

Whittle CNC

Big Results

Laser AddOn

Last Updated: 11/11/2020

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Laser Safety

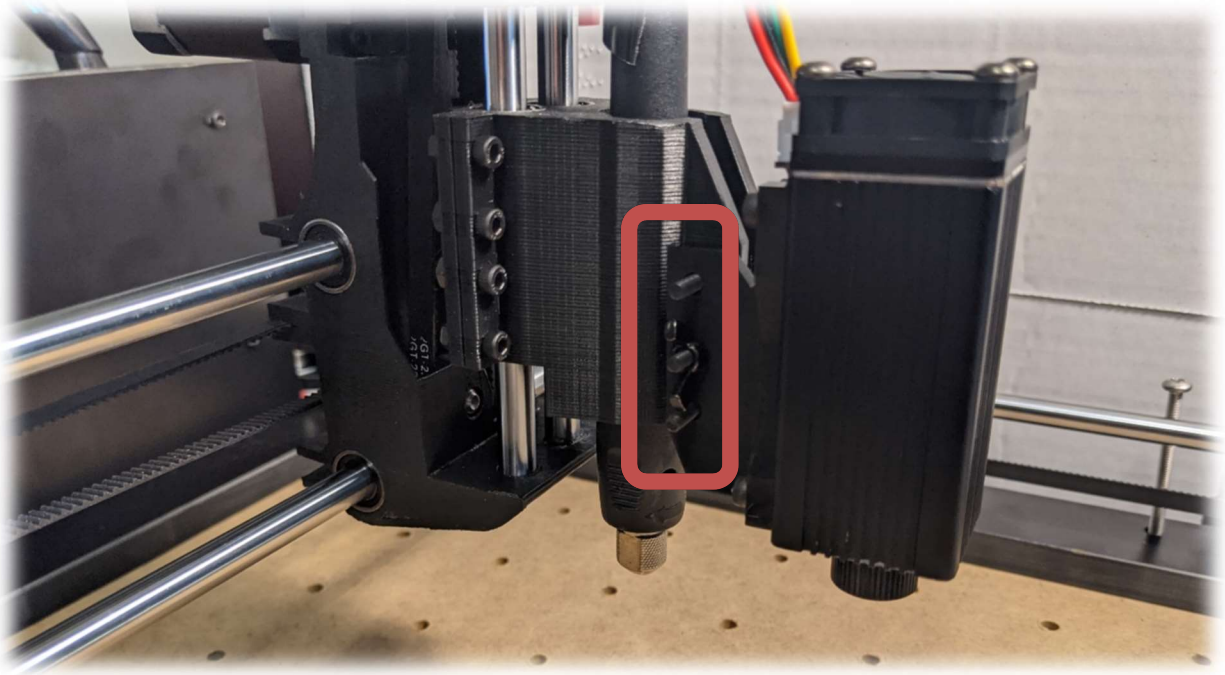
******WARNING******

Always wear the supplied safety glasses when the laser is attached, even if the machine is not engraving.

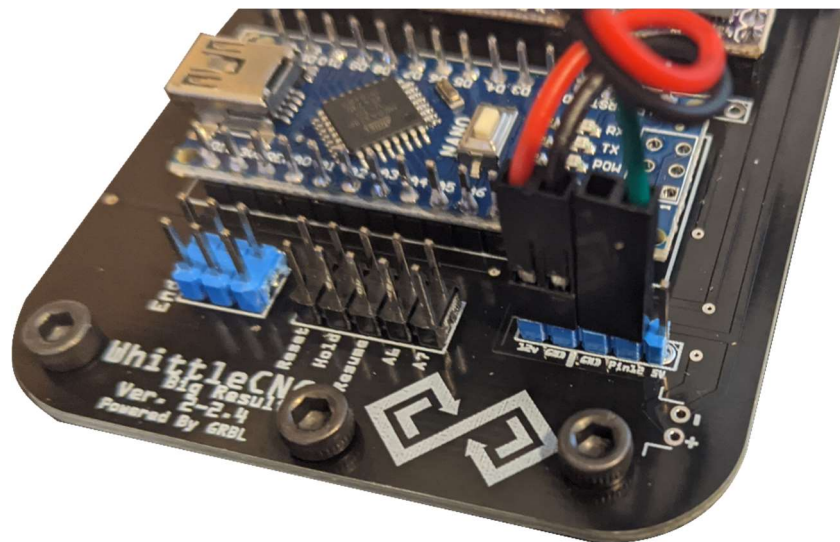
The glasses are specific to the laser provided and not all safety glasses protect against all wavelengths of lasers.

******WARNING******

Attaching the Laser



Slide the Laser onto the **3 Bolts** of the ZAxis. Attach the provided wingnut on the center bolt.



Attach the wires as shown above.

Using the Laser

We recommend getting started with LaserGRBL which can be downloaded from

<http://lasergrbl.com/download/>

First download and install LaserGRBL.

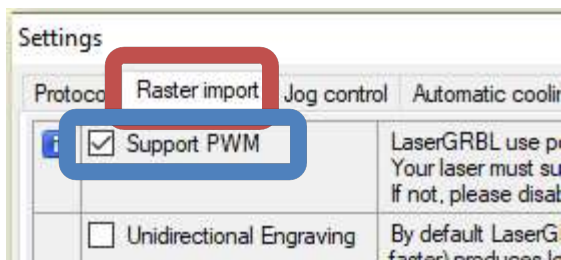
Open LaserGRBL.

Make sure you have Easel or any other programs that connect to your WhittleCNC closed.

First we need to change one setting. This will be saved so we only need to do it once.

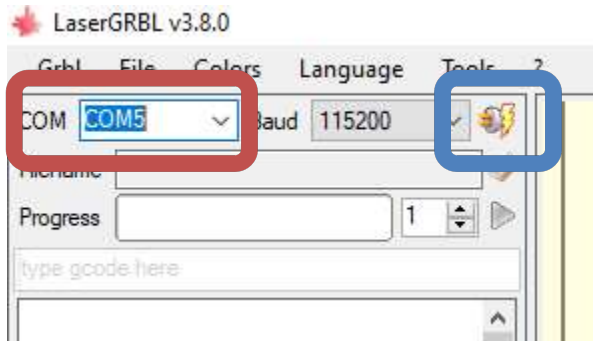
Click the menu “GRBL” then click “Settings”.

Click the “**Raster import**” tab and uncheck “**Support PWM**”. Click “Save”



Now on for the steps you will do every time.

Select the COM port of your machine. Click Connect.

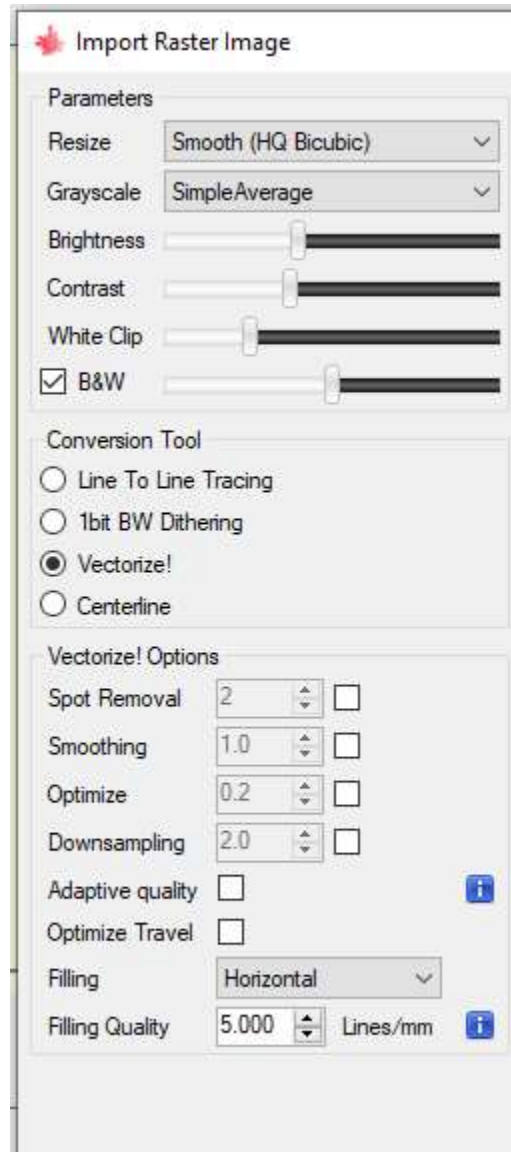


Click "File" menu and then "Open".

Select the image you want to engrave.

Select the "B&W" option.

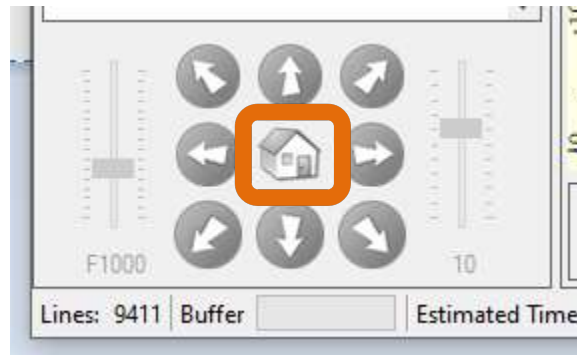
Below are the settings I have found that work best.



Play around with the settings until the preview looks how you'd like it.

On the next screen you can change the “Size W” and Size H” to match your material. Then click Create.

Click the **Home** button.



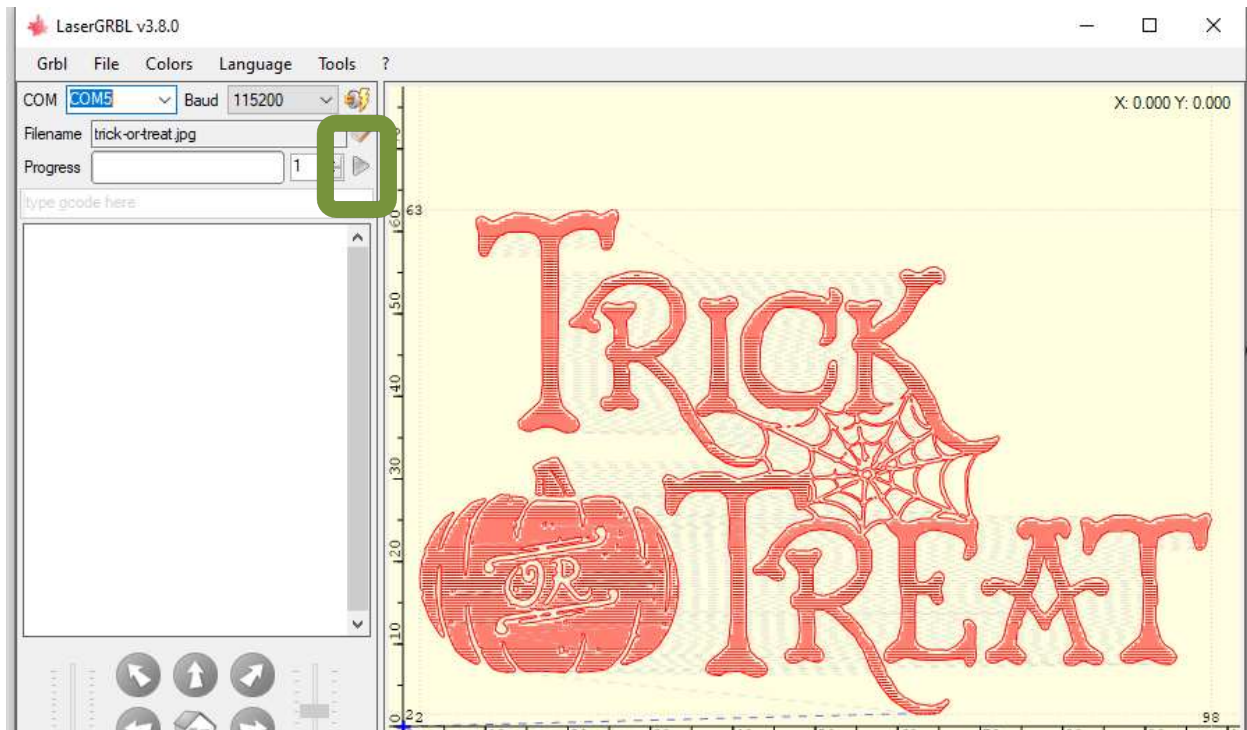
After homing has completed use the arrows at the bottom left of the screen to move the laser to the bottom left of your material.

Click the Set Origin Icon shown below. This tells the machine you want it to start from where you moved the laser to.



Make sure everyone present has on safety glasses!

Click **Play**



All Done!

