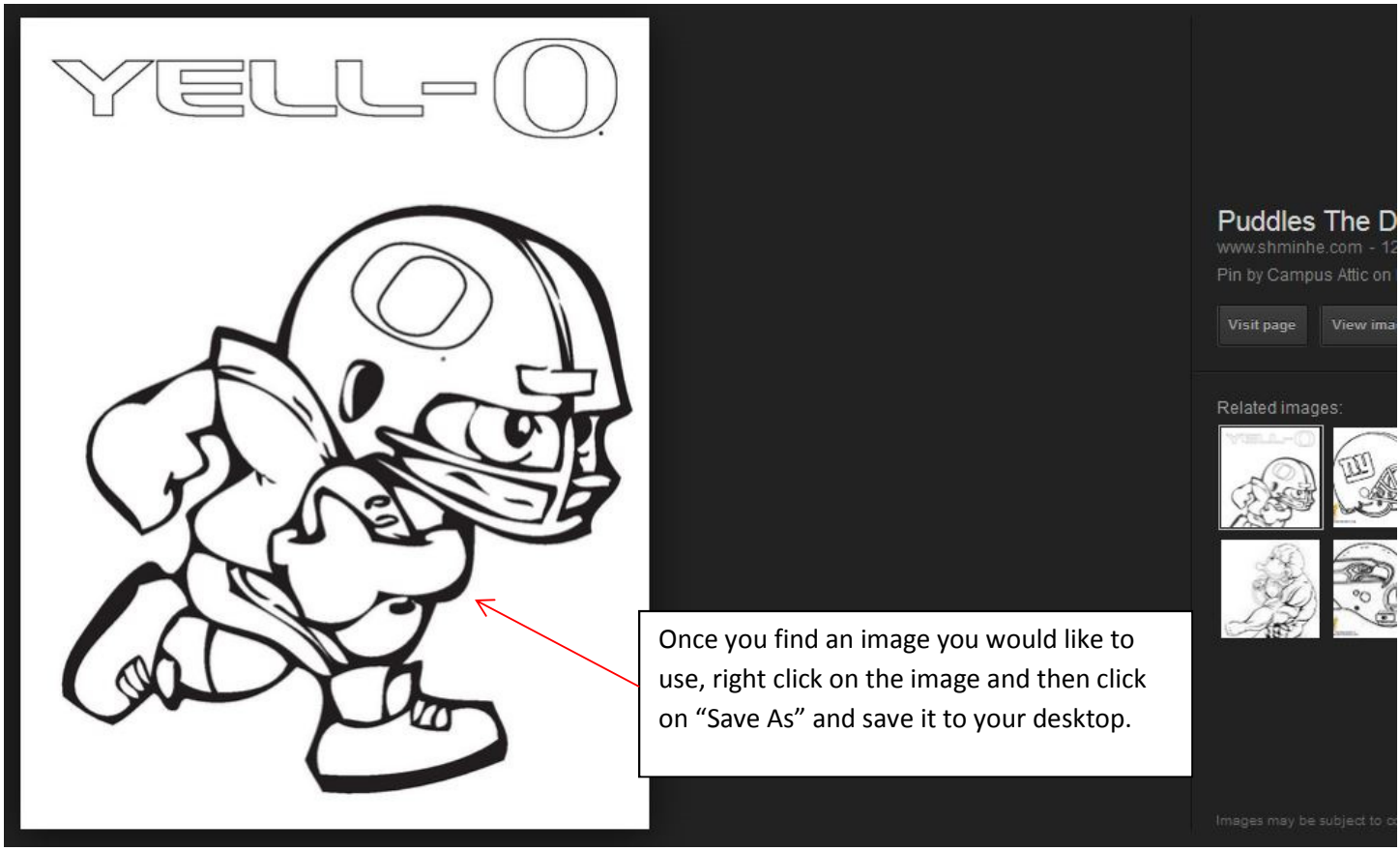
# Importing an Image into LaserWorks

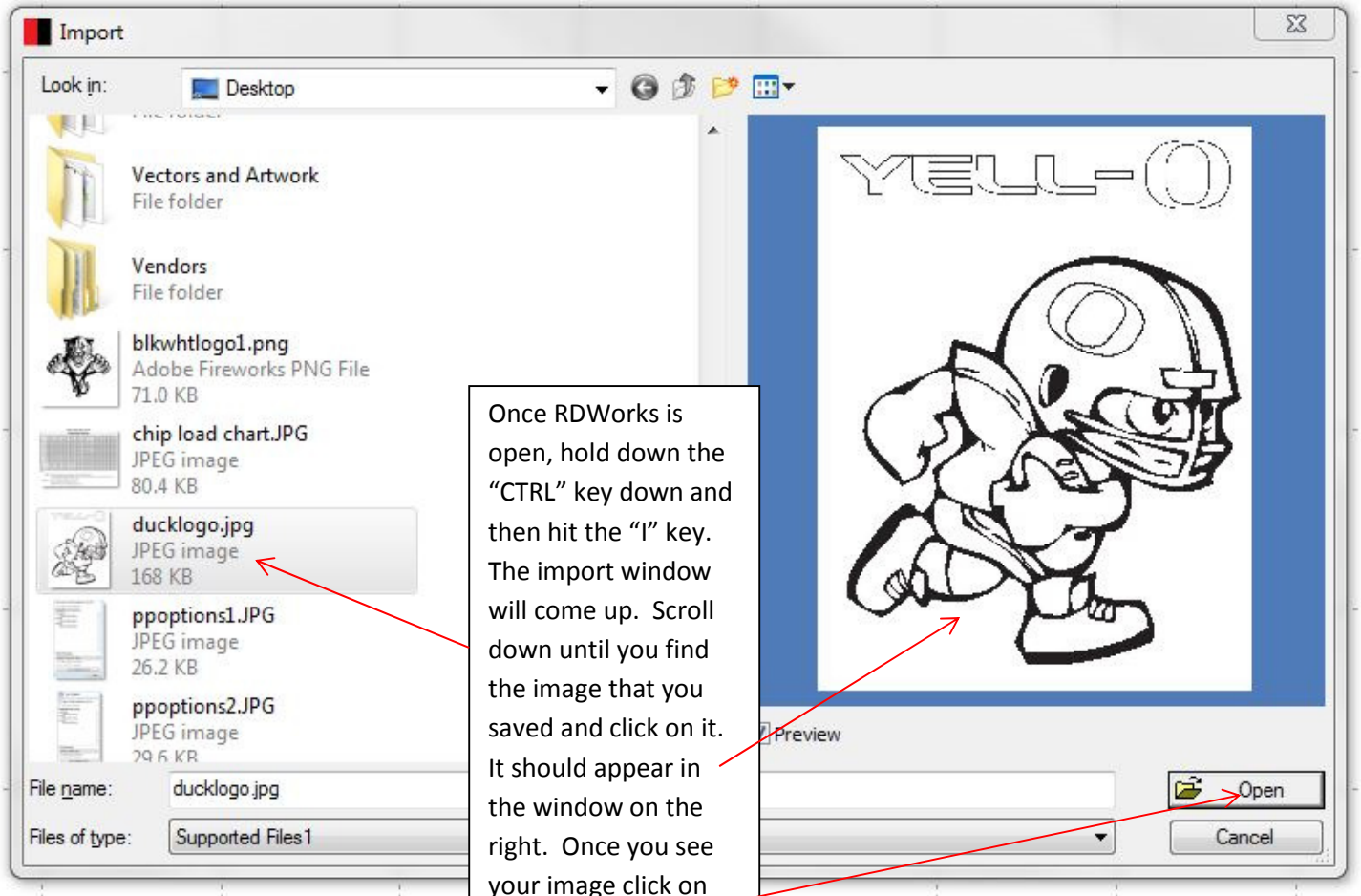
Importing an image to reproduce on the laser is not difficult. Try a google search for "black and white logos" or something more specific like "black and white Ducks logo".


You want an image that is a fairly high resolution. You can tell by looking at the image dimensions like you see here. These numbers tell you how tall and wide an image is in pixels. For the laser, you want to find something that is at least 1000 x 1000 pixels in size or bigger.

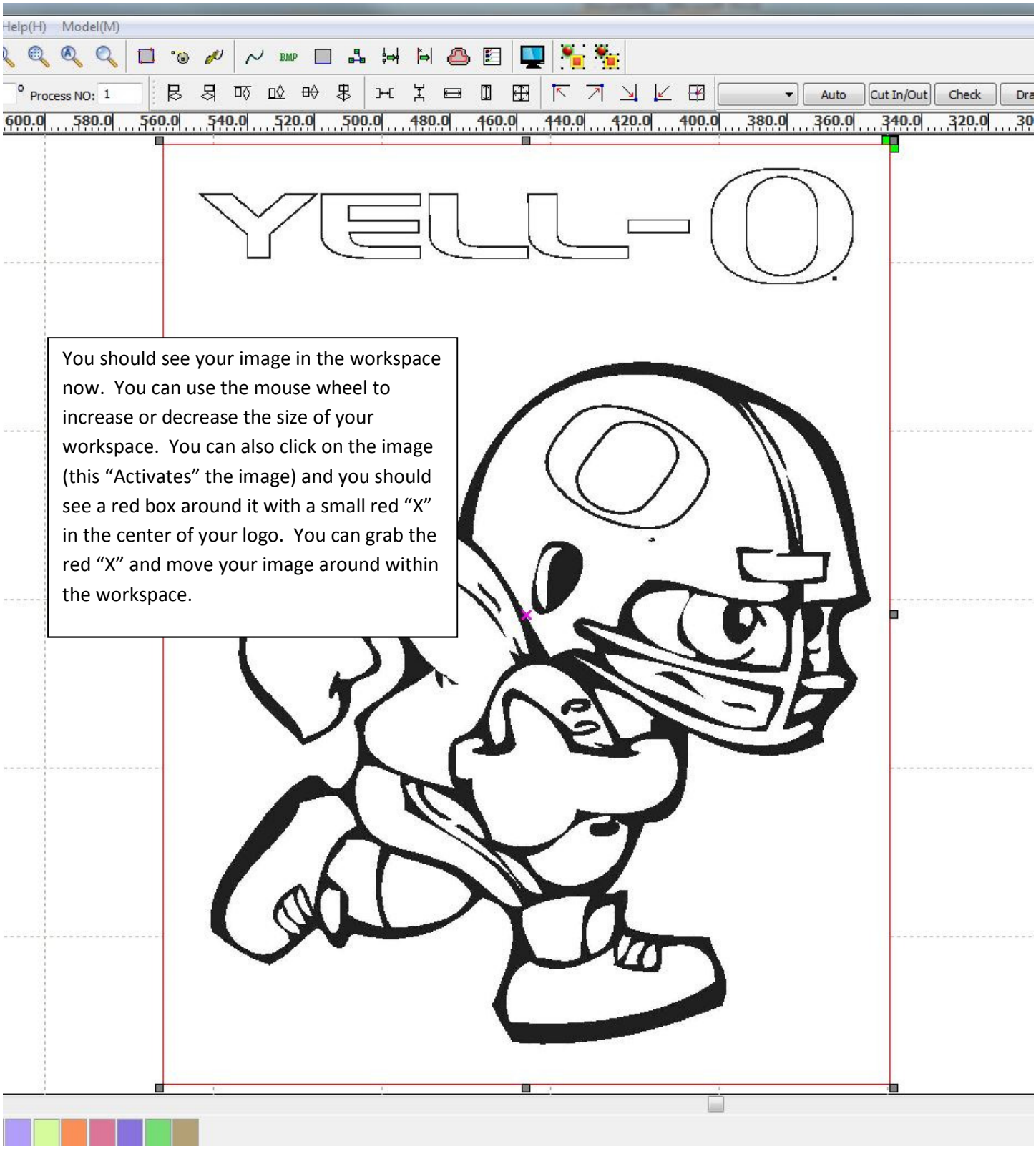


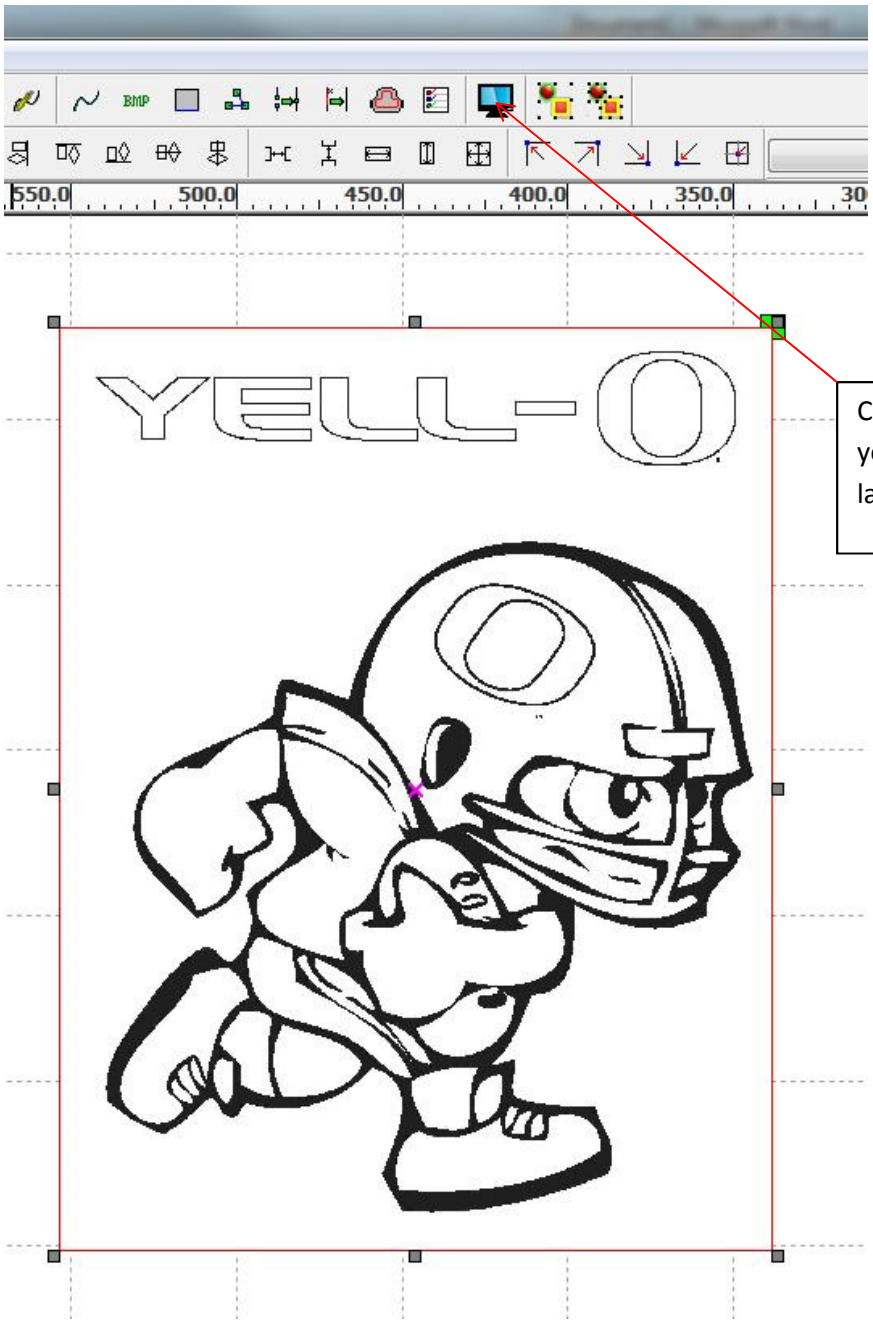

Once you find an image you would like to use, right click on the image and then click on “Save As” and save it to your desktop.

Now you need to open “RDWorks” or on some computers it is called “LaserWorks”. Double click on the icon on your desktop to open the software.

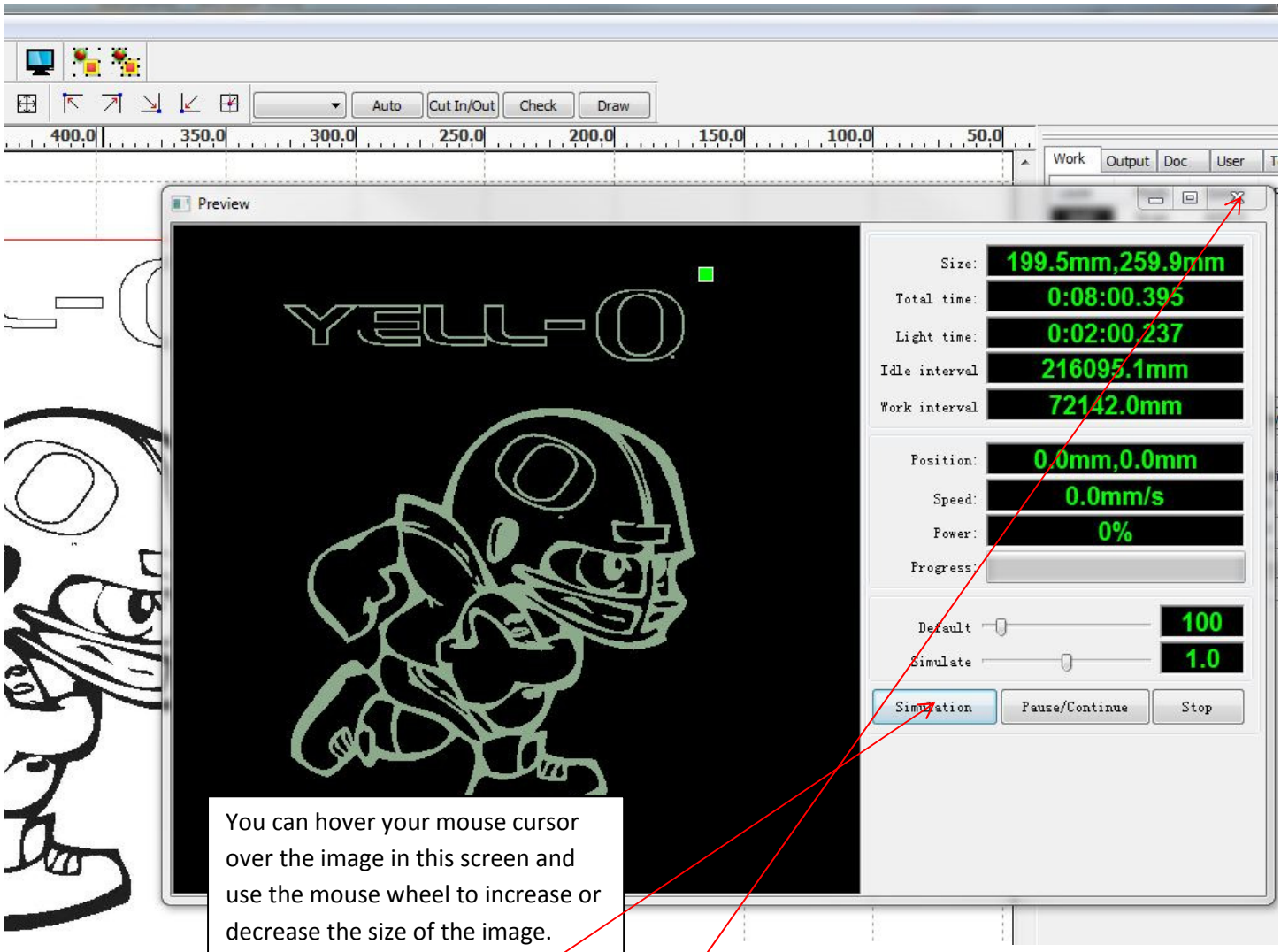



Once RDWorks is open, hold down the "CTRL" key down and then hit the "I" key. The import window will come up. Scroll down until you find the image that you saved and click on it. It should appear in the window on the right. Once you see your image click on "Open".

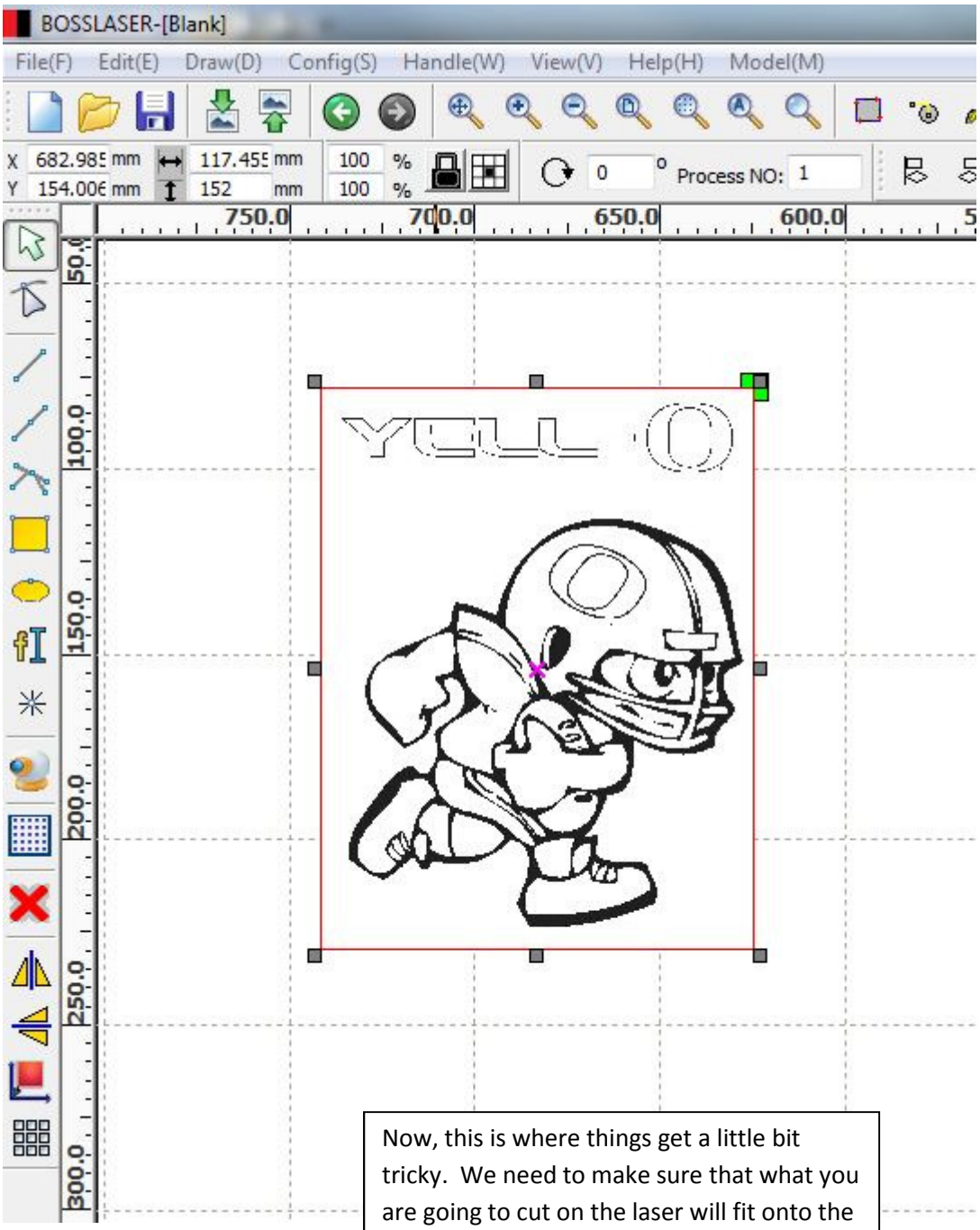

Help(H)
Model(M)
Process NO: 1
Auto
Cut In/Out
Check
600.0
580.0
560.0
540.0
520.0
500.0
480.0
460.0
440.0
420.0
400.0
380.0
360.0
340.0
320.0
YELL-O
You should see your image in the workspace now. You can use the mouse wheel to increase or decrease the size of your workspace. You can also click on the image (this "Activates" the image) and you should see a red box around it with a small red "X" in the center of your logo. You can grab the red "X" and move your image around within the workspace.



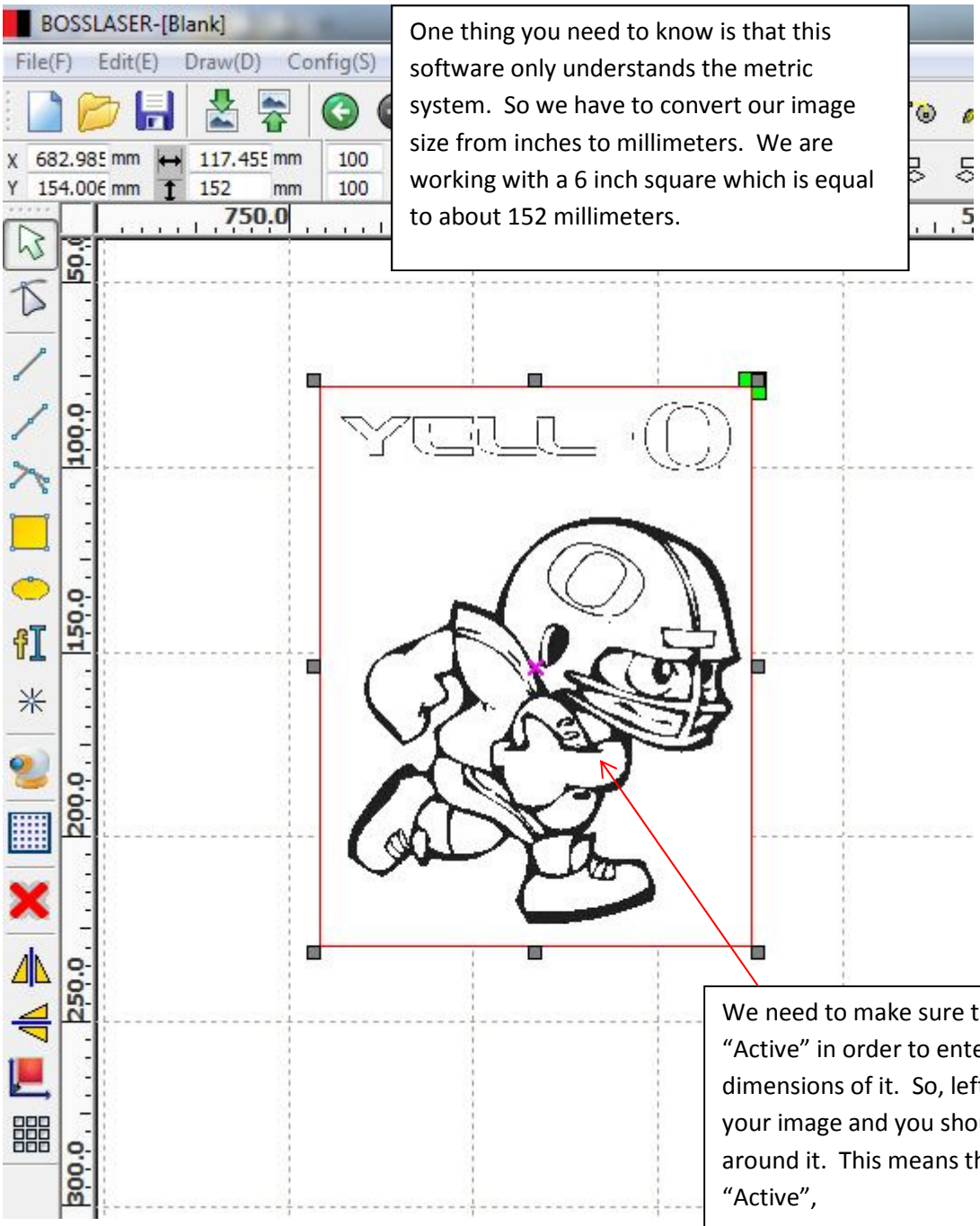

Click on the “Preview” icon at the top of your screen. This will show you how the laser is going to reproduce your image.




You can hover your mouse cursor over the image in this screen and use the mouse wheel to increase or decrease the size of the image. Now click on the “Simulation” button to see a preview of how the laser will burn your image into your material. Once you have tried this, click on the “X” at the top right of the Preview screen to close the window.




Now, this is where things get a little bit tricky. We need to make sure that what you are going to cut on the laser will fit onto the material you have. We will be using plywood that is a 6 inch square and as you can see here our image is not a square but a rectangle. We can still do this but we have to be careful to make the correct changes to make it work right.

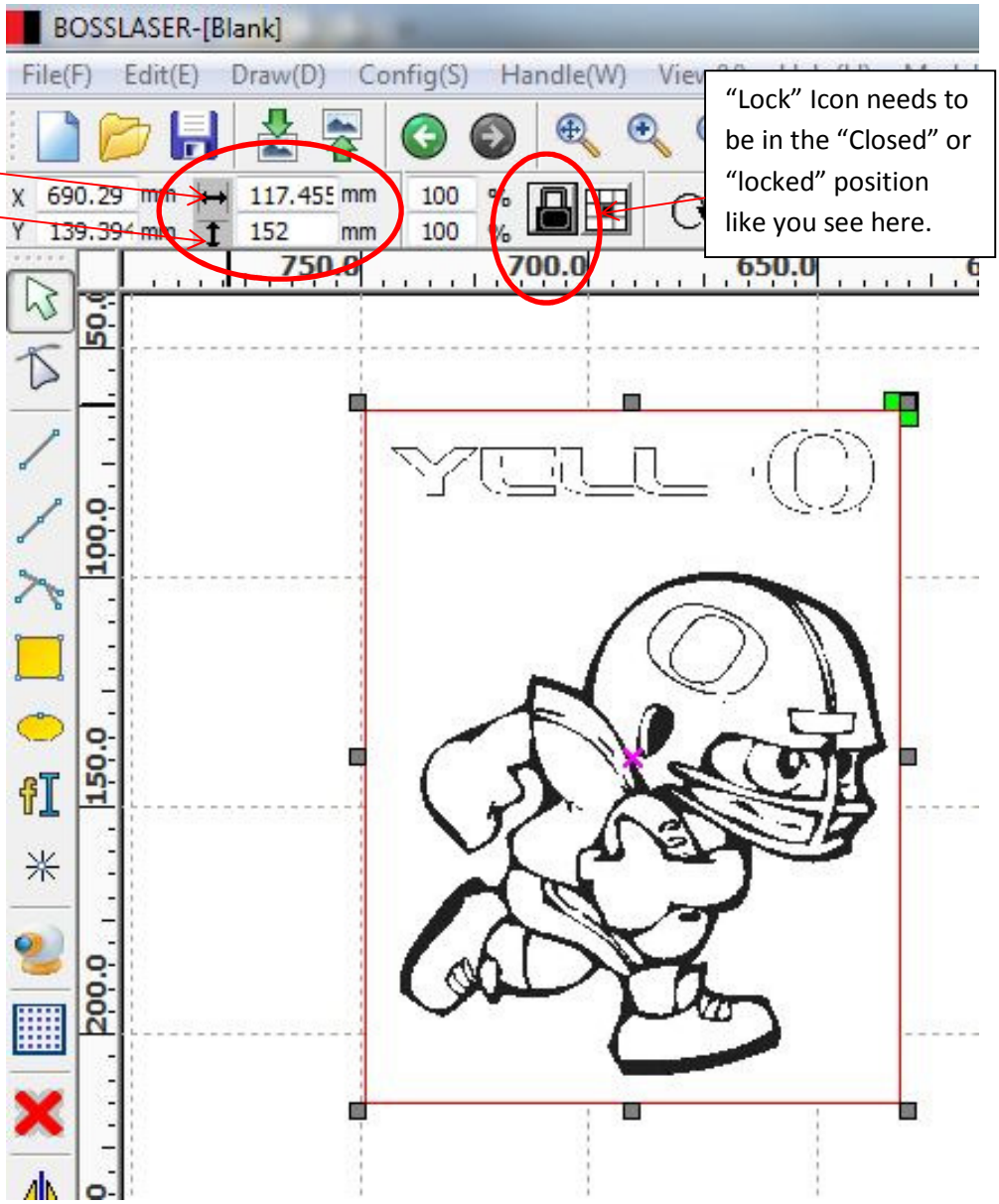



One thing you need to know is that this software only understands the metric system. So we have to convert our image size from inches to millimeters. We are working with a 6 inch square which is equal to about 152 millimeters.

We need to make sure that your image is "Active" in order to enter the final dimensions of it. So, left click anywhere on your image and you should see a red box around it. This means that it is now "Active",

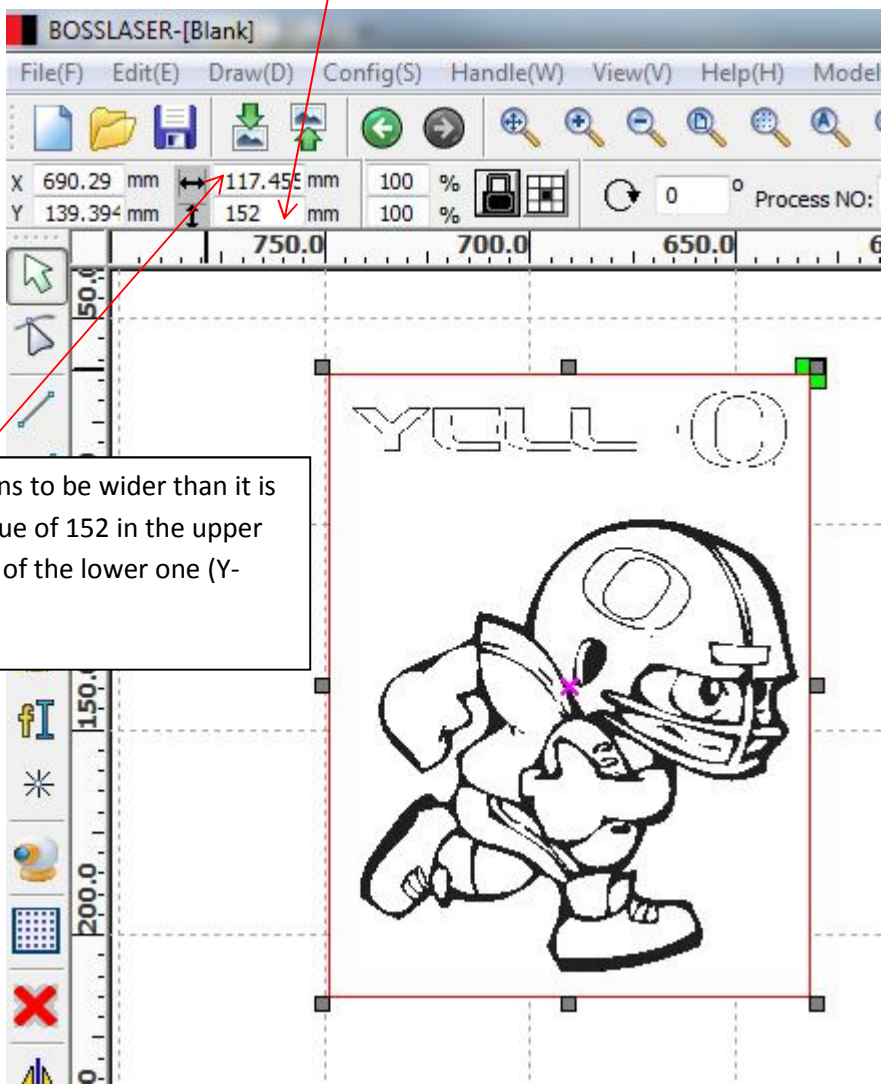
There are two small dimension boxes on the screen. One is for the x-axis (horizontal) and one is for the y-axis (vertical). There is also a little "Lock" icon that is important to you.

"X-axis" is on top and "Y-axis is on the bottom.




"Lock" Icon needs to be in the "Closed" or "locked" position like you see here.

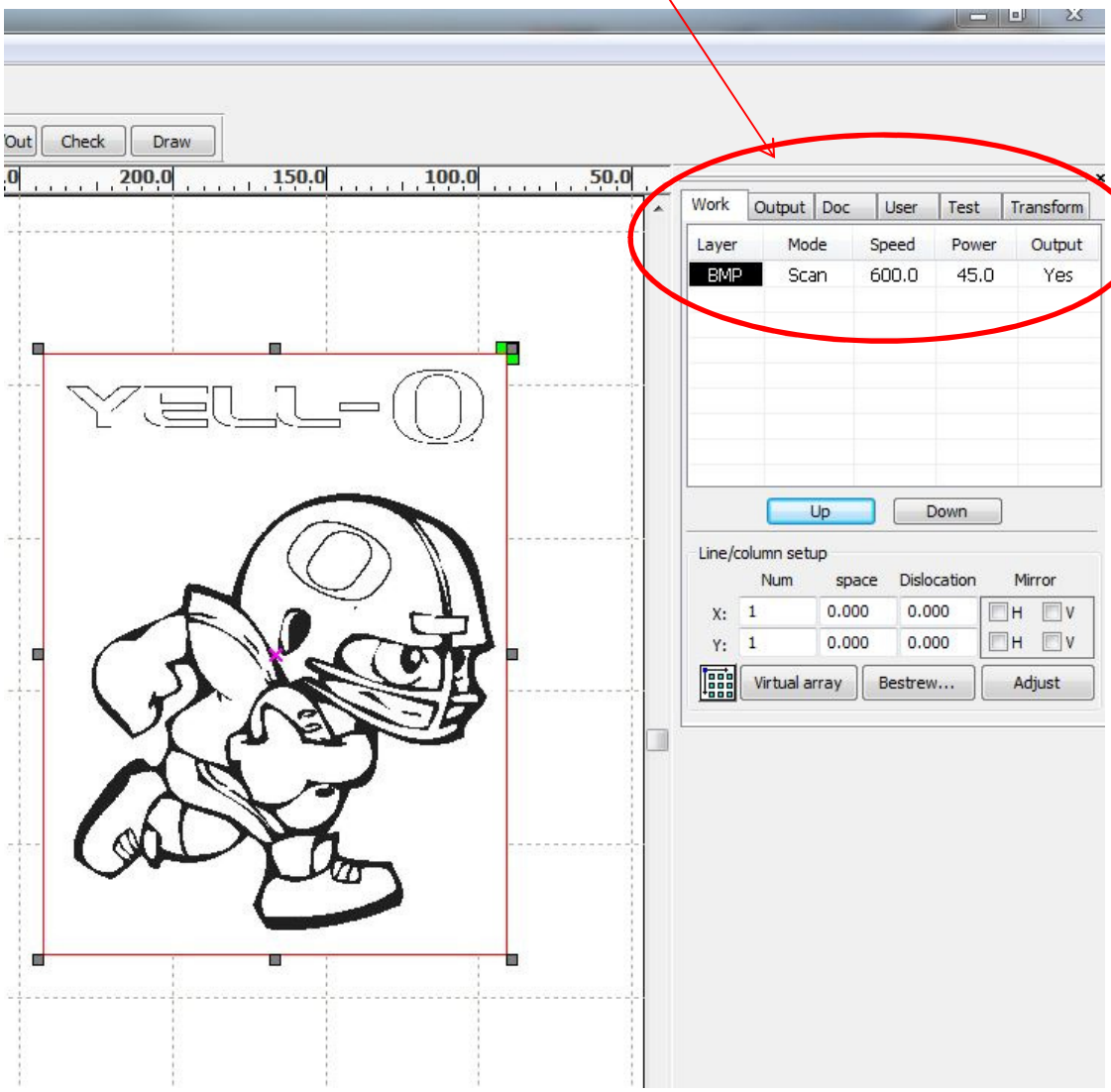
Take a look at your image. Is it taller than it is wide? If it is, then you need to enter a value of “152” in the “Y-axis” box (the bottom one). Hit the enter key on your keyboard when you have entered the value in the correct box.

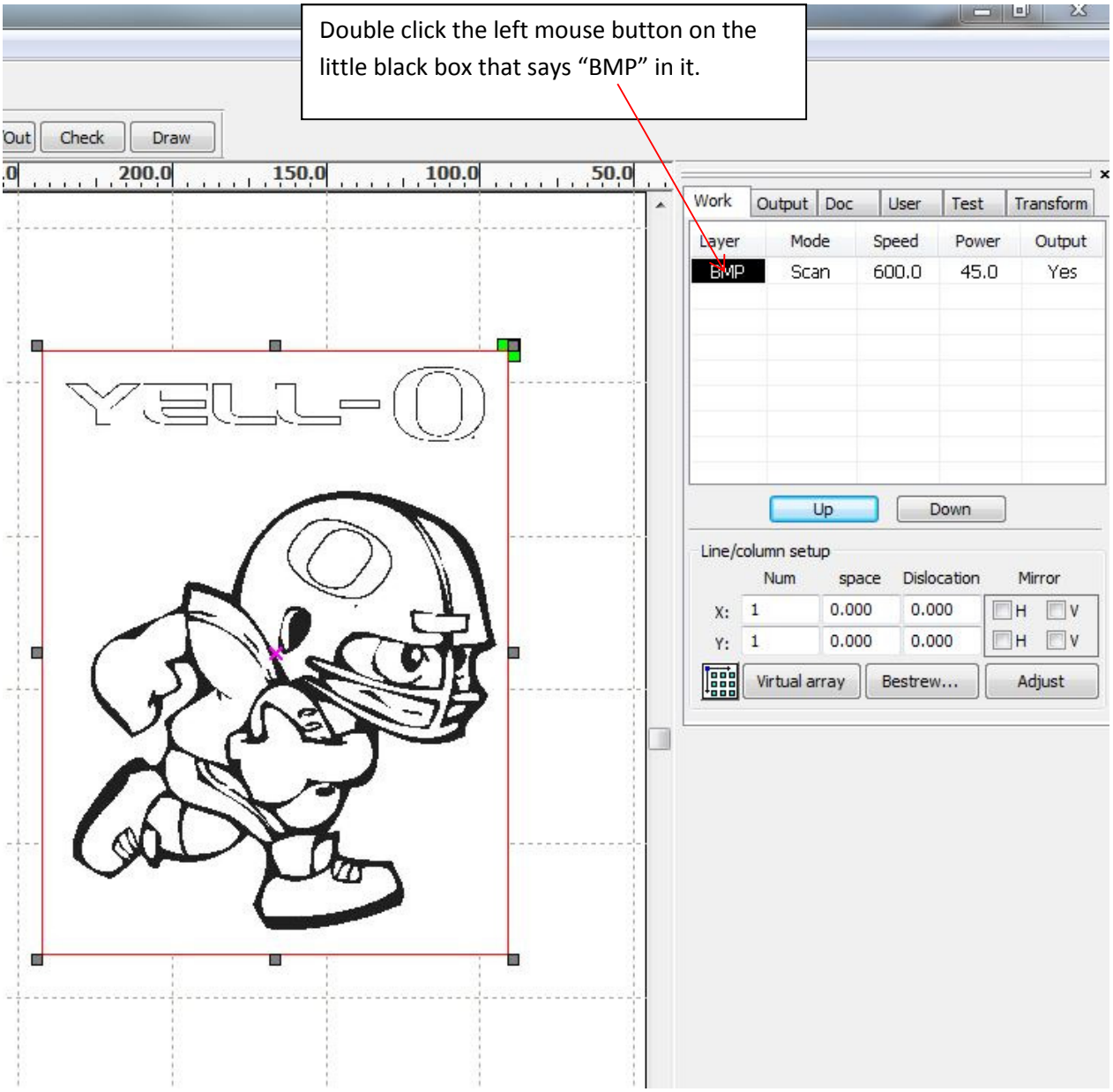



If your image happens to be wider than it is tall, then enter a value of 152 in the upper box (X-axis) instead of the lower one (Y-axis)

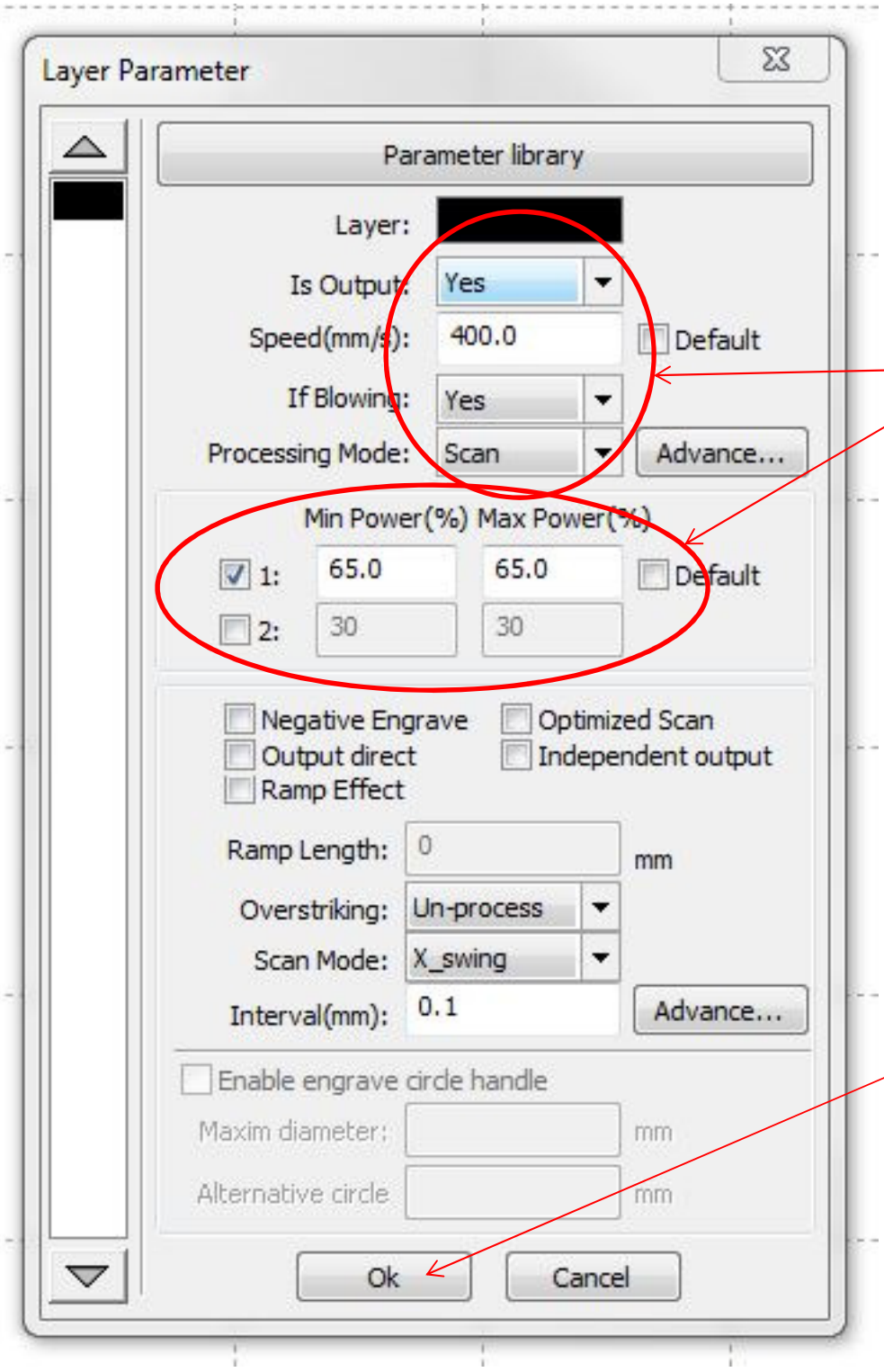
If your image is square, just enter a value of 152 into either of the boxes (X or Y axes) and hit enter on your keyboard.

Now we are going to tell the laser how fast we want it work and how much power it should use when creating your image. Take a look at the right side of your workspace. You should see what is shown here.



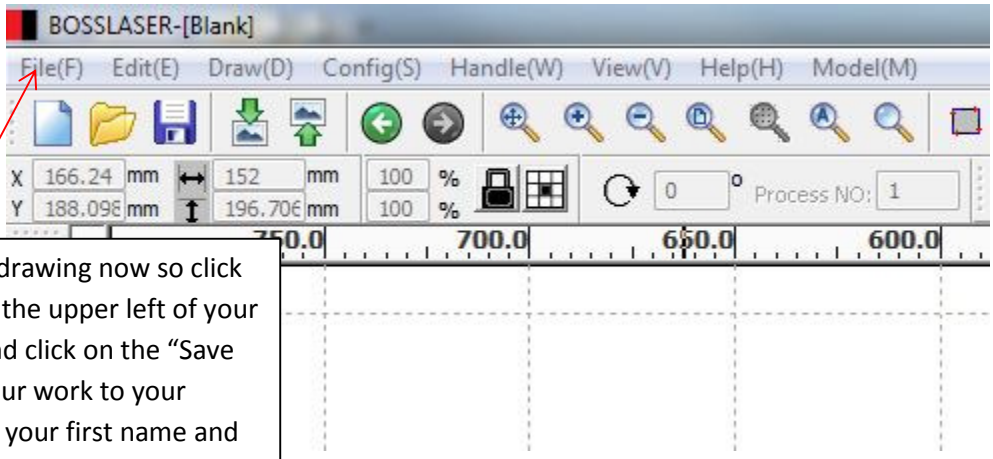

Double click the left mouse button on the little black box that says “BMP” in it.
Out
Check
Draw
200.0
150.0
100.0
50.0
YELL-O
Work
Output
Doc
User
Test
Transform
Layer
Mode
Speed
Power
Output
BMP
Scan
600.0
45.0
Yes
Up
Down
Line/column setup
Num
space
Dislocation
Mirror
X:
1
0.000
0.000
H
V
Y:
1
0.000
0.000
H
V
Virtual array
Bestrew...
Adjust

The “Layer Parameter” window should appear. This is where we will tell the laser how fast to work and how much power to use.



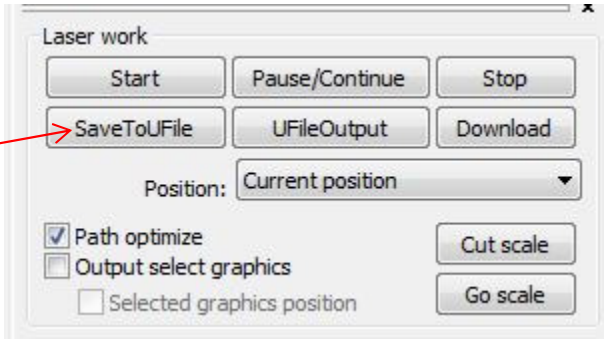

Set all of the parameters to exactly what you see here.

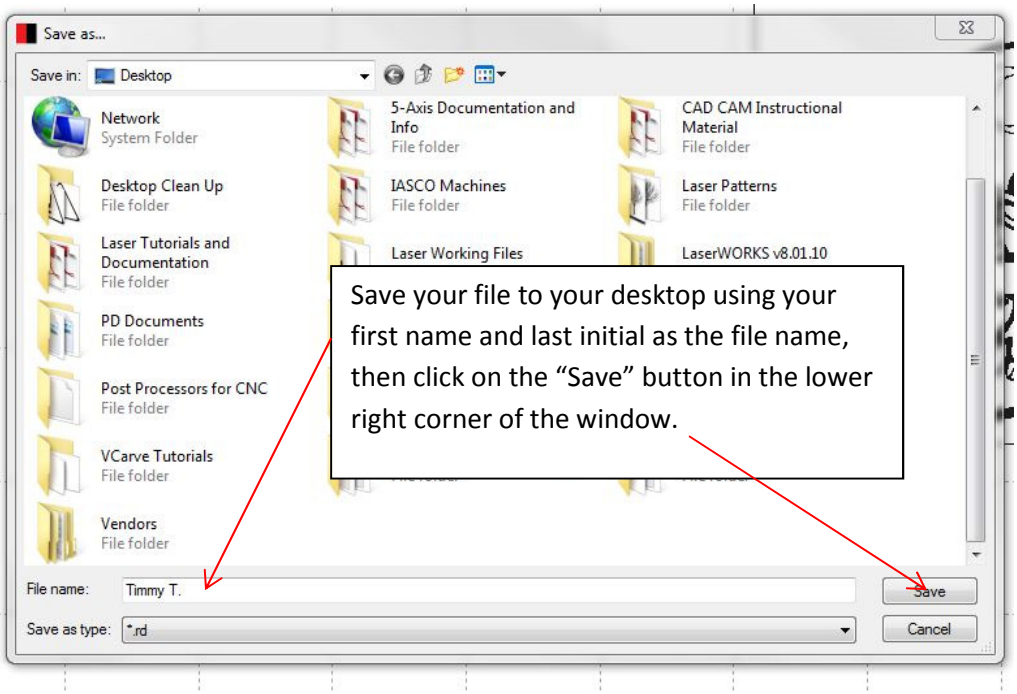
Once everything is the same as you see here, click on the “Ok” button to save your settings and close the

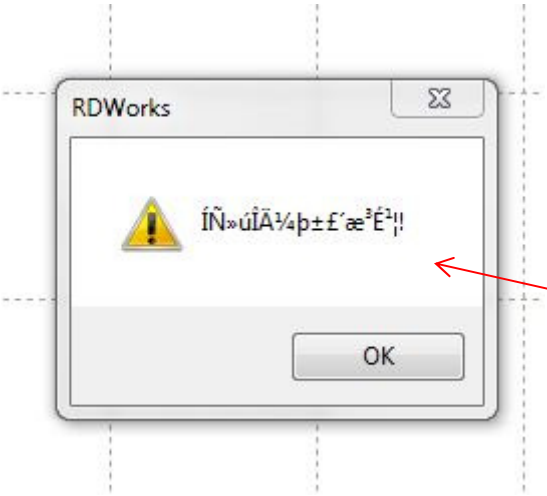



We need to save your drawing now so click on the "File" button in the upper left of your screen. Scroll down and click on the "Save As" option and save your work to your desktop. Name it with your first name and last initial.

We have saved your drawing but we also need to save your machine settings or what is called "G-code". Click on the button in the lower right of your screen that says "SaveToUFile".






If everything went right, a little window should pop up that looks like the one here. That's it! You are now ready to head to the laser and create your logo!