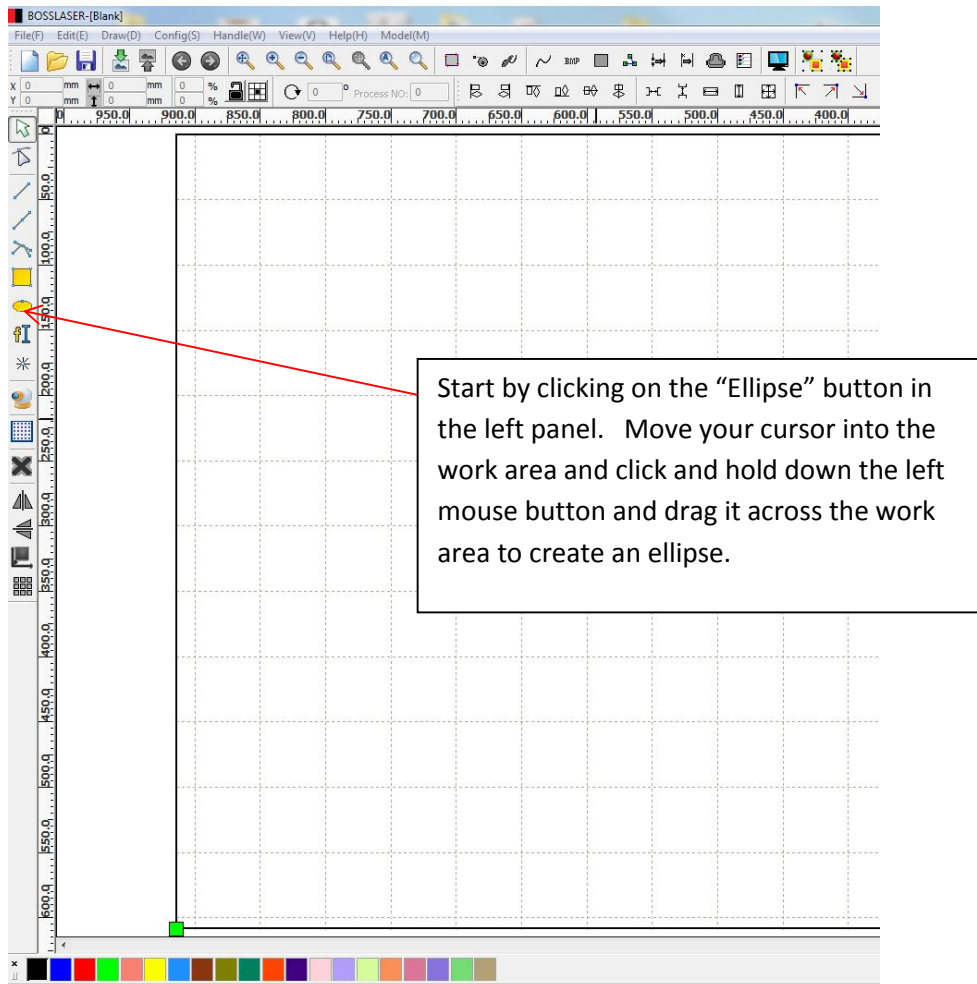


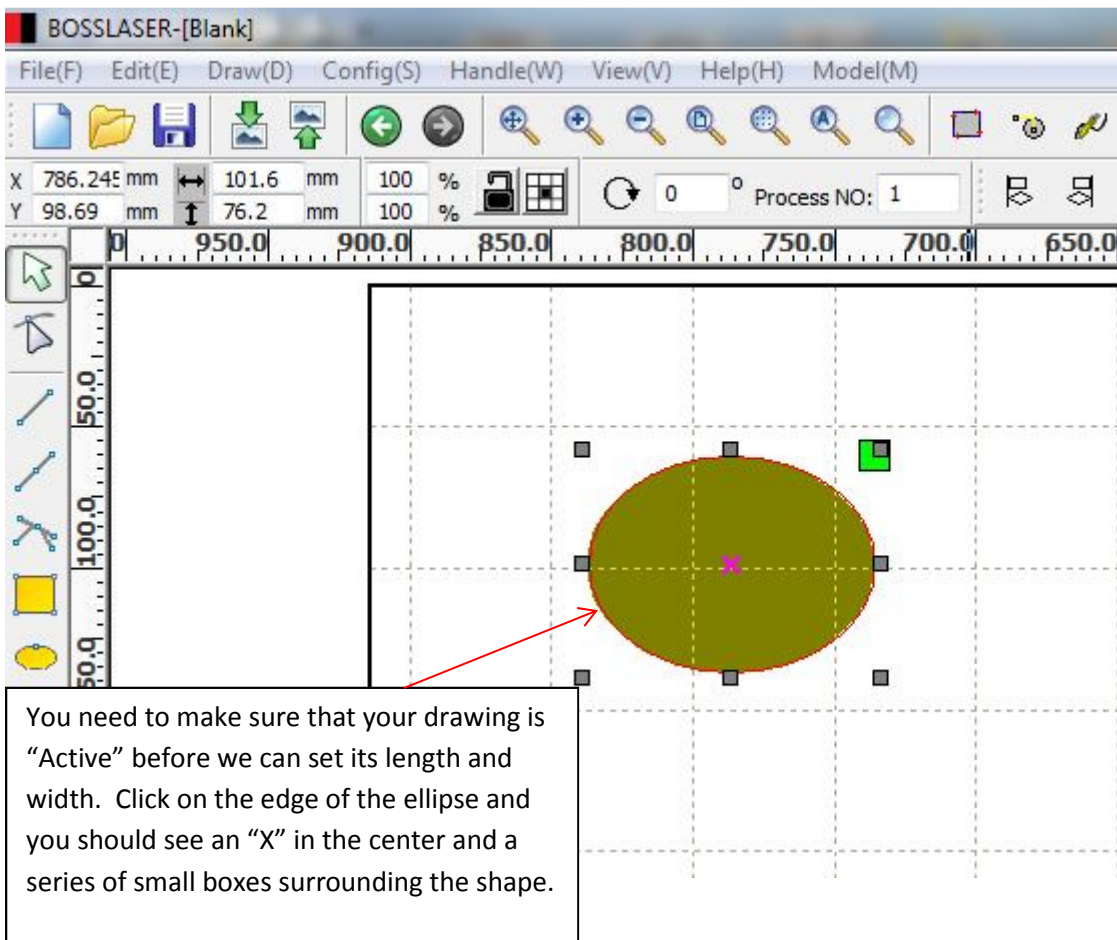
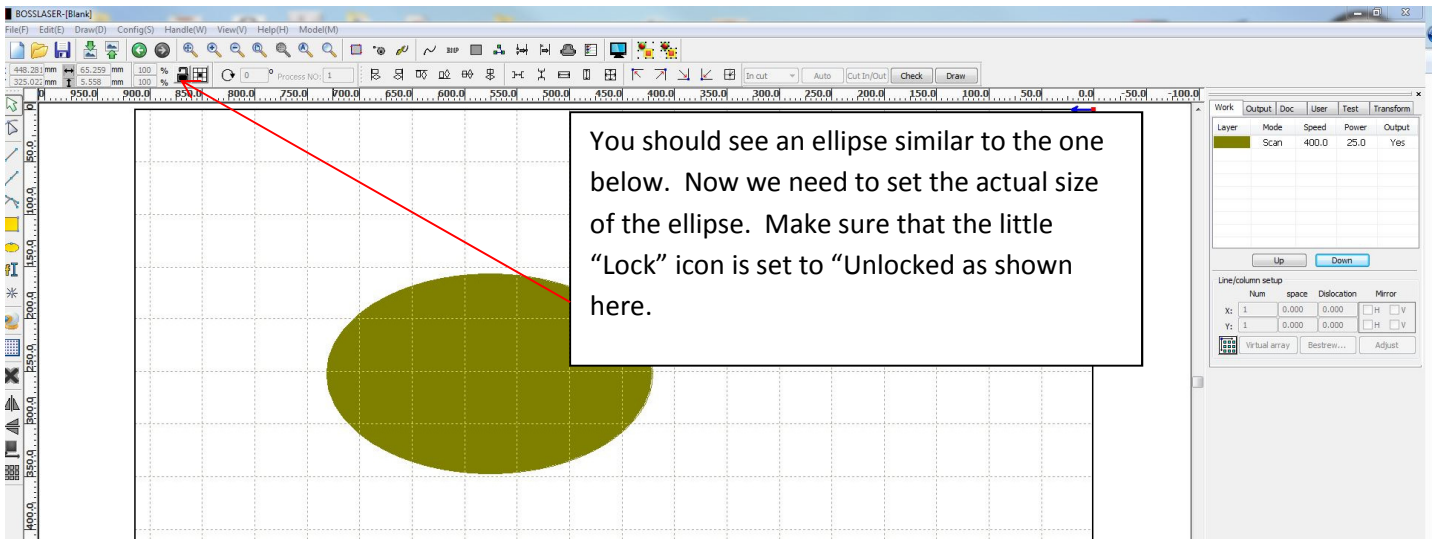
RDWorks Beginning Laser Tutorial

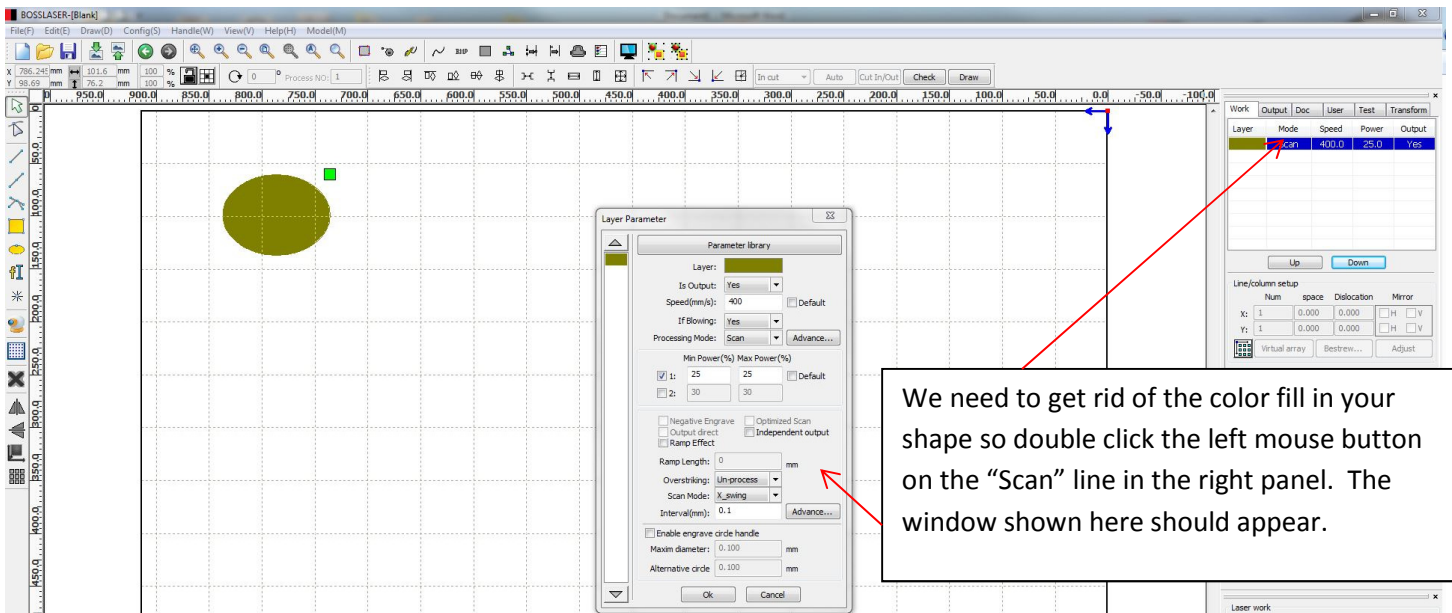
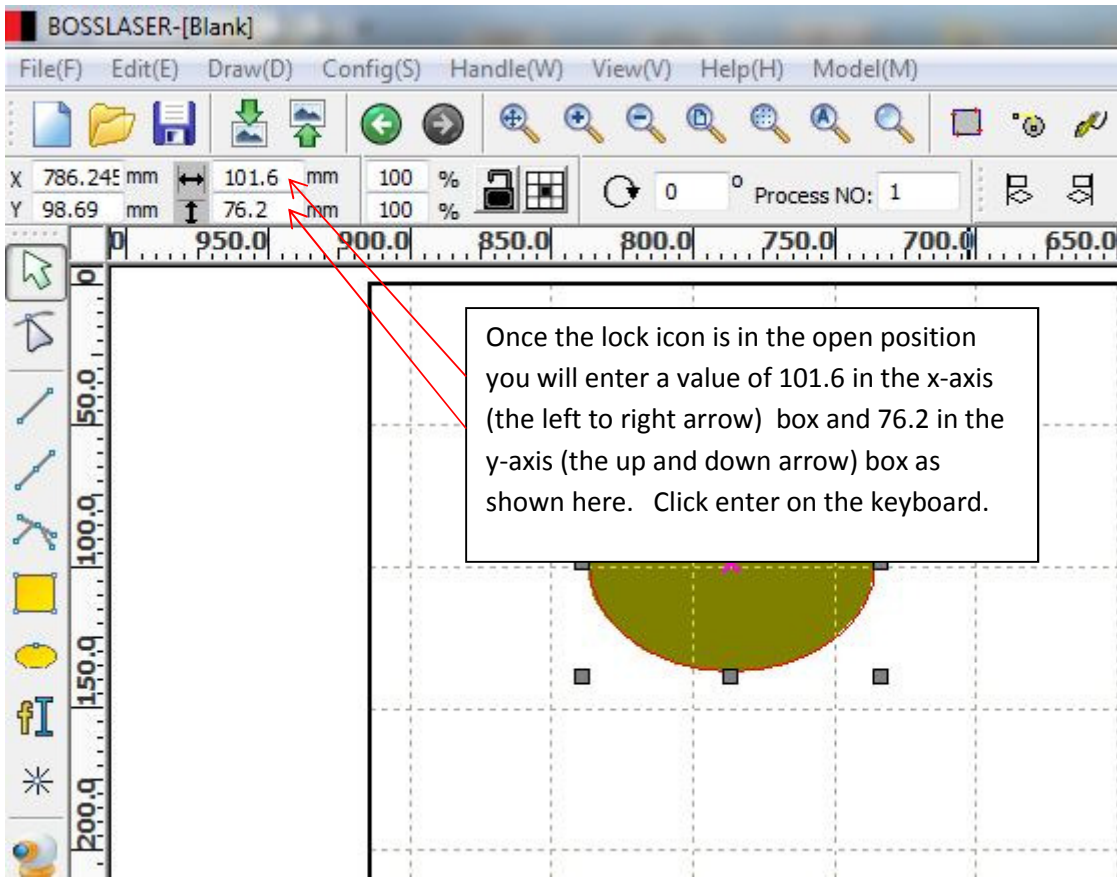
Shapes and Text

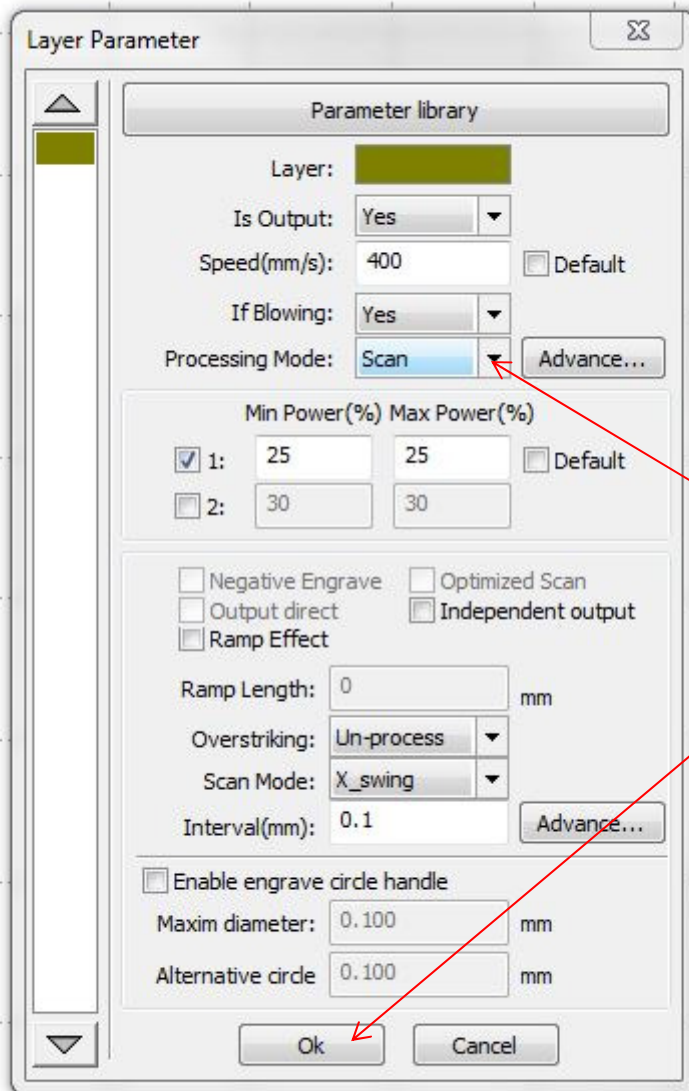
This tutorial will describe the basic steps to create a 3" by 4" "Ellipse" or oval with custom text inside.

Let's begin by double clicking on the RDWorks V8 icon on your desktop. You should see the screen shown below;

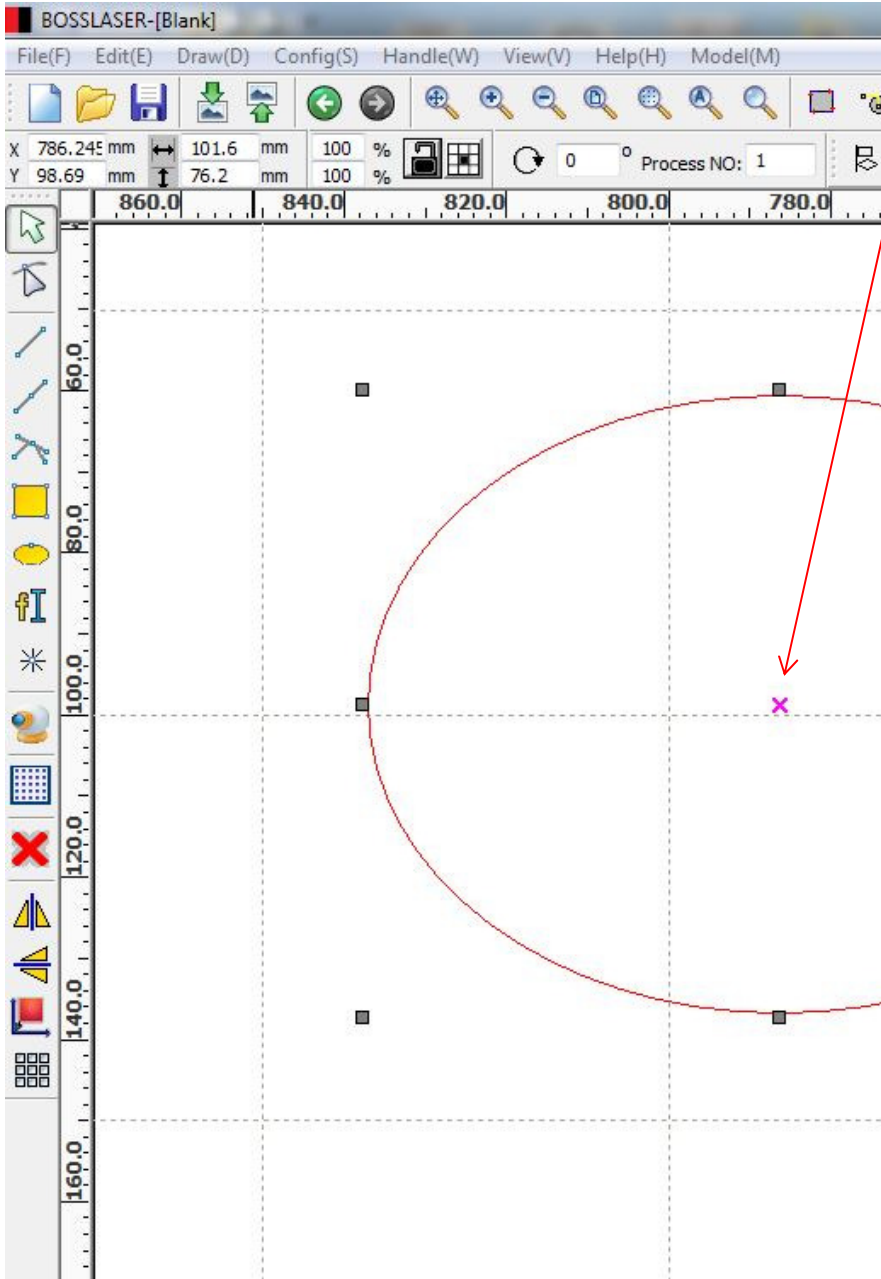




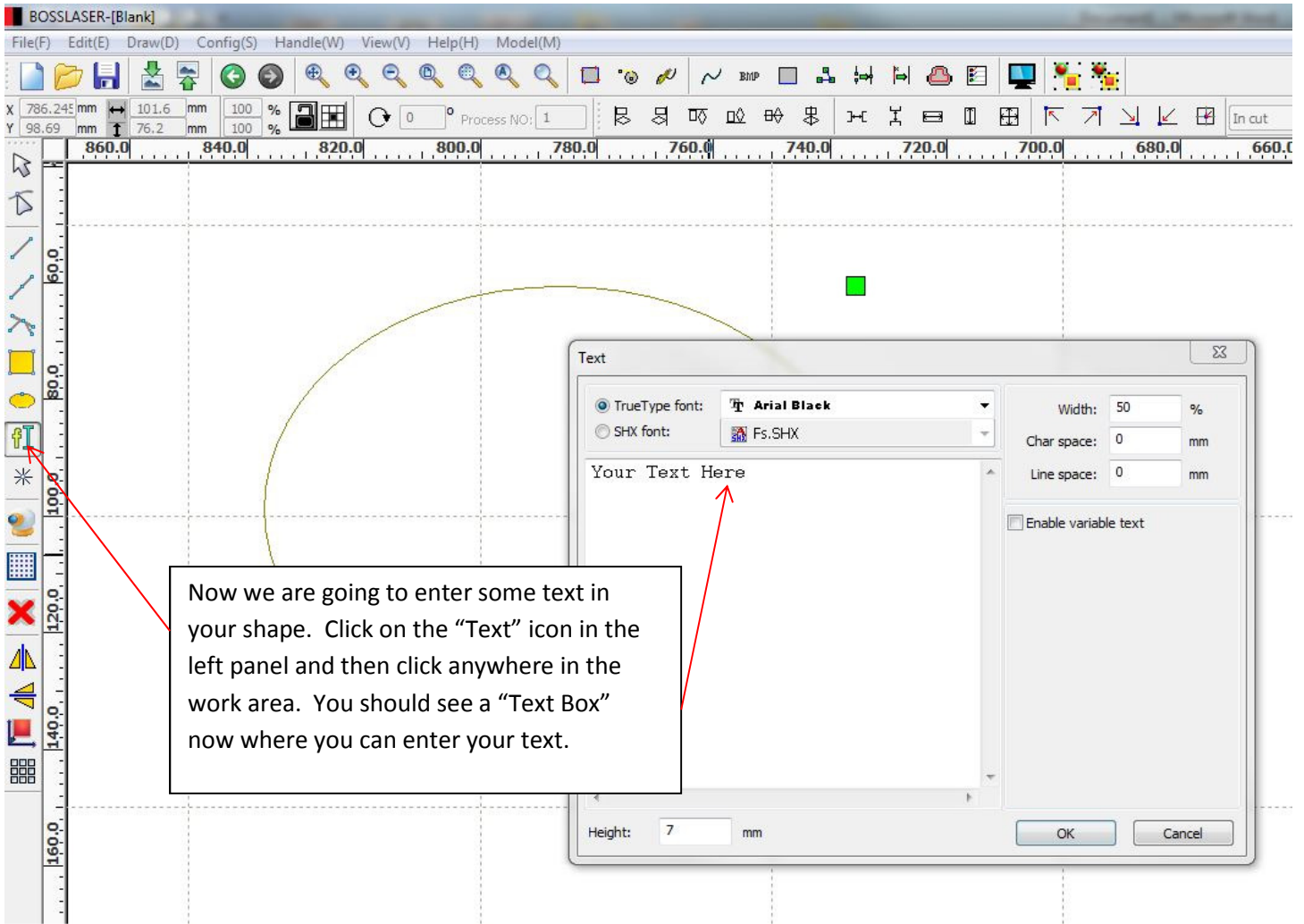


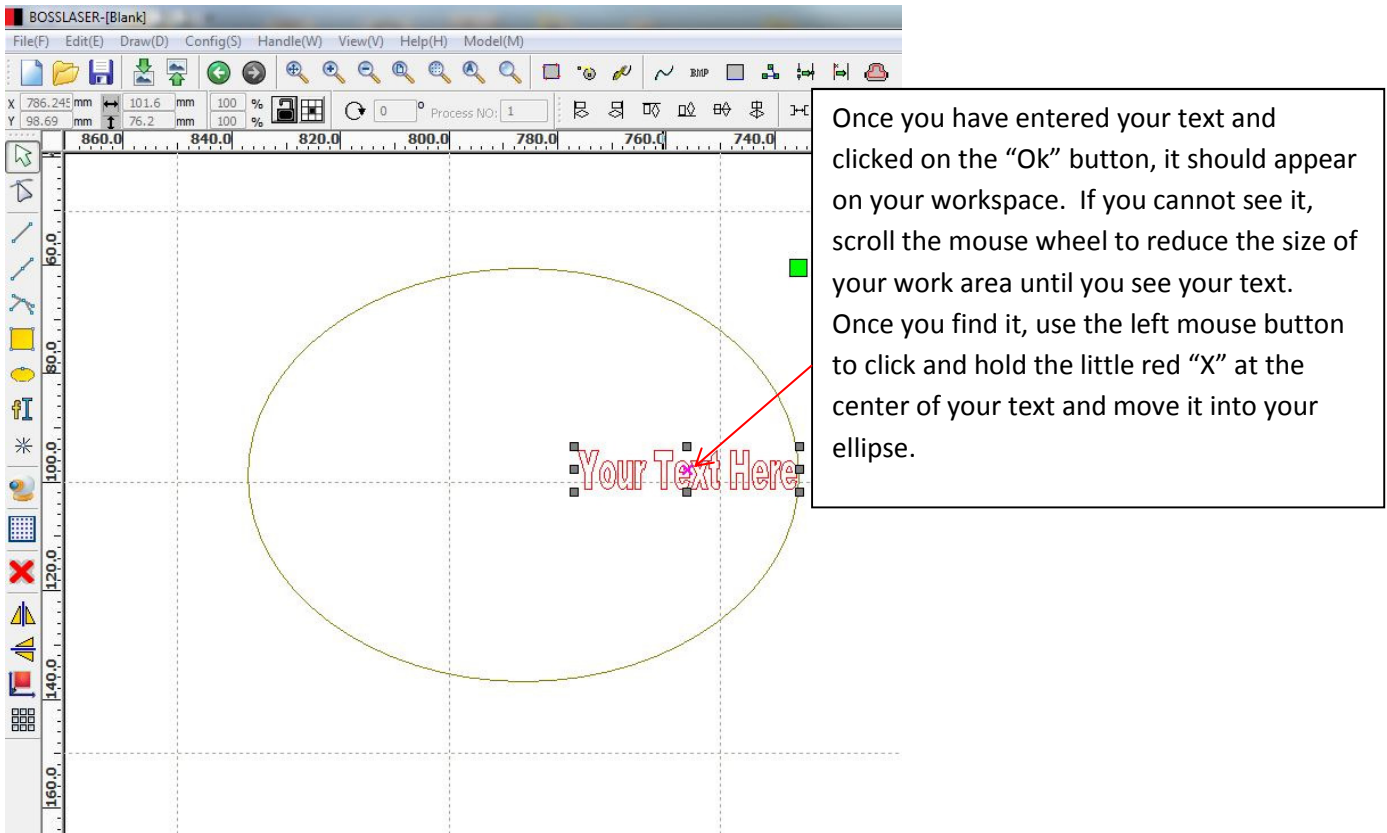
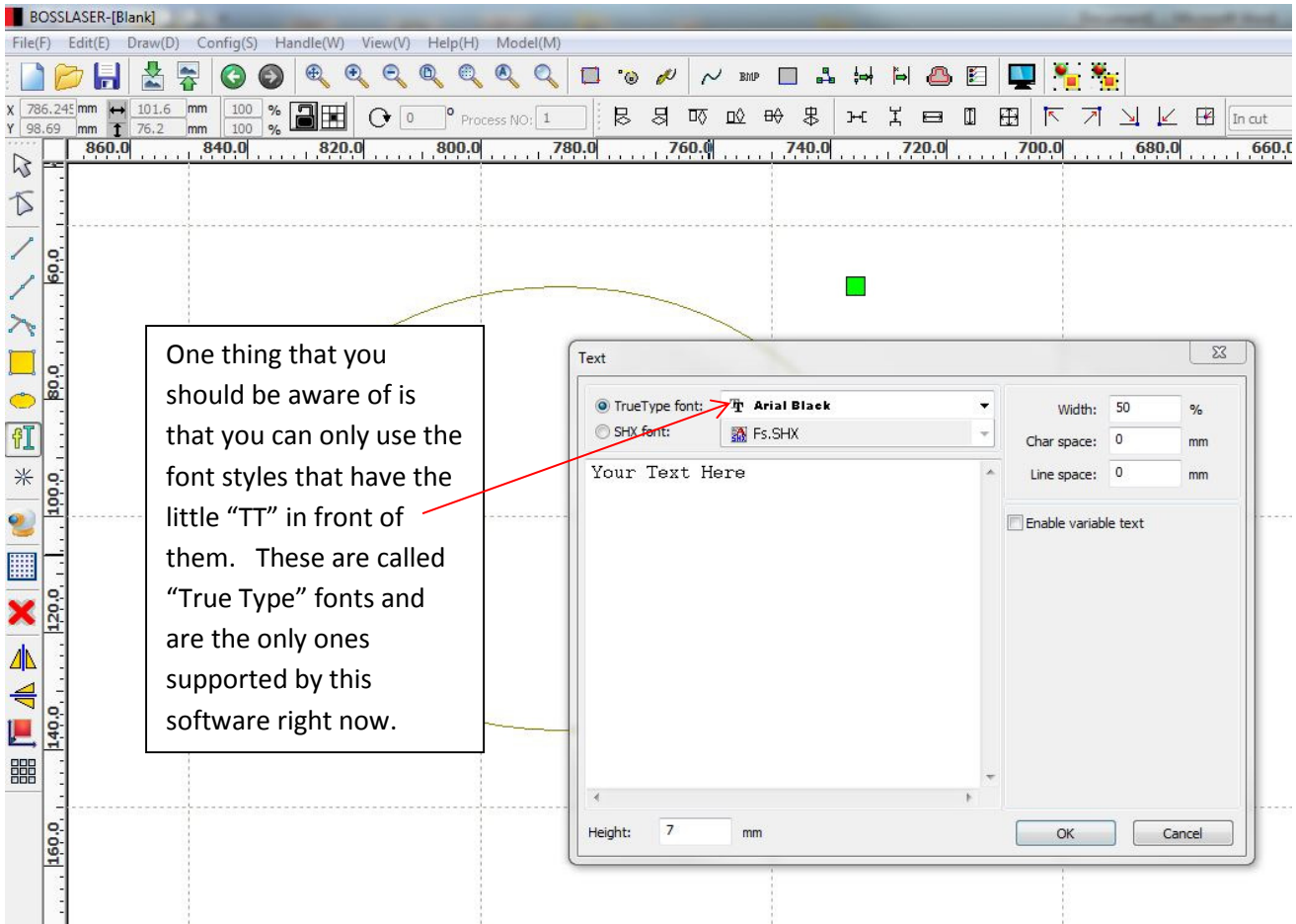


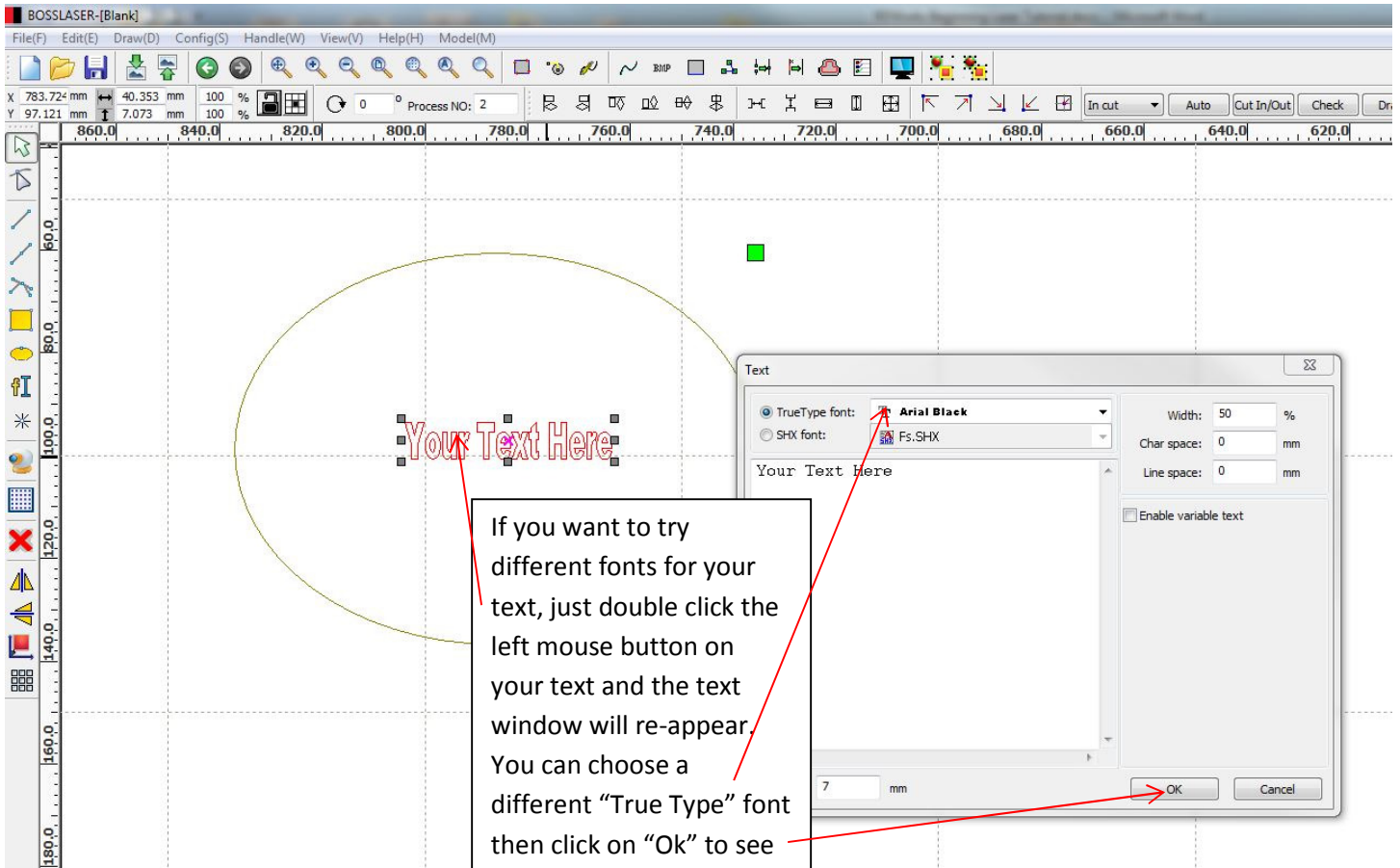
Click the left mouse button on the down arrow where it says "Processing Mode / Scan". A small drop down menu should appear. Click on "Cut" then click on "Ok" at the bottom of the window.



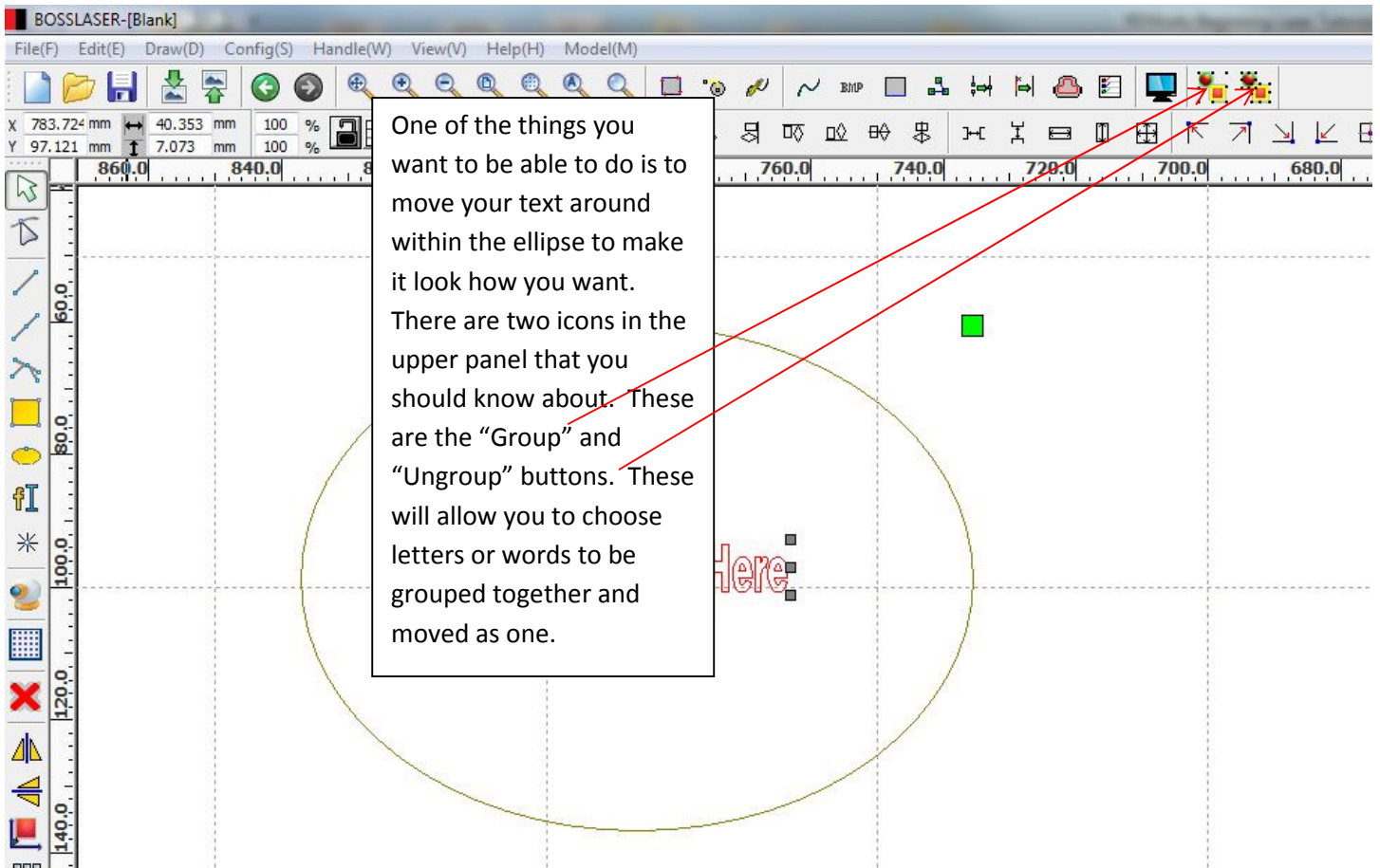
Your drawing should now look like this. You can play with this a little bit to make it easier to see what is going on in the next few steps. If you click on the ellipse a red "X" will show up in the center. If you left click and hold the mouse button down on the "X" you can move the shape around the work area. If you scroll using the mouse wheel you can enlarge or reduce the shape within the work area.



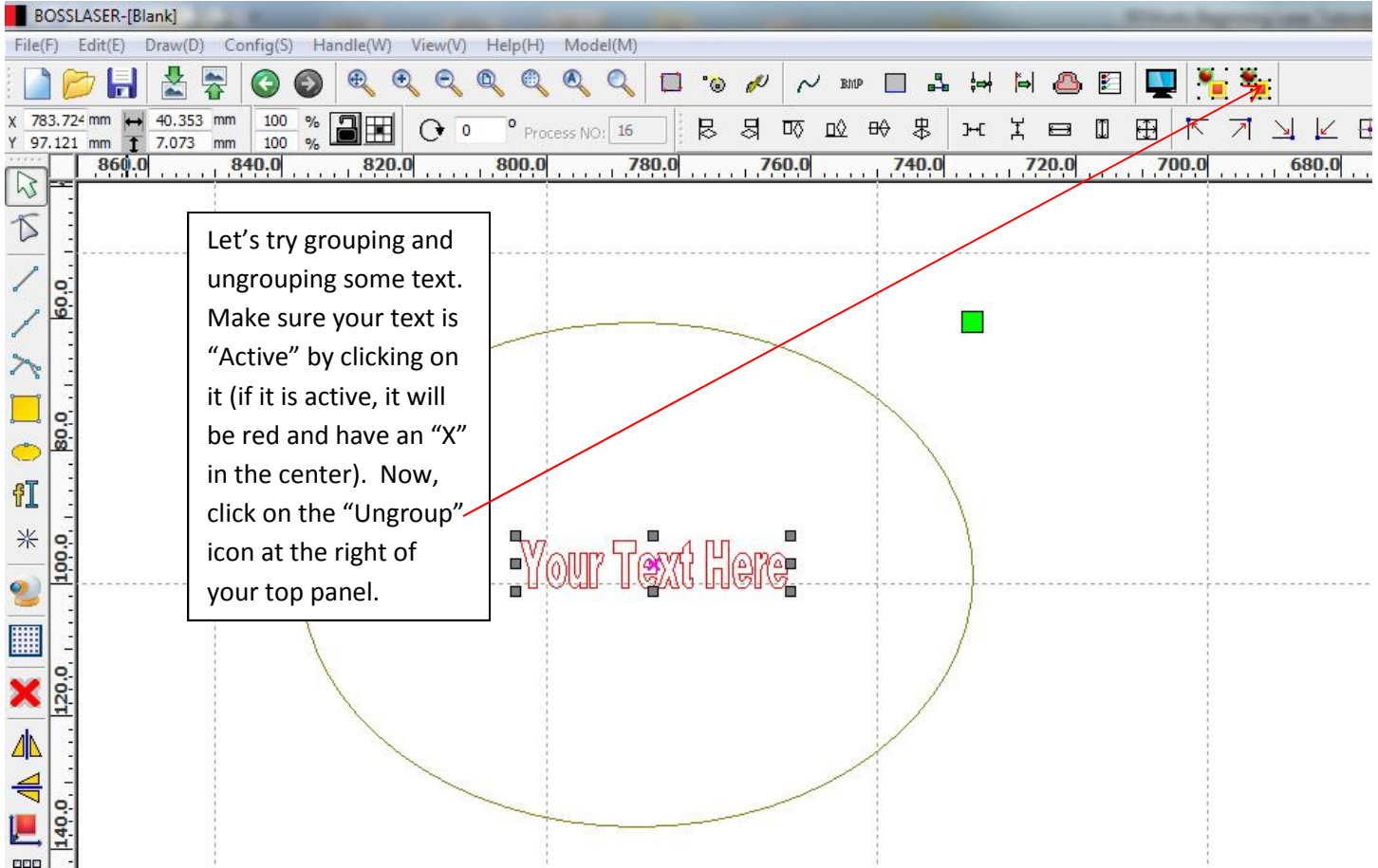


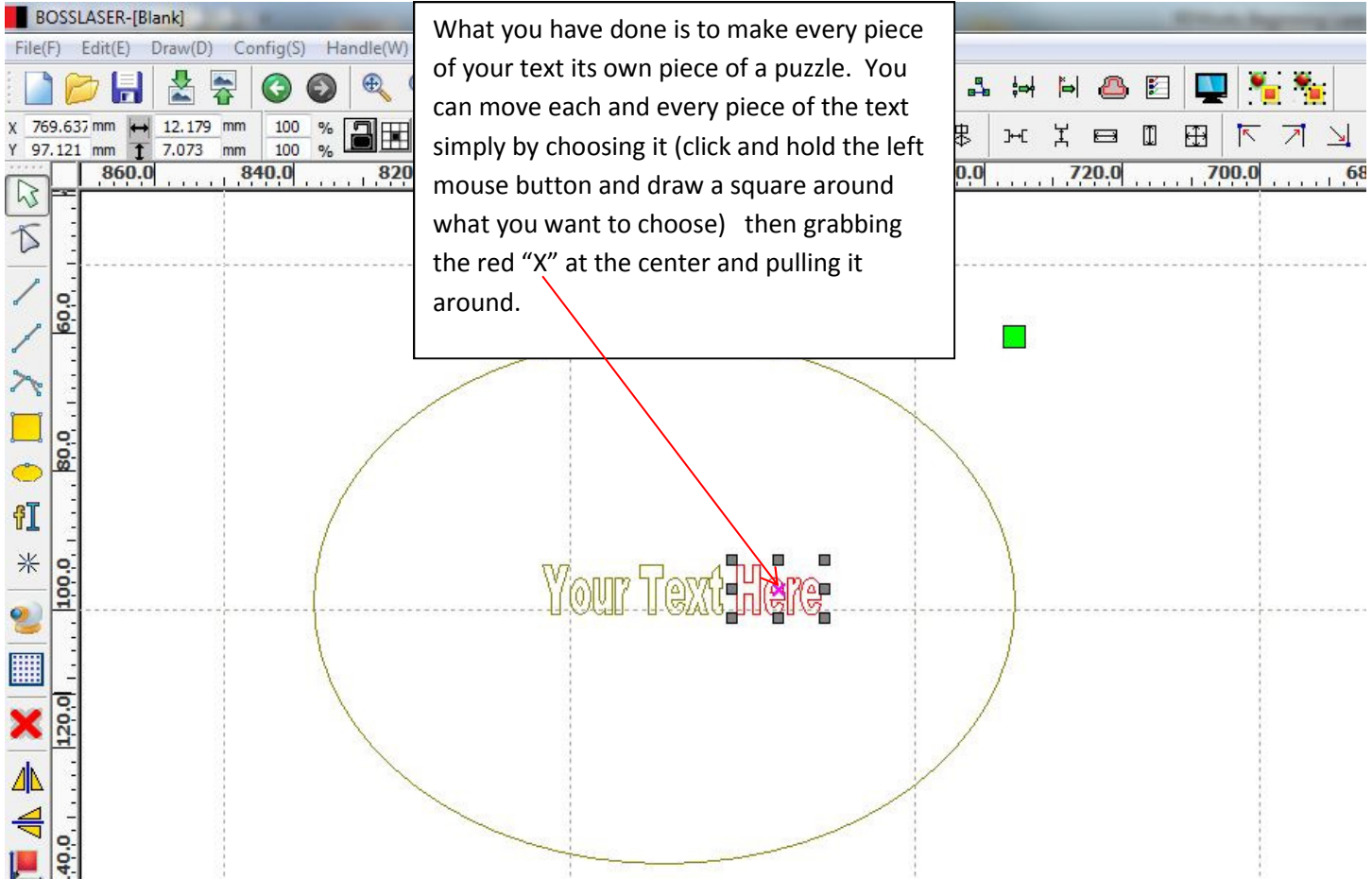


If you want to try different fonts for your text, just double click the left mouse button on your text and the text window will re-appear. You can choose a different "True Type" font then click on "Ok" to see what it will look like.

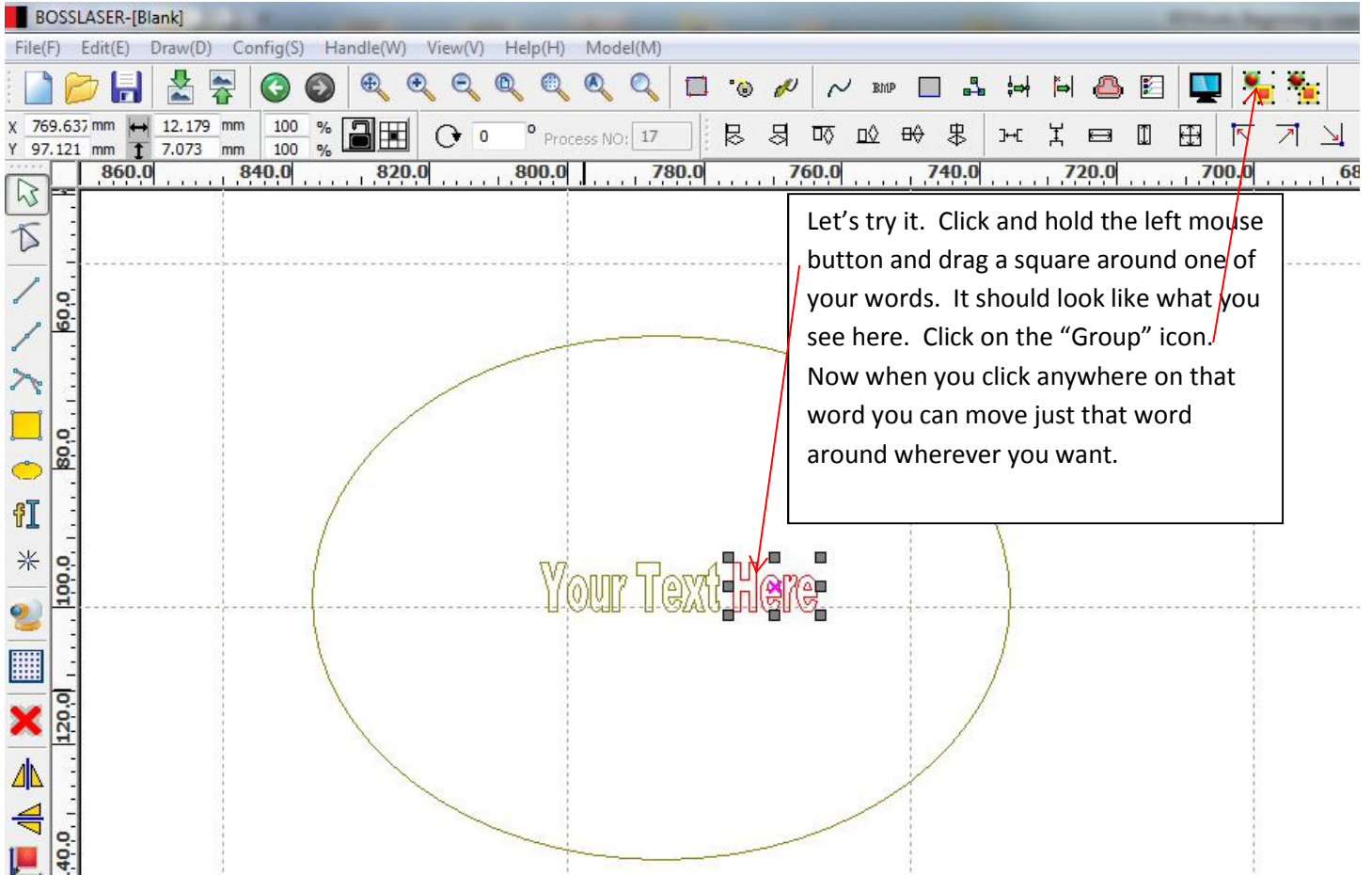


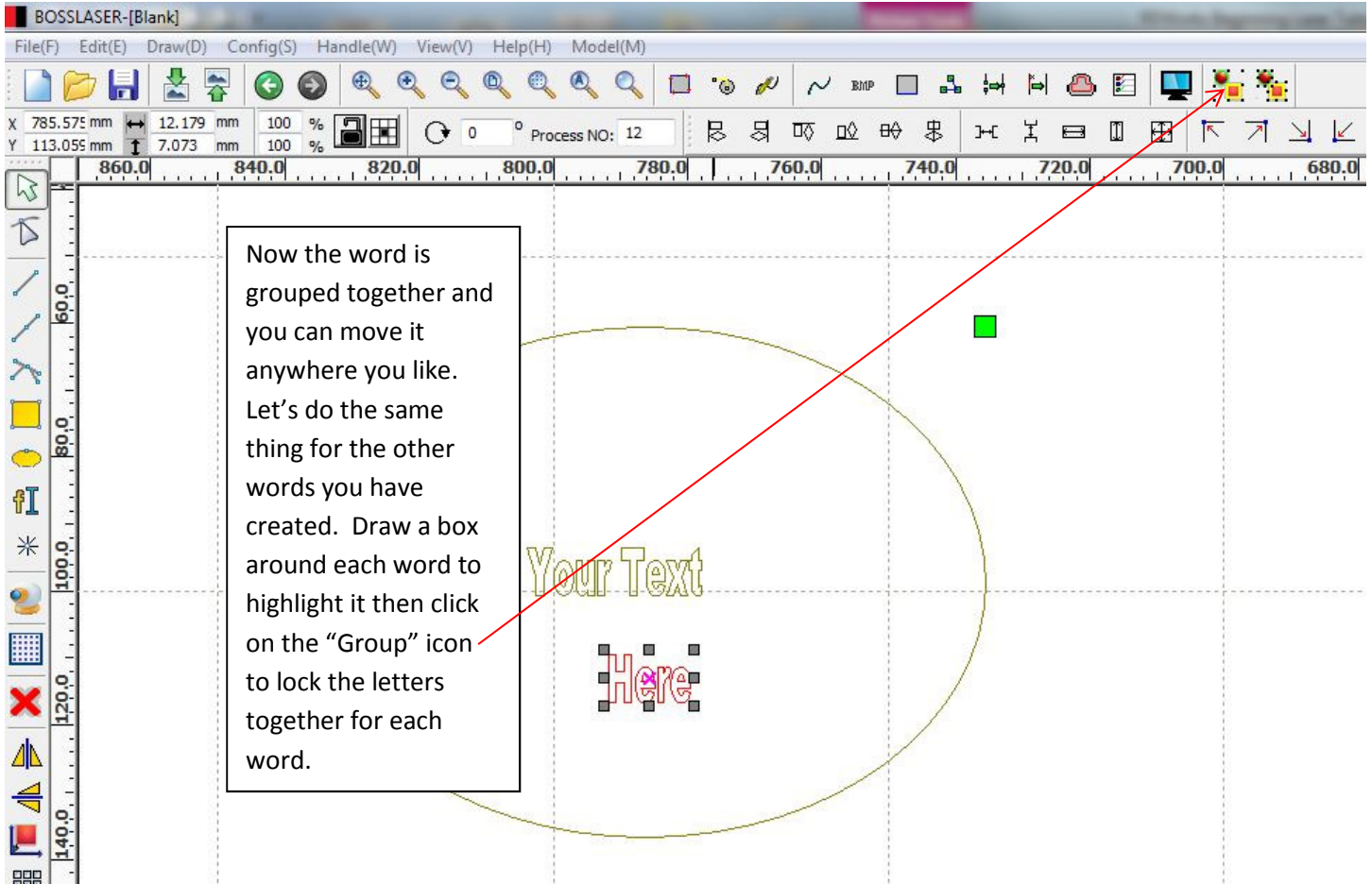
One of the things you want to be able to do is to move your text around within the ellipse to make it look how you want. There are two icons in the upper panel that you should know about. These are the "Group" and "Ungroup" buttons. These will allow you to choose letters or words to be grouped together and moved as one.

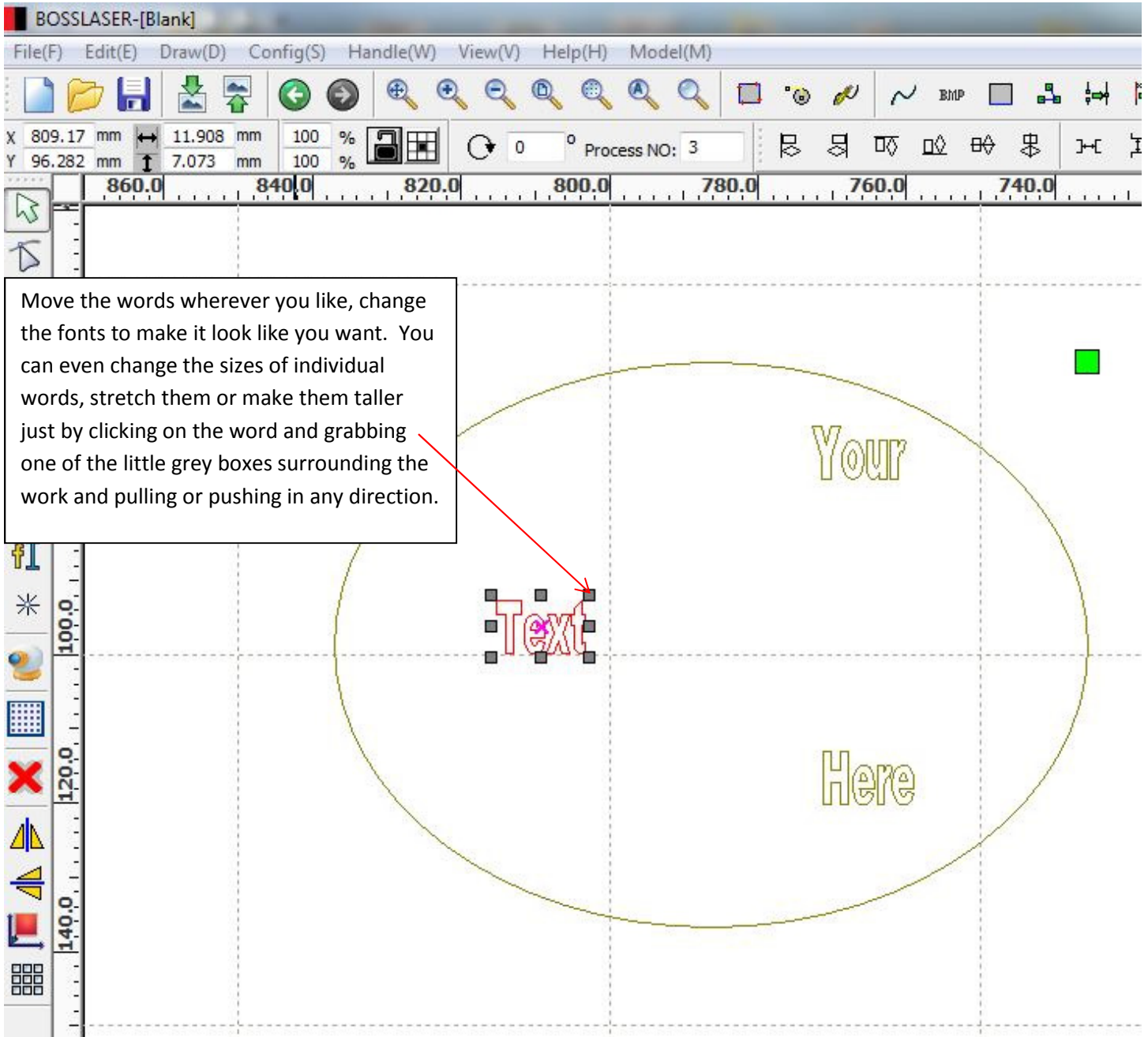


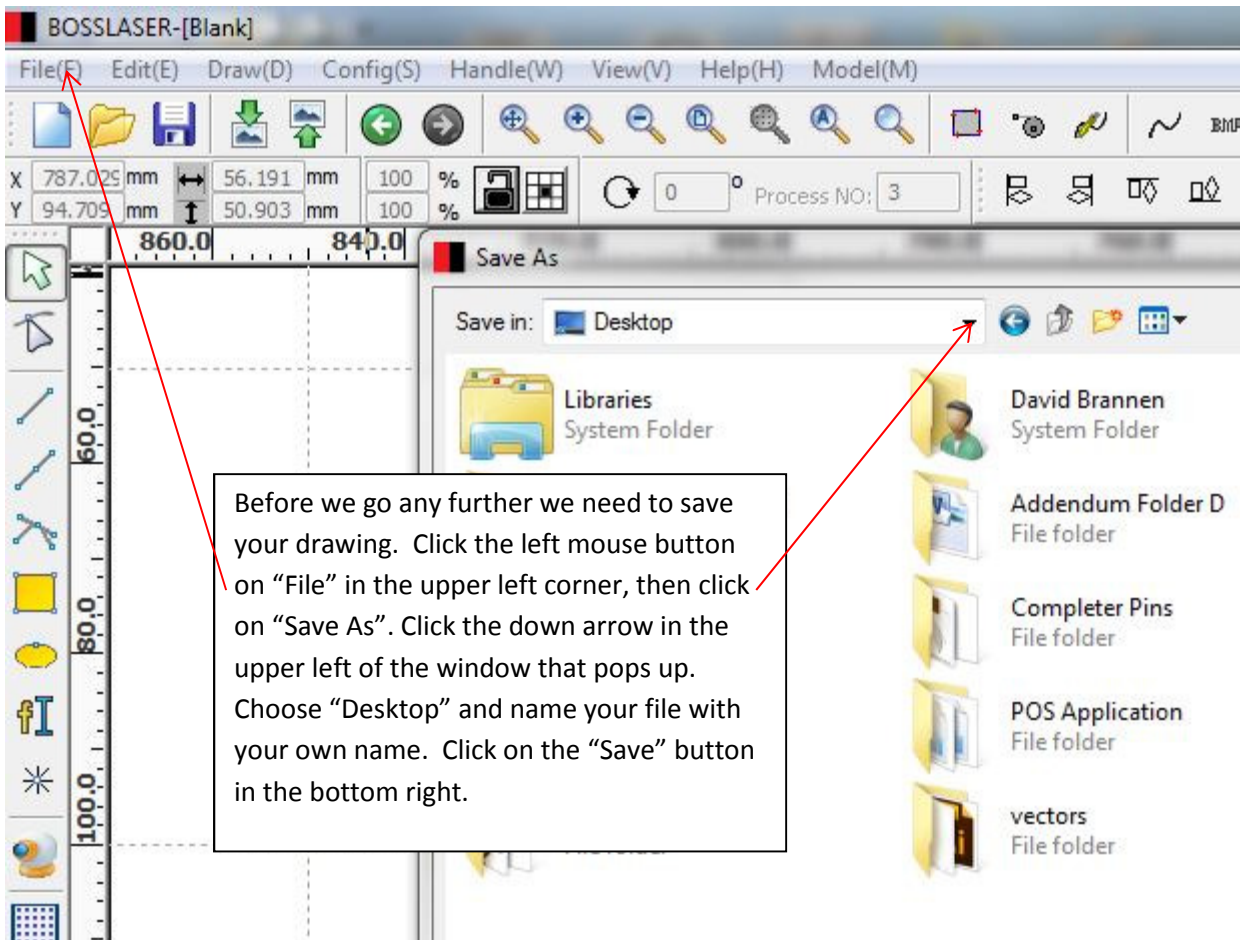


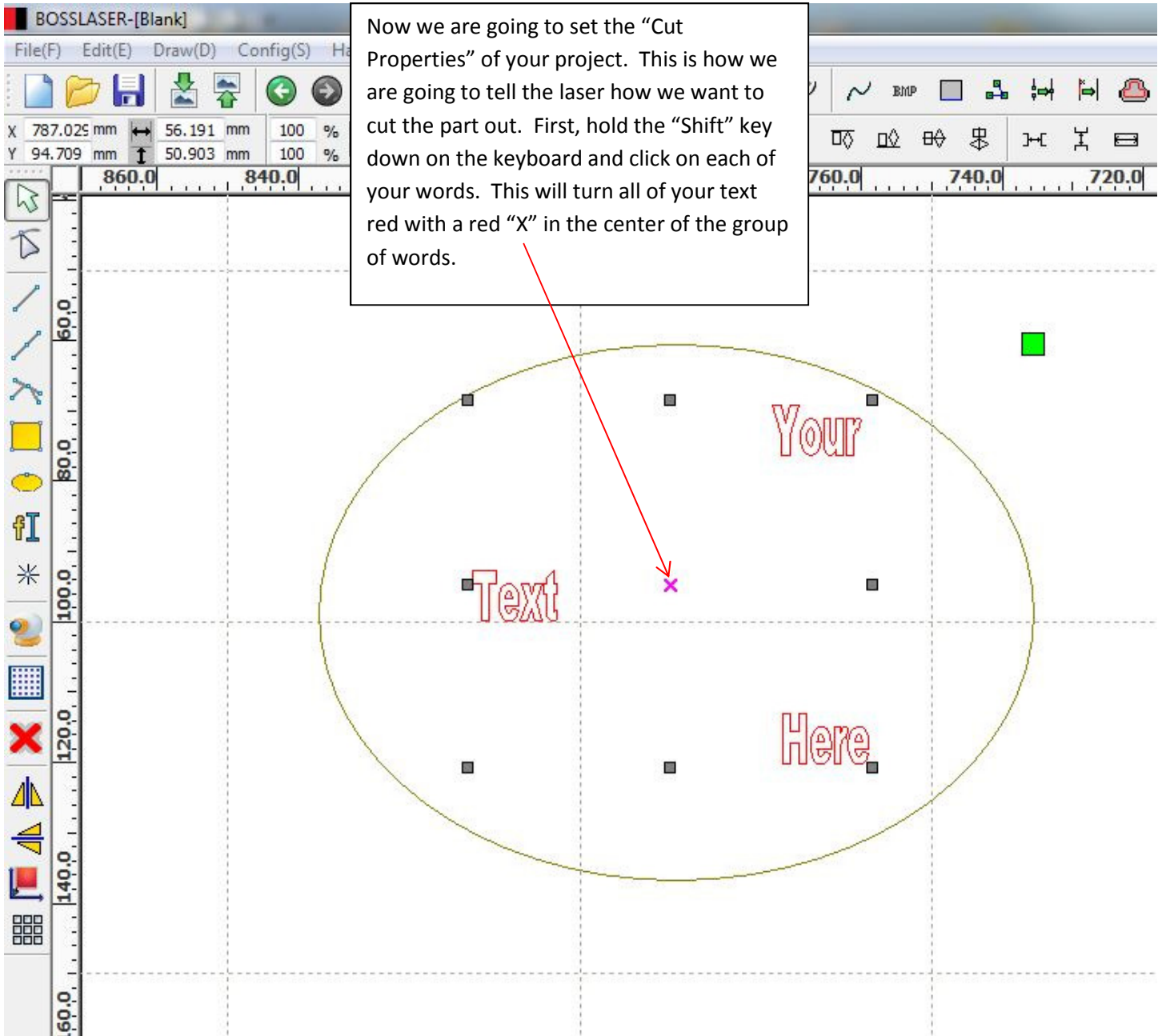
What you have done is to make every piece of your text its own piece of a puzzle. You can move each and every piece of the text simply by choosing it (click and hold the left mouse button and draw a square around what you want to choose) then grabbing the red "X" at the center and pulling it around.



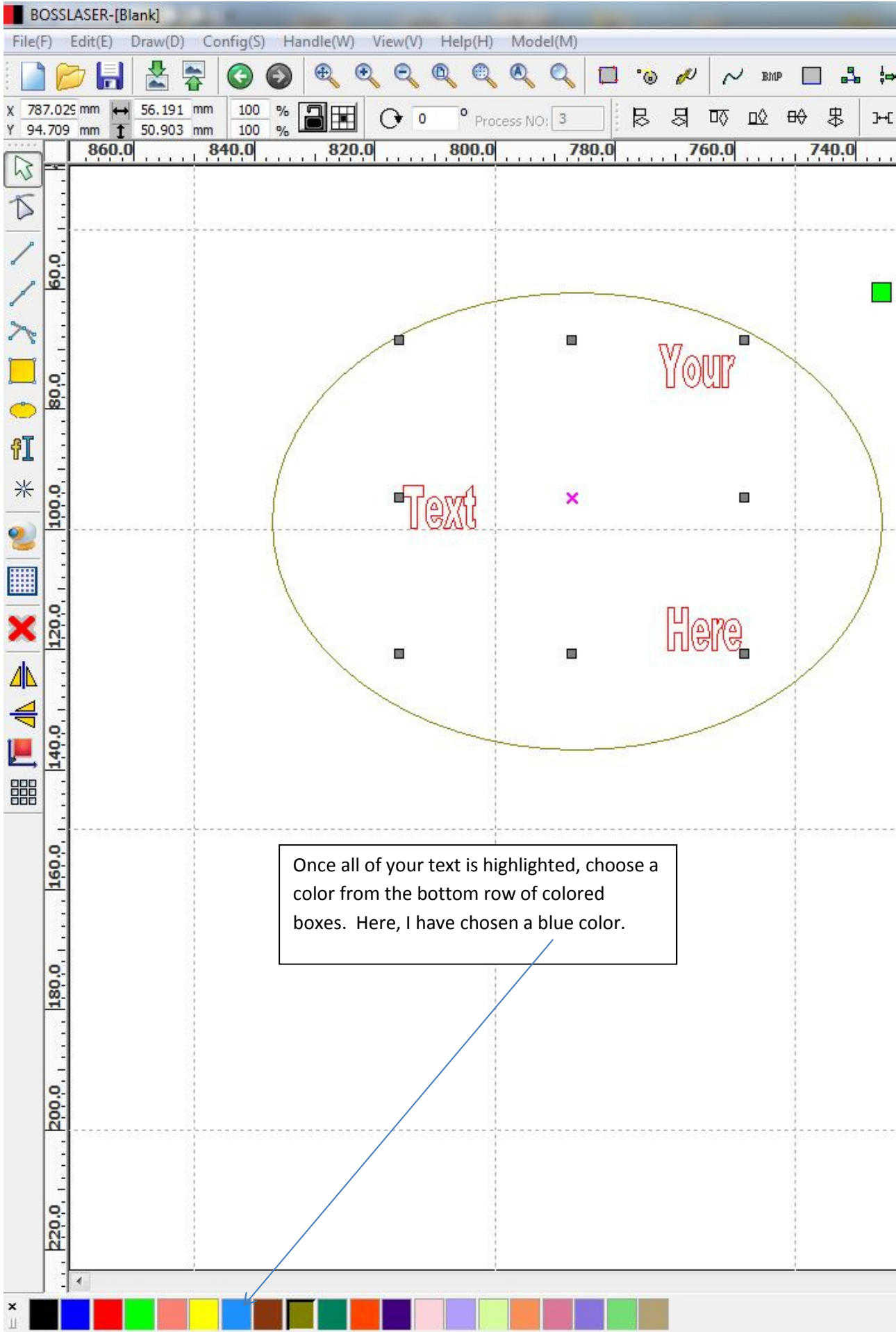


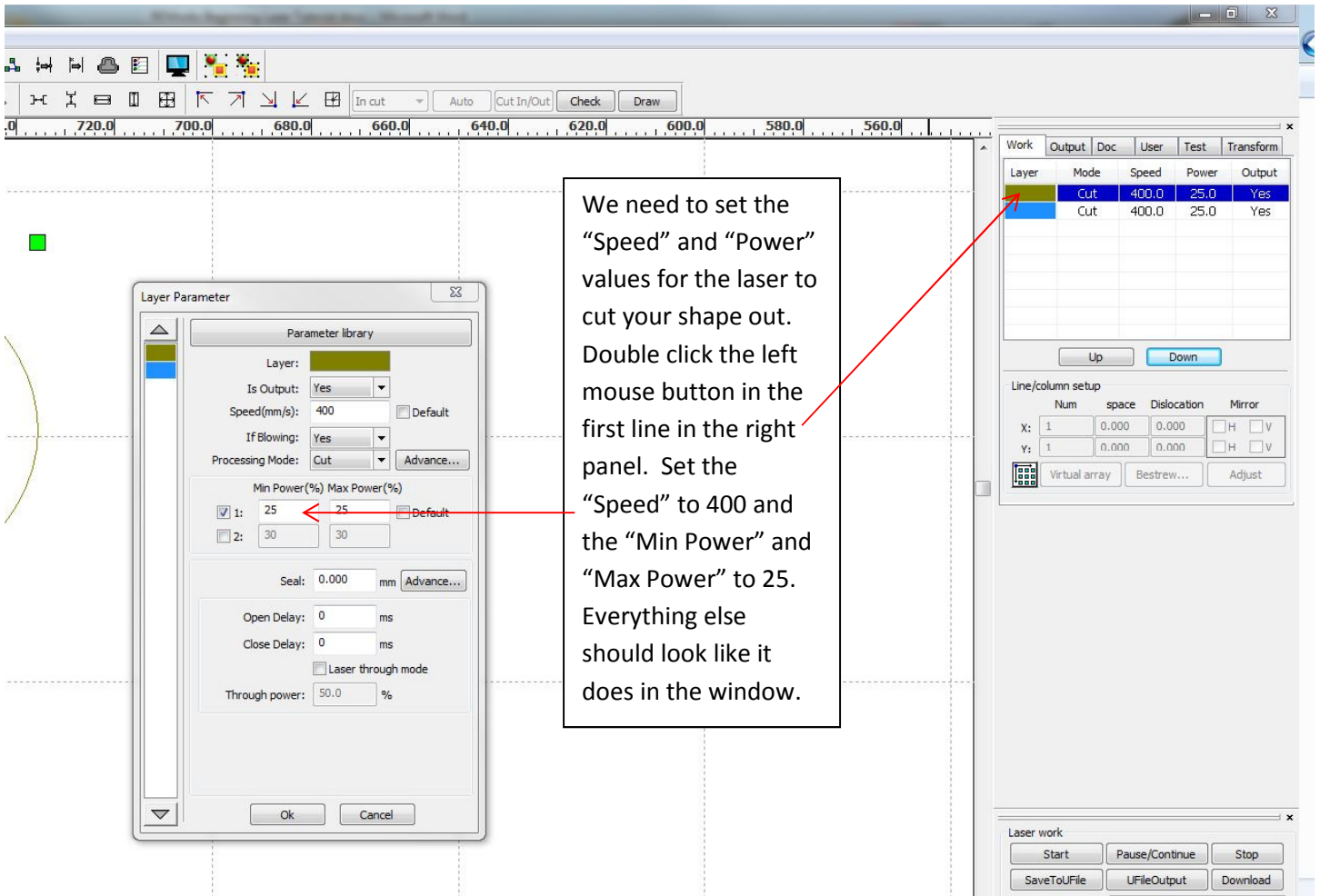
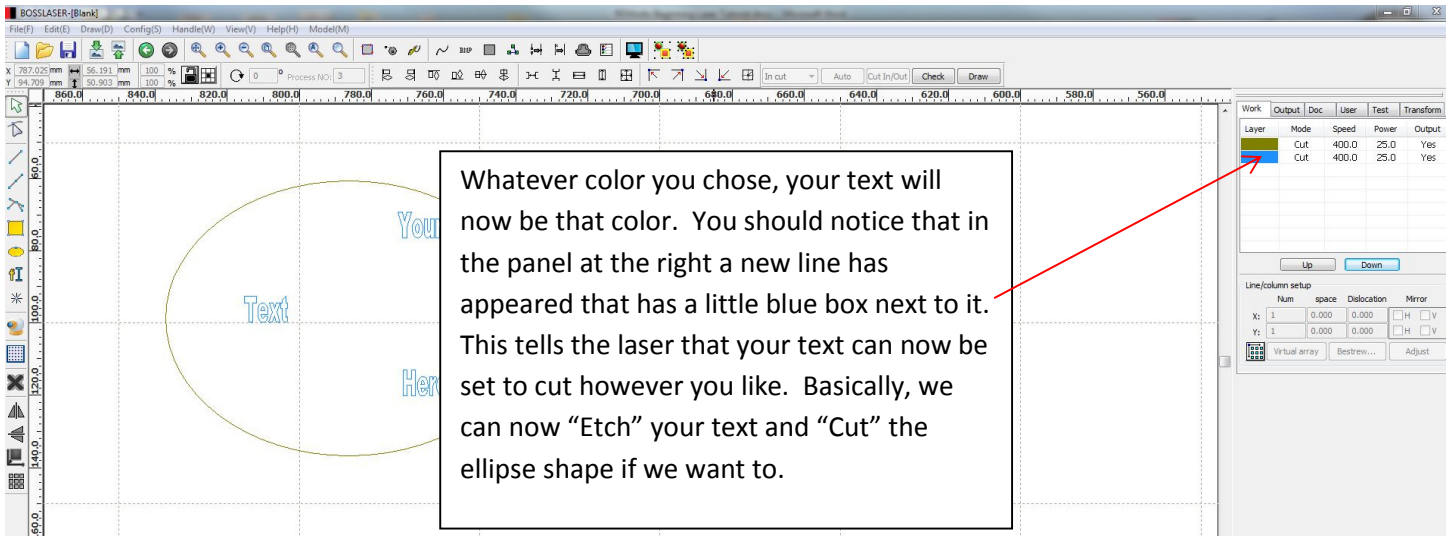


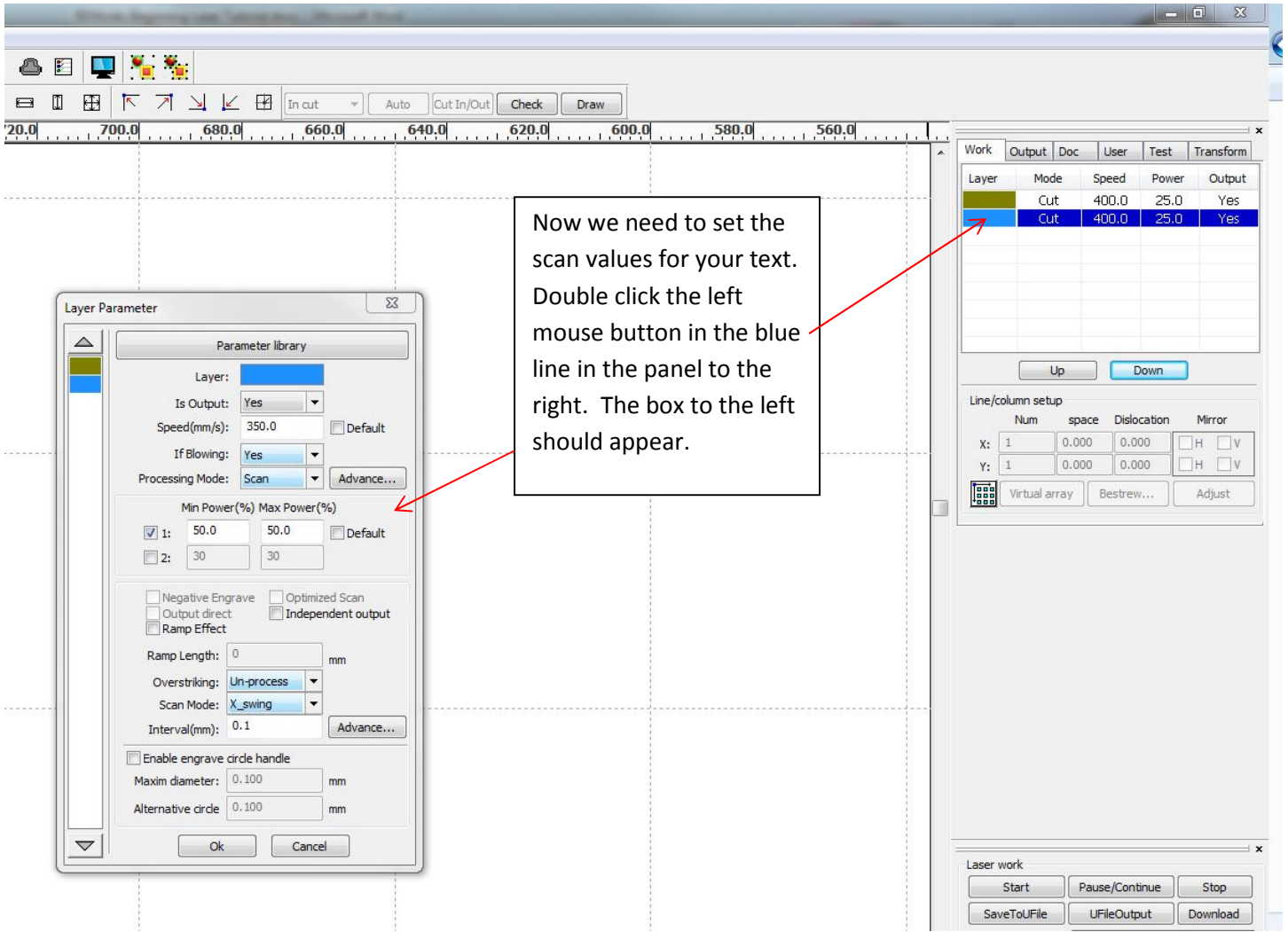


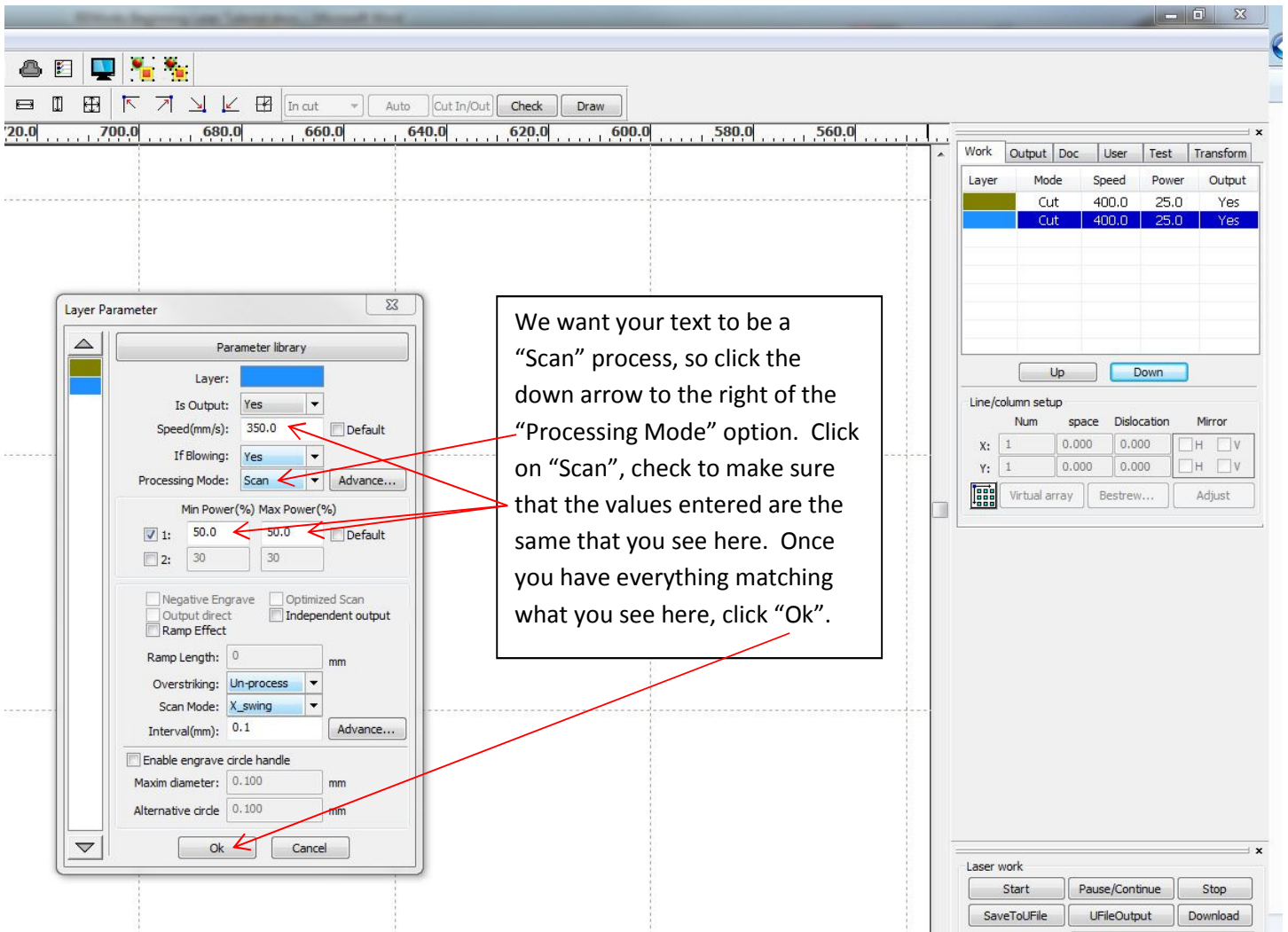


Now we are going to set the "Cut Properties" of your project. This is how we are going to tell the laser how we want to cut the part out. First, hold the "Shift" key down on the keyboard and click on each of your words. This will turn all of your text red with a red "X" in the center of the group of words.









We want your text to be a "Scan" process, so click the down arrow to the right of the "Processing Mode" option. Click on "Scan", check to make sure that the values entered are the same that you see here. Once you have everything matching what you see here, click "Ok".

Layer	Mode	Speed	Power	Output
	Cut	400.0	25.0	Yes
	Scan	350.0	50.0	Yes

Line/column setup

	Num	space	Dislocation	Mirror	
X:	1	0.000	0.000	<input type="checkbox"/> H	<input type="checkbox"/> V
Y:	1	0.000	0.000	<input type="checkbox"/> H	<input type="checkbox"/> V

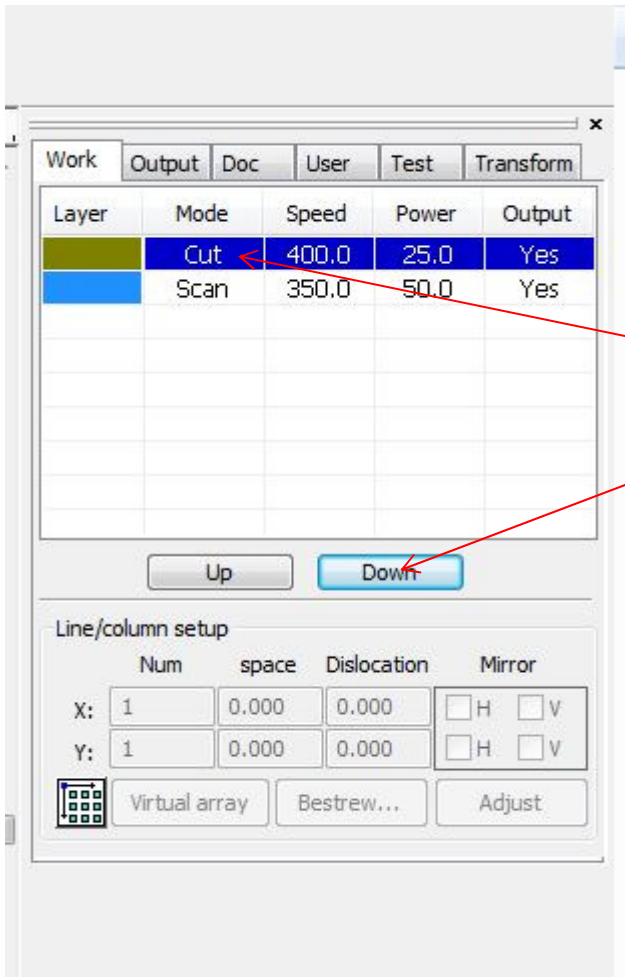
Virtual array Bestrew... Adjust

Laser work

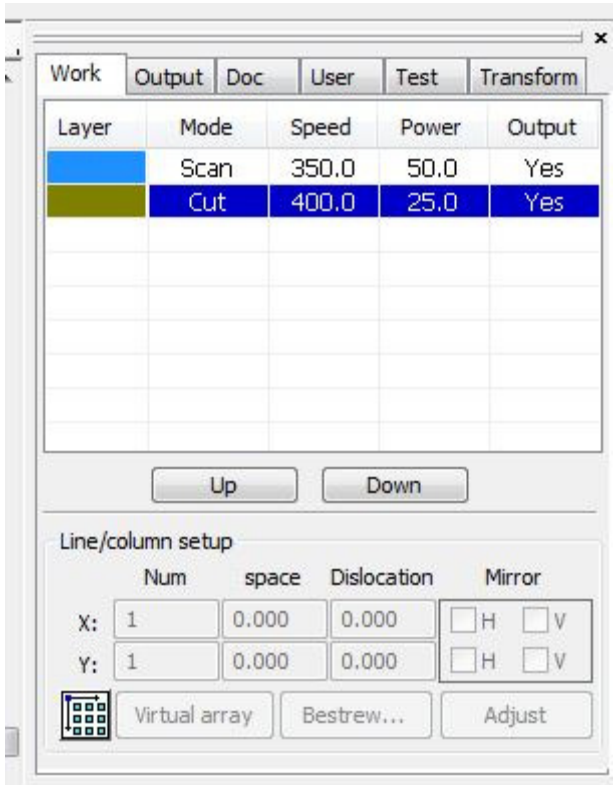
Start Pause/Continue Stop

SaveToFile UFileOutput Download

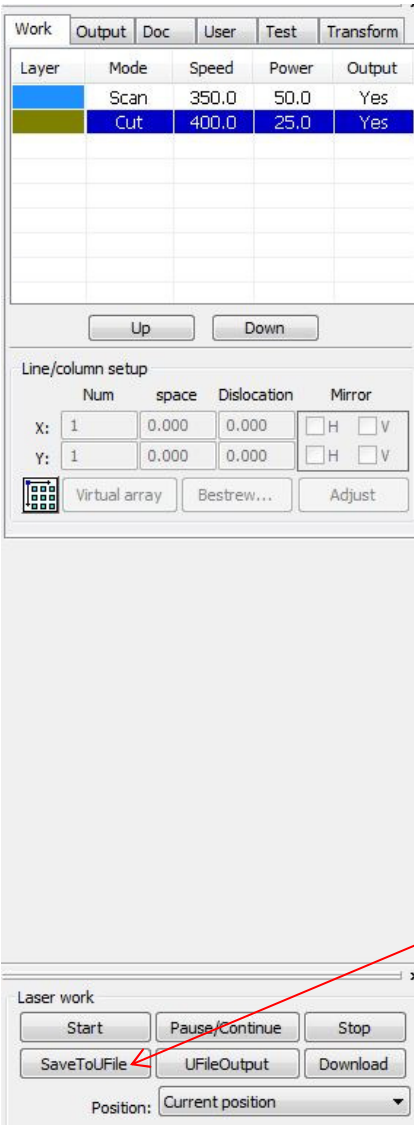
The right side of your screen should look exactly like what you see here. We need to do one more thing though. We need to set the order that the laser cuts your part out.



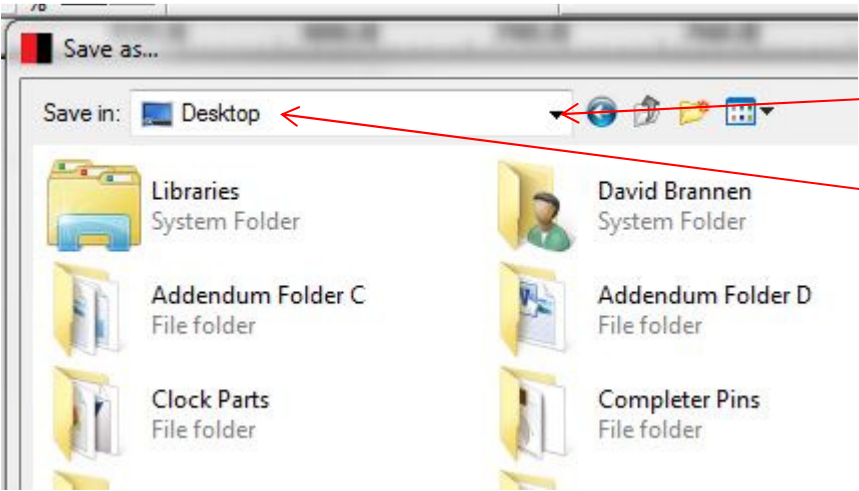
Select the line that says "Cut" until it is highlighted then click the "Down" button to move it below the "Scan" line.



Your window should look just like this one does.



Now we need to save your work. Click on the "Save To UFile" button at the bottom of the right window.



A new window will come up. Click on the down arrow at the top of the window and choose "Desktop". Give your file your name then click on the "Save" button at the bottom right.