Minimize this screen. Go to **Start**. Select **Control Panel** and select **Fonts**. Go to **Edit** and select **Paste**. The Stencil Fonts will be loaded.

*Now load the Stencil Works Edition Software

Follow the instructions on the CD.

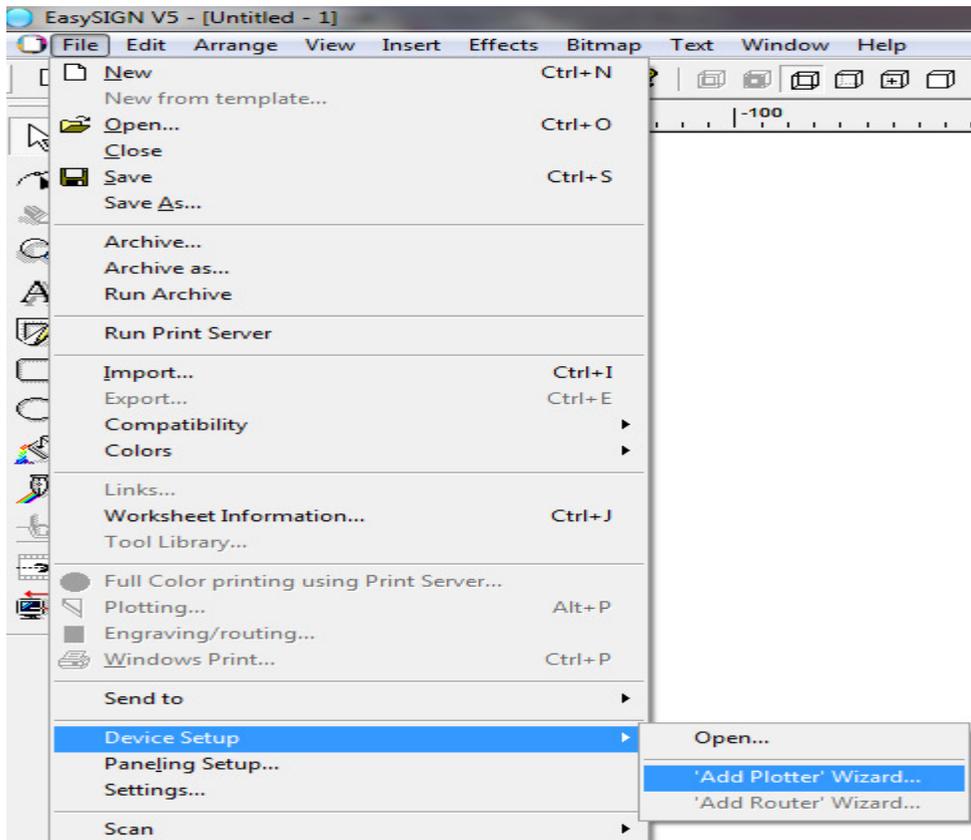
Note: Make sure you **do not install the dongle** until you have loaded the software.

NOTE: See instructions at the end to register your Software!

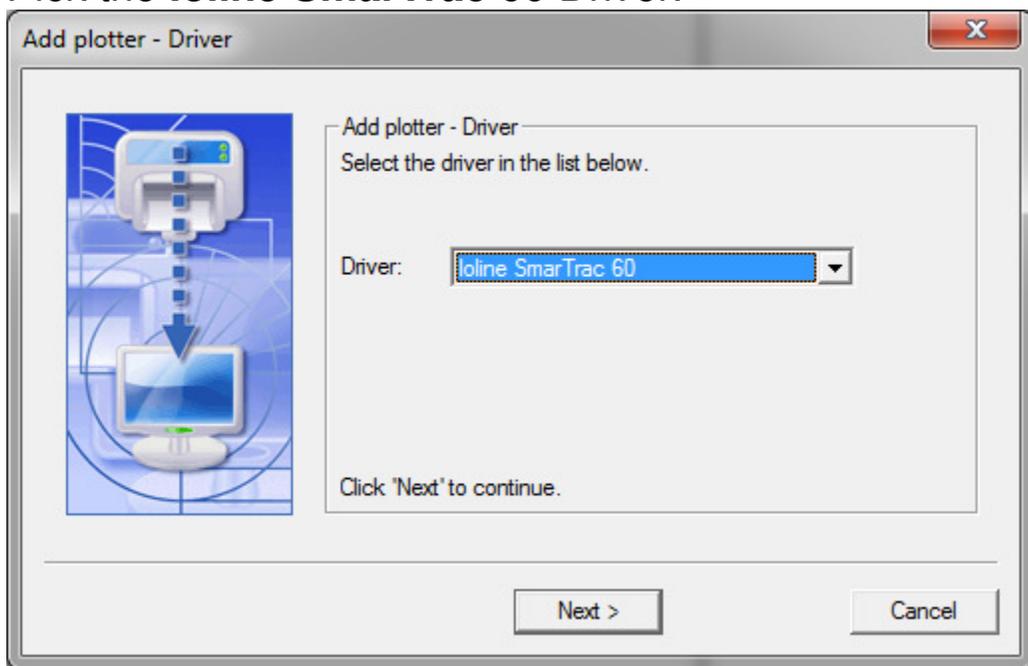
*Stencil Works Driver Set Up

Please follow these instructions:

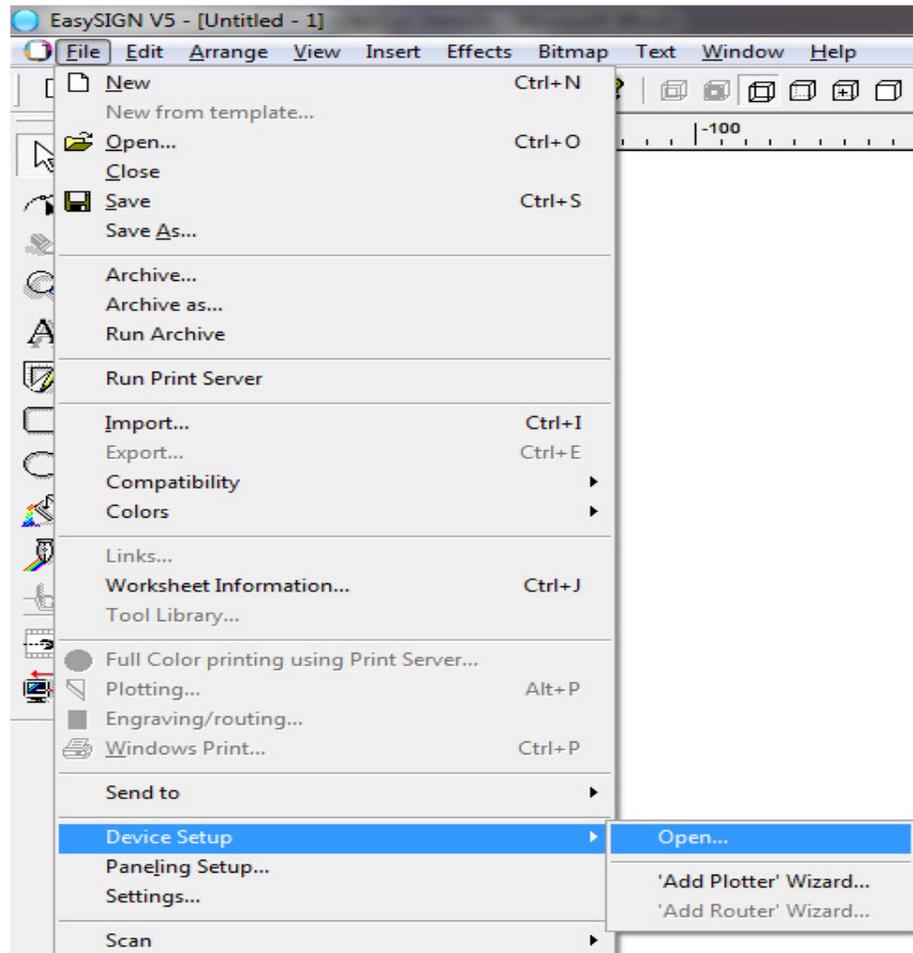
Stencil Works CD, go to **File**, then **Device Setup**. Click on **Add Plotter Wizard...**



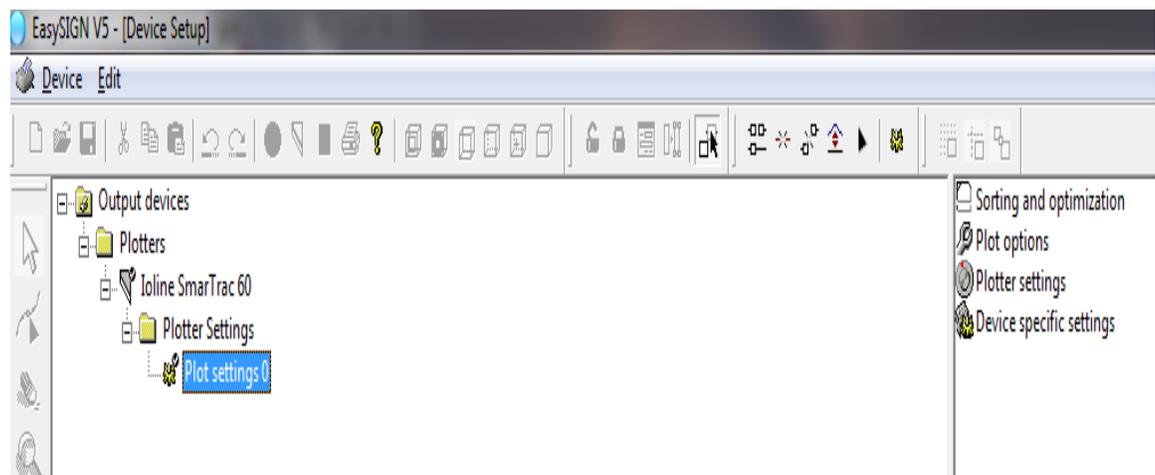
Pick the **Ioline SmarTrac 60** Driver.



Then go back to **Device Setup/Output Devices/Plotters/Ioline SmarTrac 60** and



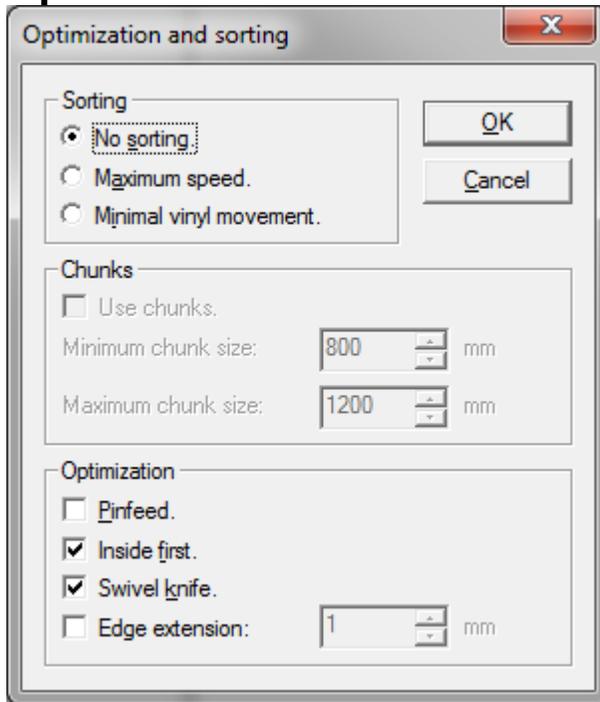
Plotter Settings. Open this folder. Click on **Plot settings**. Four items open up on the right.



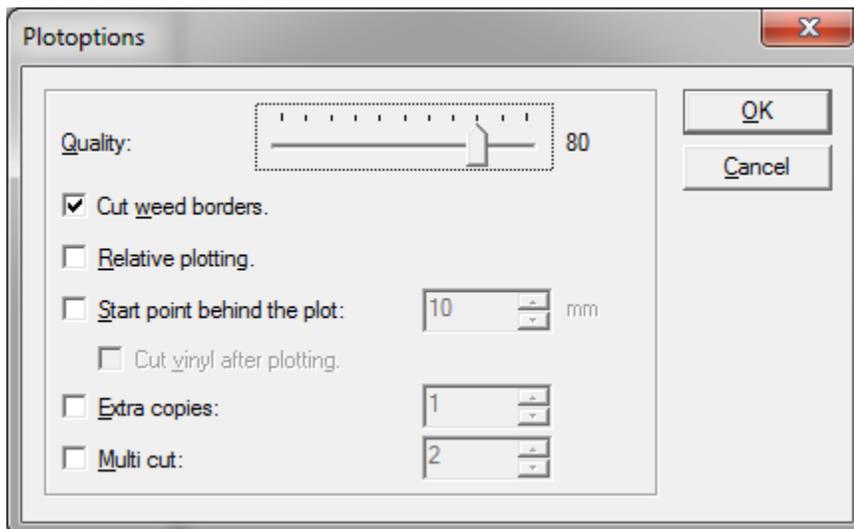
Click on **Sorting and optimization.**

Click on (**No Sorting for Easy Cut or Decal Material Cutting**)
or (**Minimal Vinyl Movement for Oilboard Cutting.**)

Optimization – Click on **Inside first** and **Swivel knife**



Plot options – click **Cut weed borders** and **Relative plotting**. Leave the other items **UNCHECKED**.



IT IS BETTER TO USE THE SETTINGS IN THE IOLINE CONTROL CENTER.

It will allow you to fine tune the cuts better. But basic settings can be set up in the Stencil Works program.

Plotter Settings - If the machine has been used before, and the Ioline Control Center and settings are being used, you can continue with them. Otherwise, under **Plotter Settings**, you can uncheck the default and put in the following settings:

Speed: 50

Acceleration: - for 45 degree blade: 1.0
- for 60 degree blade: 0.7.

Blade Offset: - for 45 degree blade: 17
- for 60 degree blade: 47

Knife Pressure: - 450 grams

Select Pen No. 1

If the default boxes are checked, the settings used will be from the Ioline Control Center. If the boxes are left un-checked, the settings used will be from the EasySign Software.

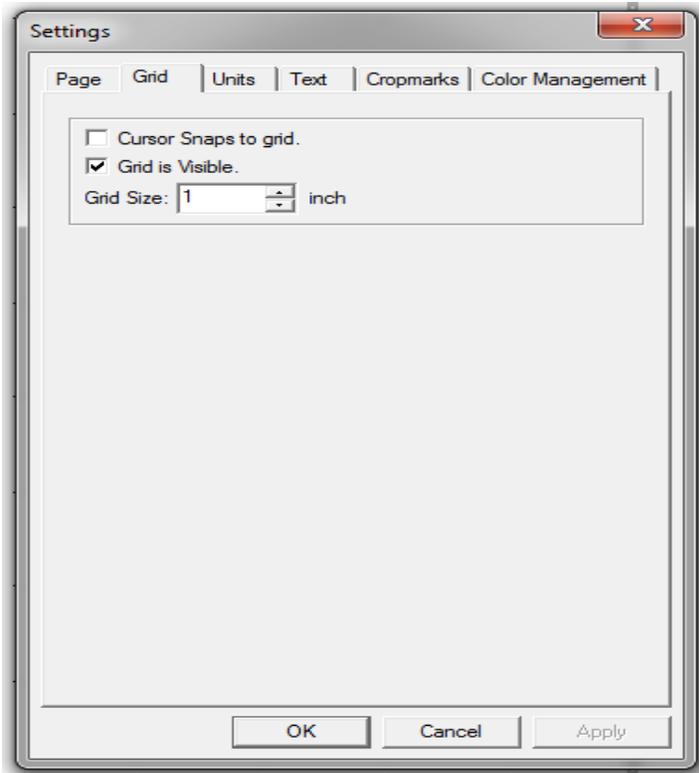
Set Up for Stencil Works Software to Cut Stencils

Stencil Fonts must be already loaded.

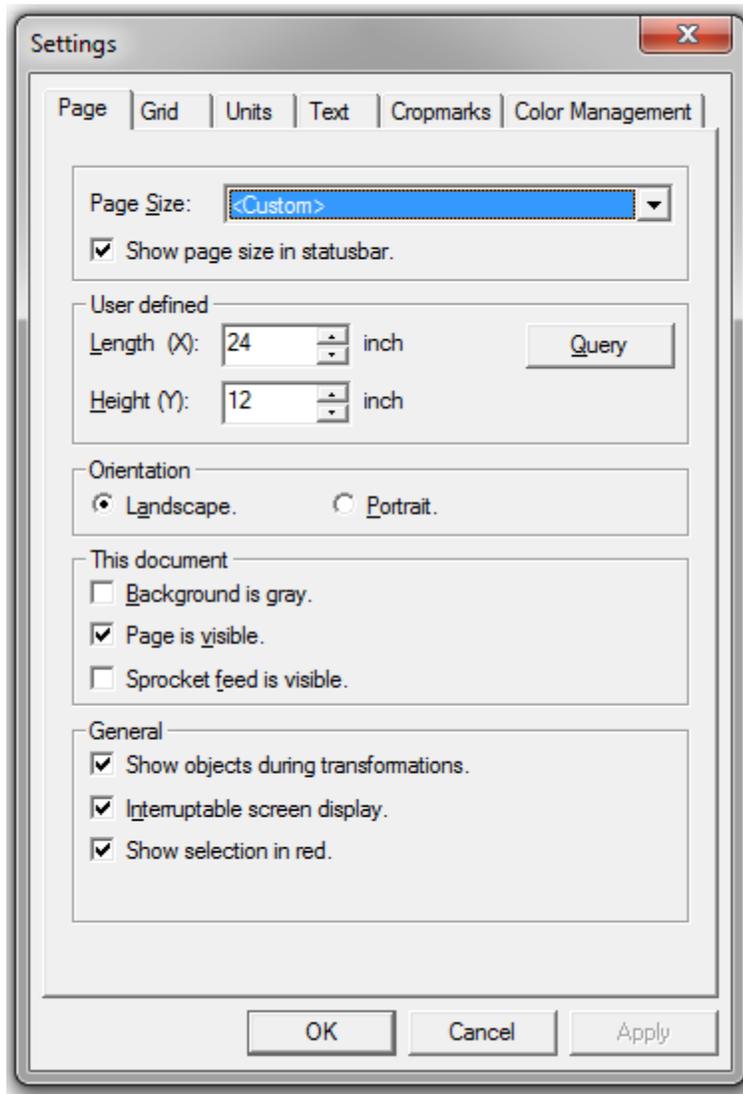
Open your Stencil software. There will be a toolbar on the left. Click the A. Then click the A (left side) again. Now do the following steps:

1. In the font box, click the arrow and find the Stencil Gothic BD Stencil Font. Move your pointer to the right of the box until you see **Save settings** as

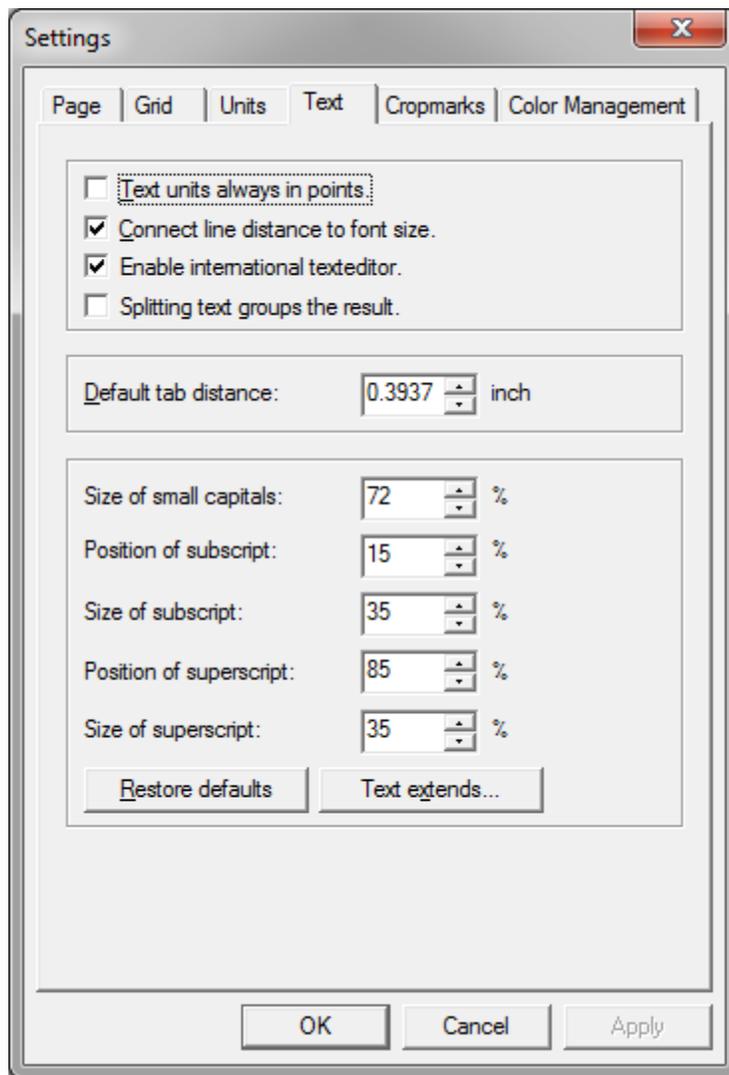
3. Still under **View/Settings** pick the **Grid** tab. Check **Grid is Visible**. **Grid size 1"**. Click **Apply** and **OK**.



4. Still under **View/Settings**, do the following:
- Under the **Page** tab, click **<Custom>**
 - Check **Show page size in status bar**
 - Under **User defined**,
change to **24" Length & 12" Height**
 - Under **Orientation**, pick **Landscape**
 - Under **This document**, check **Page is visible**
 - Under **General**, click all 3 items

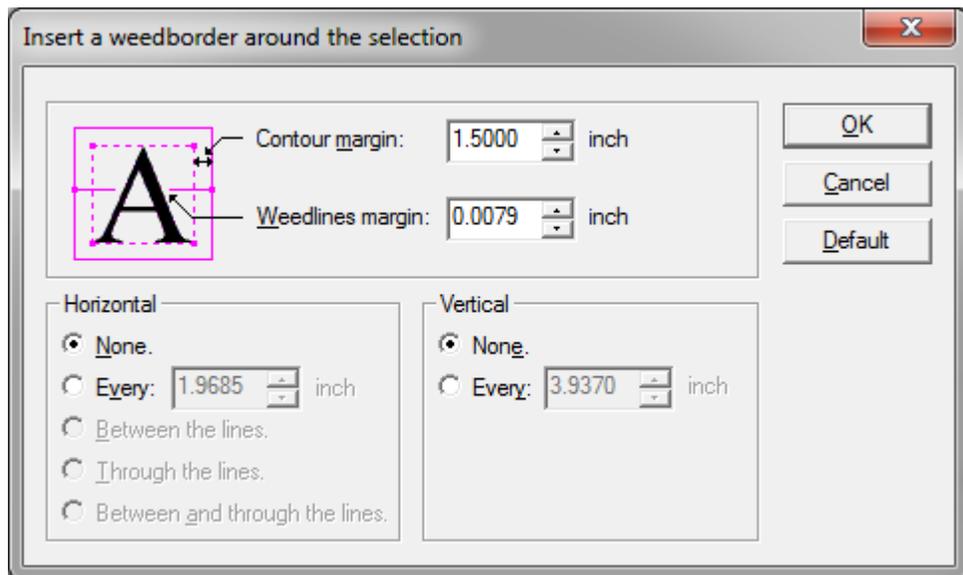
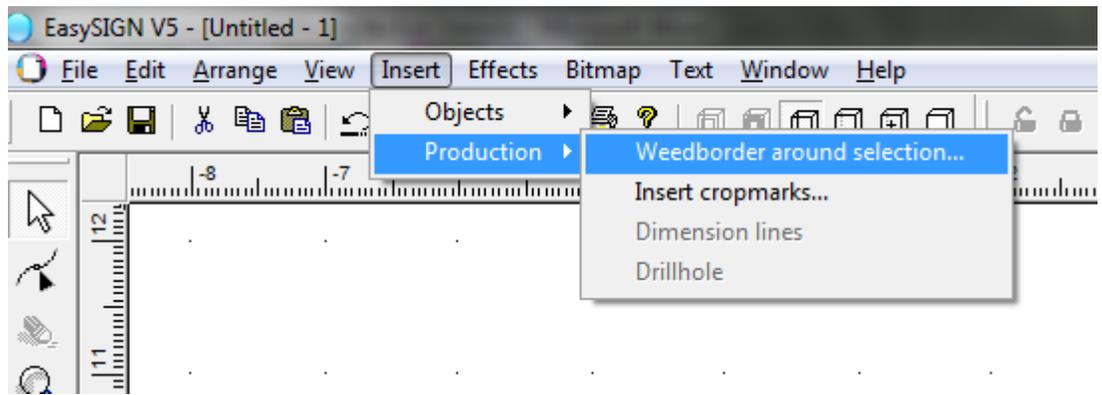


5. Still under **View/Settings**, pick the **Text** tab.
 - Check **Connect line distance to font size** & **Enable international text editor**. Uncheck the other two boxes if checked. Click **Apply** and **Ok**.



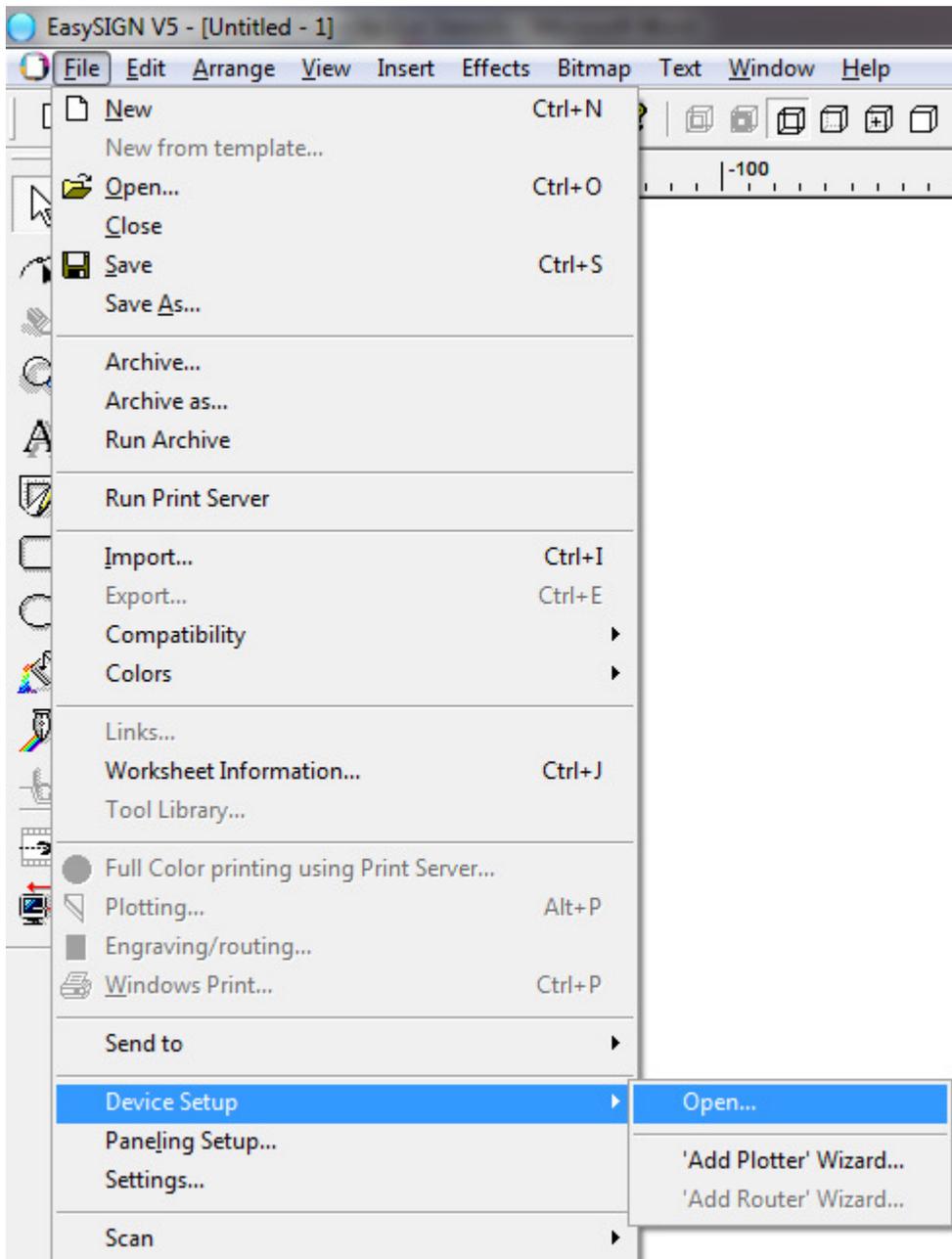
*Setting up the Stencil Border (overspray margin)

- Click on the **A** on the tools bar, Type in STENCIL.
- Go to **Insert** at the top. **Production/Weedborder...** A box opens. Enter your **Contour Margins** of your preferred border size. For now, put in 1.5". Then click **Ok**, and you will have a 1.5" border around your text. You can change to whatever size you want.

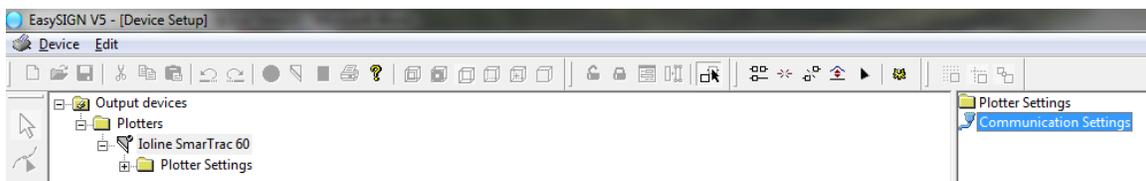


*Port Set Up in Stencil Works

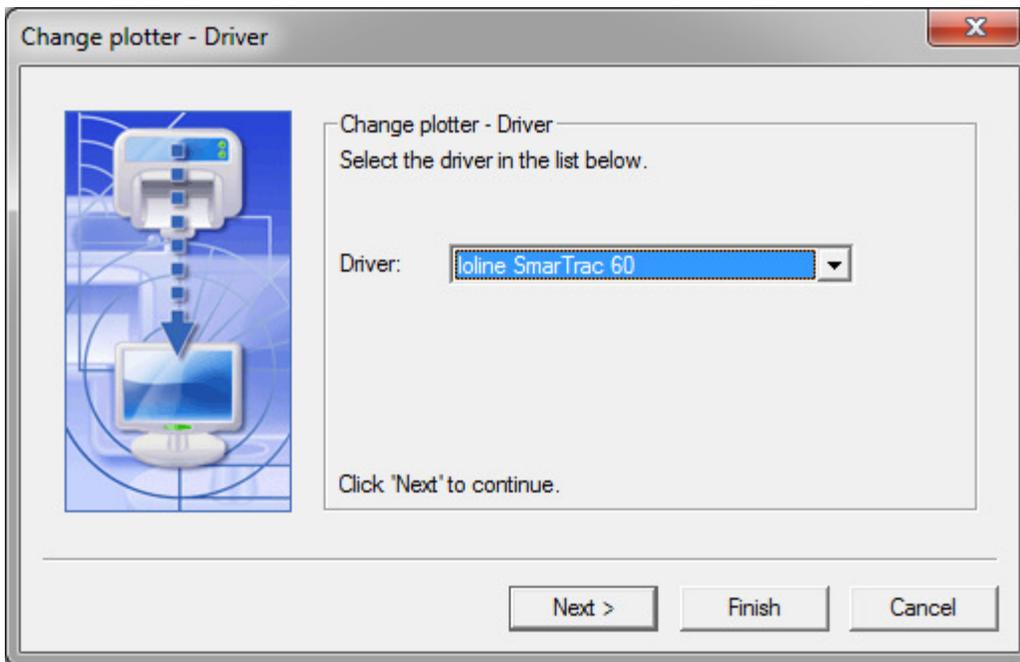
Now go to **Stencil Works** and make sure the port number matches. In Stencil Works software, go to **File** and down to **Device Setup**.



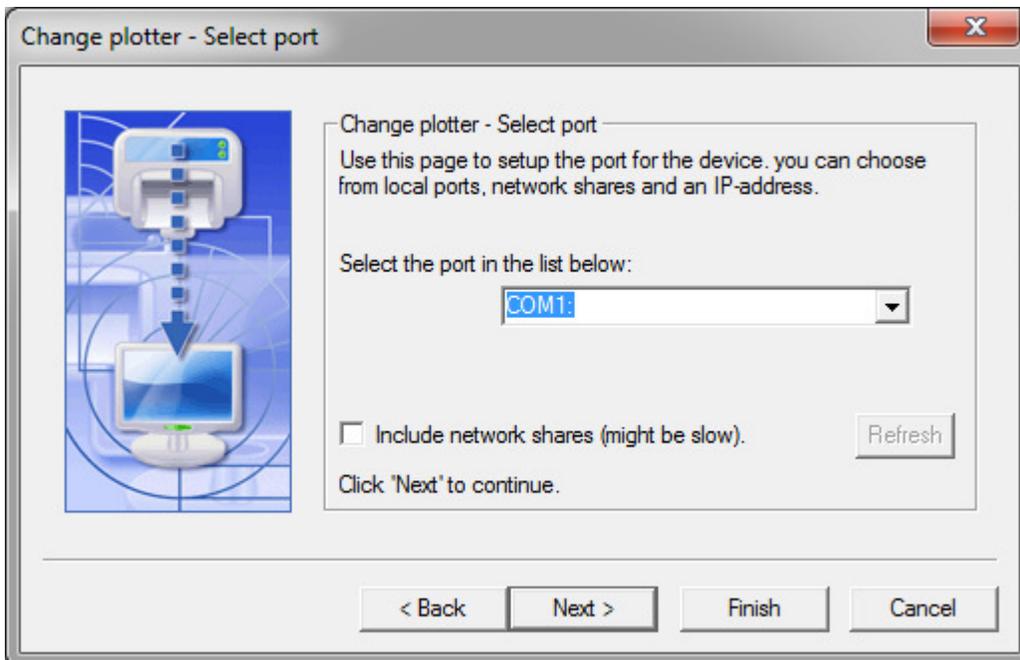
Click on **Open**. Click on **Ioline SmarTrac 60**, on the right, click on Communication Settings.



Driver is **Ioline SmarTrac 60**,



click **Next** and select the port number you wrote down earlier.



NOTE: IT MAY NOT BE COM 1 IT WILL BE THE PORT NO. YOU PICKED EARLIER IN THE INSTRUCTIONS!

The Cutter and Software should now communicate. Please call with any questions. Tech Support: 618-234-5077

NOTE: Now you are ready to start Stencil Works. A Dialog Box will appear reminding you that you must register your software to receive the code that removes the 20 hour time limit. Please call if you need help. Once you register you will receive an email with the code. Thanks.