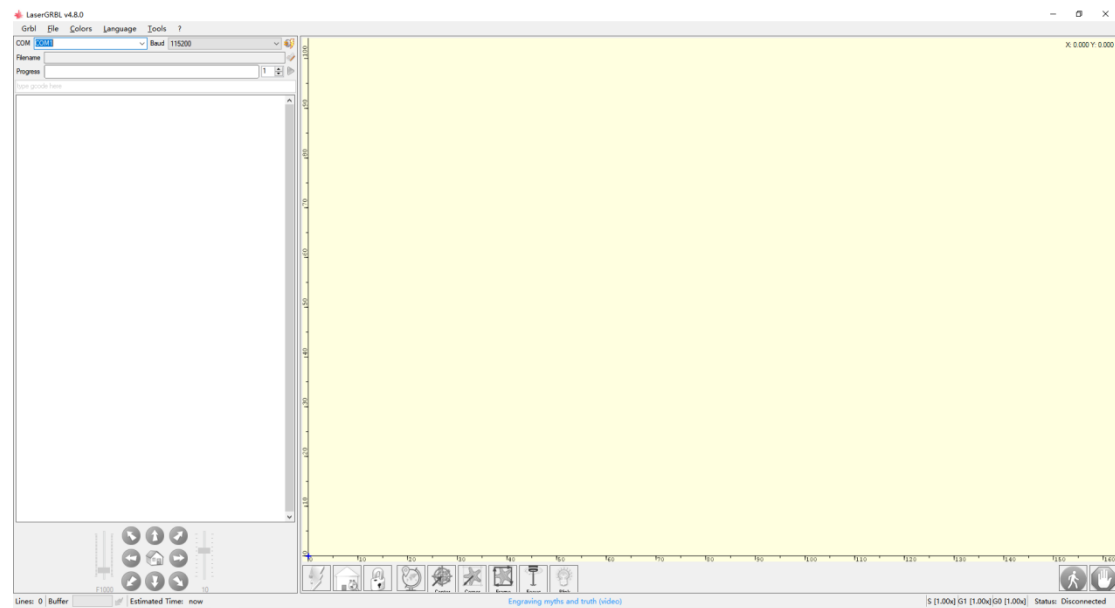


1. Visit <https://lasergrbl.com/download/> to download the appropriate version of LaserGRBL.

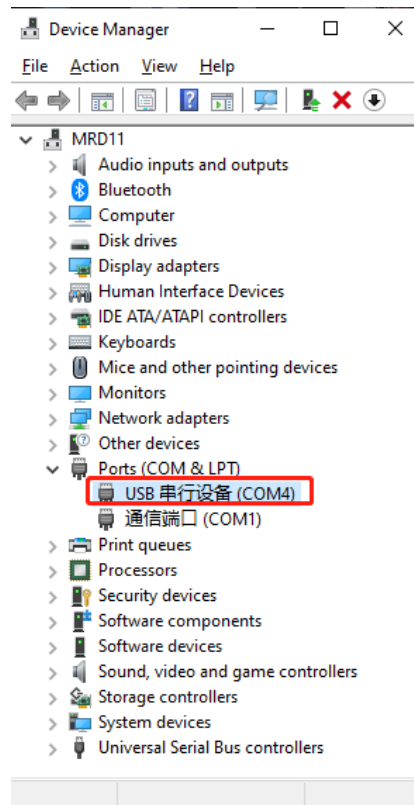
2. Open LaserGRBL after installation.



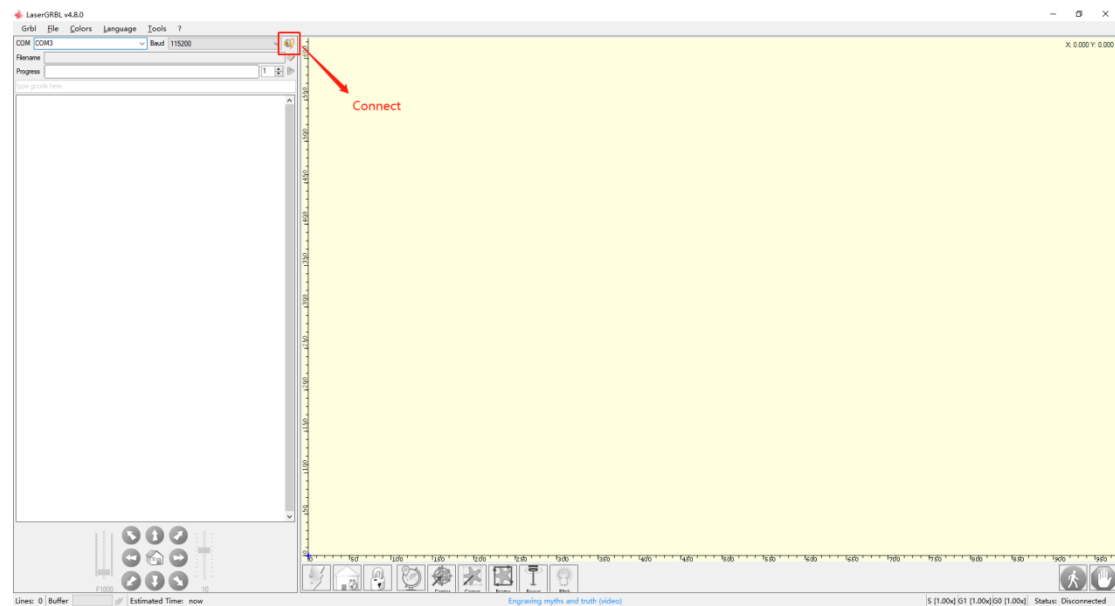
3. Power on and use Type-C data cable to connect the computer and the machine after completing initialization. Select the corresponding COM\*.

**\*How to confirm the COM port of the engraving machine?**

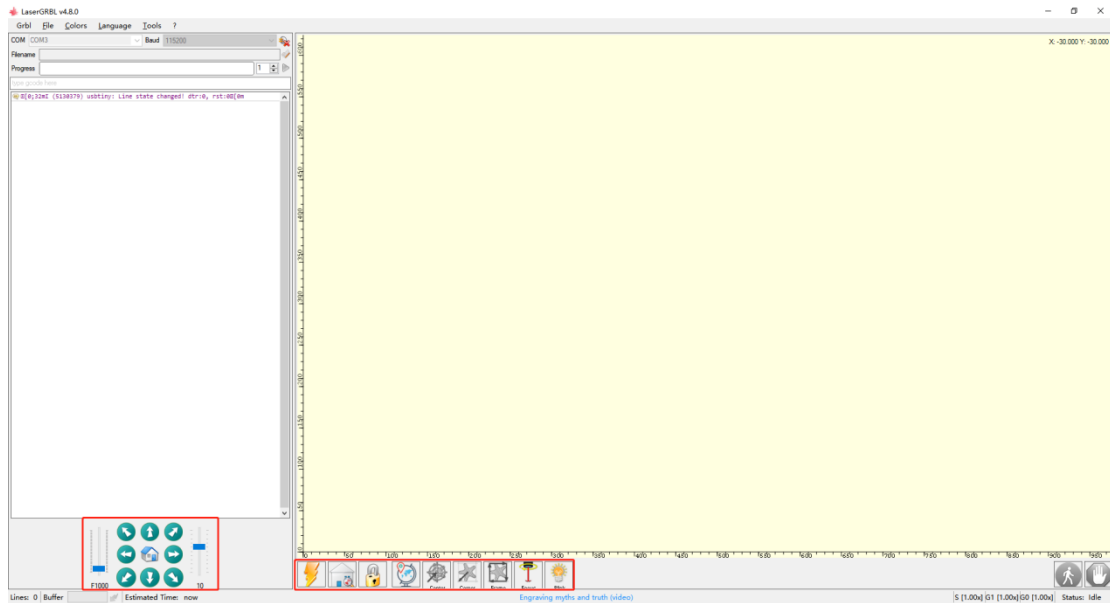
In general, the software can identify the COM port corresponding to the engraving machine automatically. If you have more than one serial device connected to the computer, you need to find it in the device manager of the Windows system.



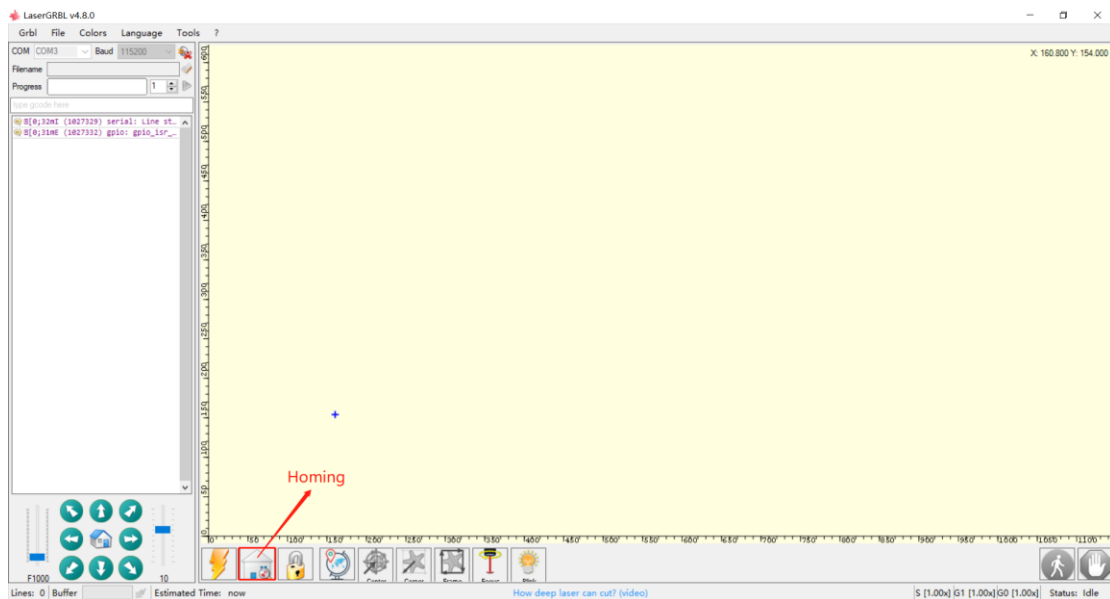
4. Set Baud to 115200. Click Connect.



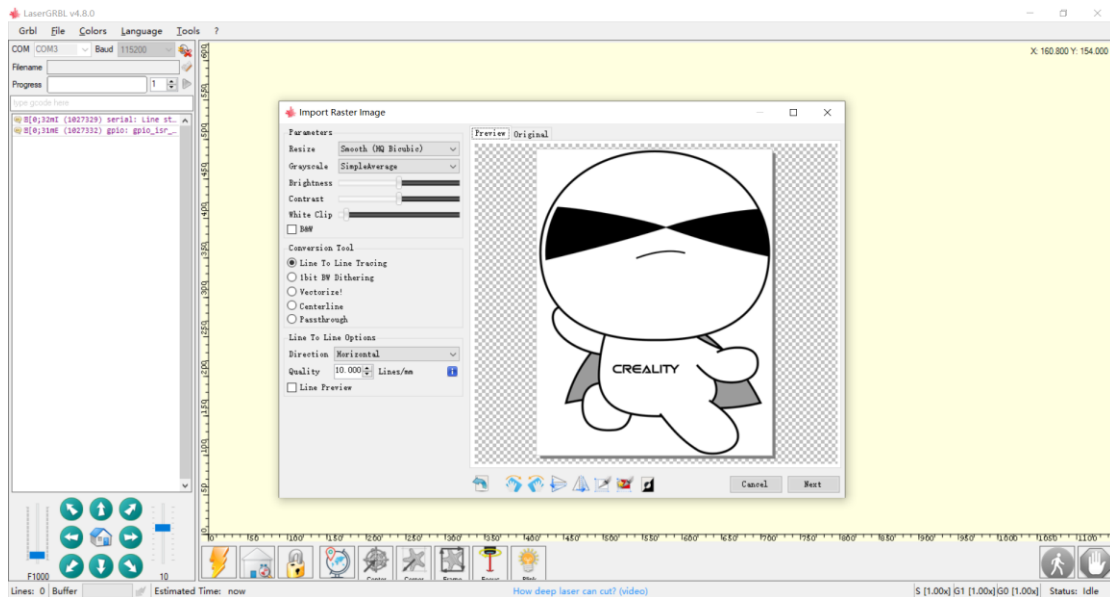
Some icons will light up after the connection is successful.



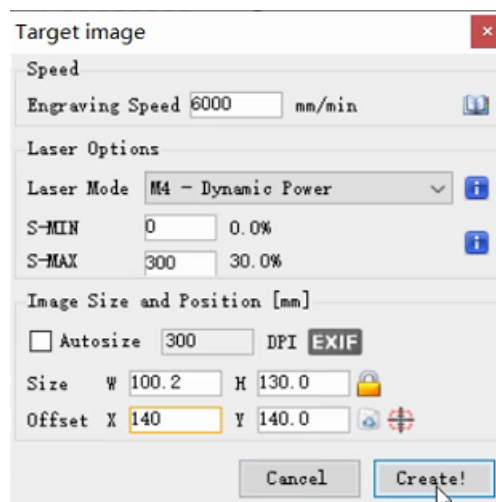
5. Click "Homing".



6. Click "File-Append File" to import picture for engraving (Import .svg for cutting generally) and set the effect. It is recommended to set Quality to 10 Lines/mm. Click "Next".

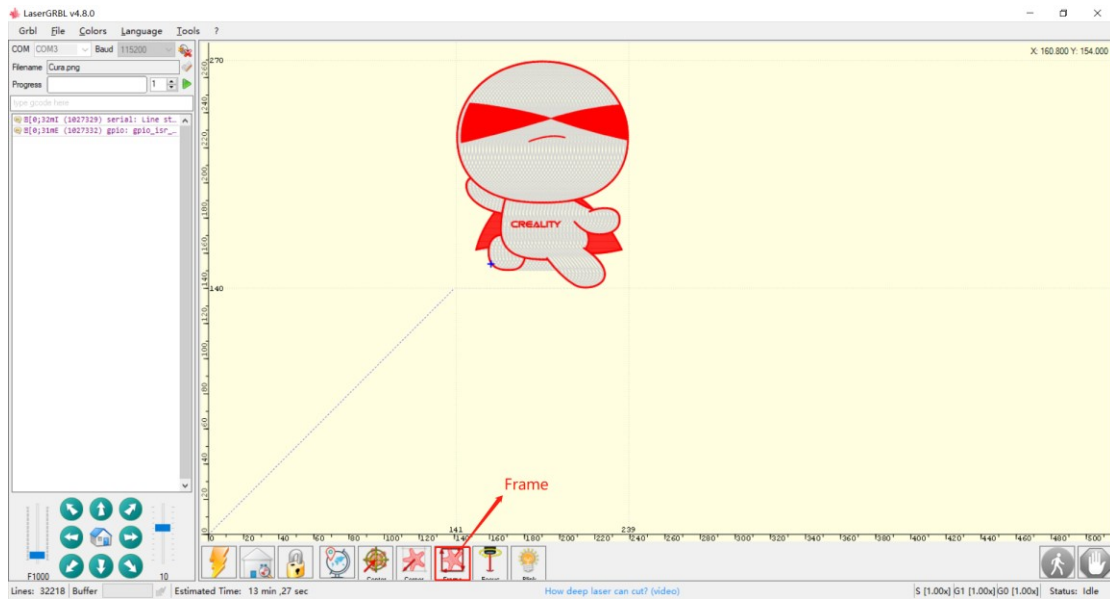


7. Set the Laser Mode to M4. Set the appropriate power %, speed, size and position of picture, etc. Click “Create! “.

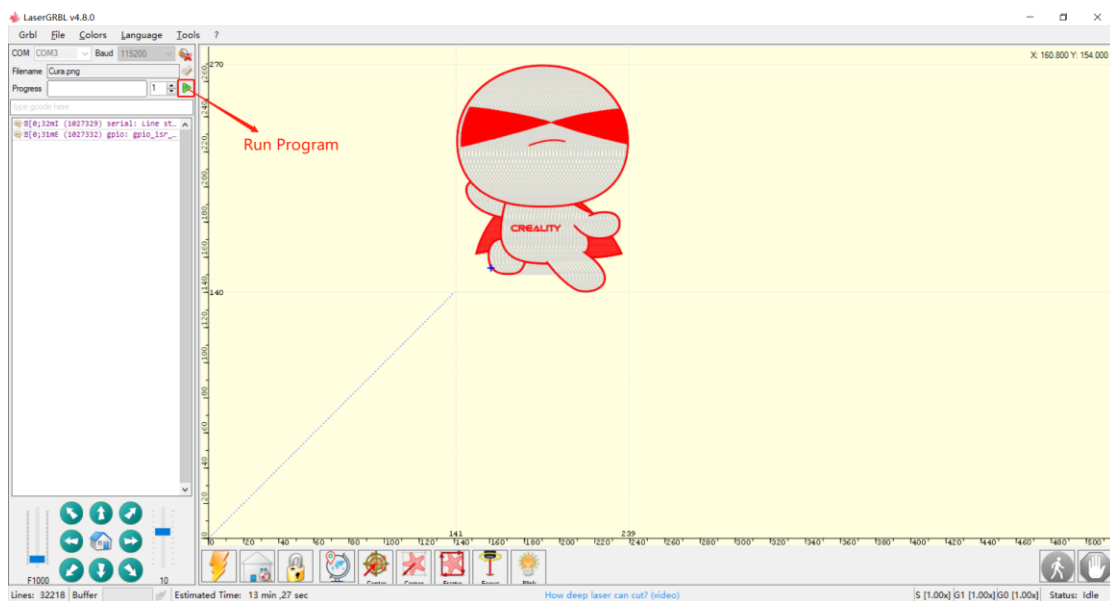


NOTES: Higher power % or slower speed make deeper effect; Lower power % or faster speed make shallower effect. Generally we just adjusted S-MAX and you should enter a ten times value of power percentage. For example: to set 30% power, you should enter 300, not 30. Please refer to the TF card for recommended parameters.

8. Click Frame to enter previewing mode. At this time, the laser module will emit weak light and move around the maximum X and Y edges of the processed image. At this time, the material can be adjusted to the appropriate position.



9. Finally click "Run Program" to start engraving.



10. Refer to the website <https://lasergrbl.com/usage/> for detailed software tutorials.

### Notes:

The gcode file generated by LaserGRBL does not contain frame-previewing information, which will make it inconvenient to locate. It is not recommended to use TF card for offline engraving when using LaserGRBL. Please refer to LightBurn User Guide for offline engraving.