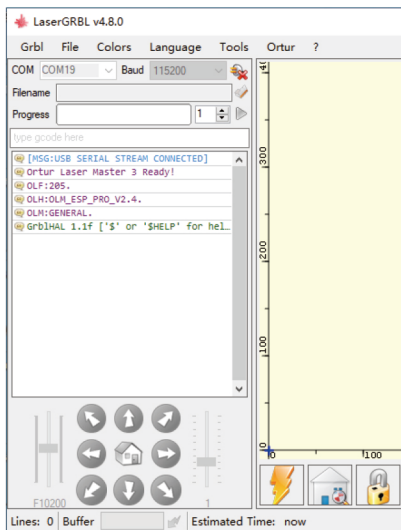
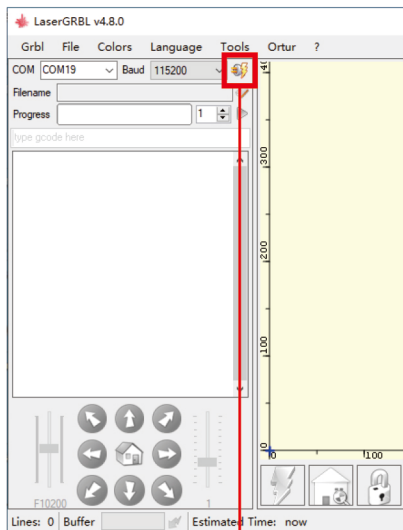


# Engraving and cutting with LaserGRBL

## 1. Connect the machine

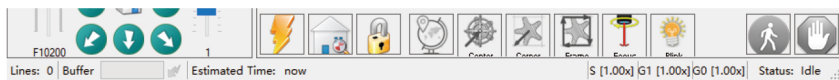


Click the button in the red box to connect the software to the machine.

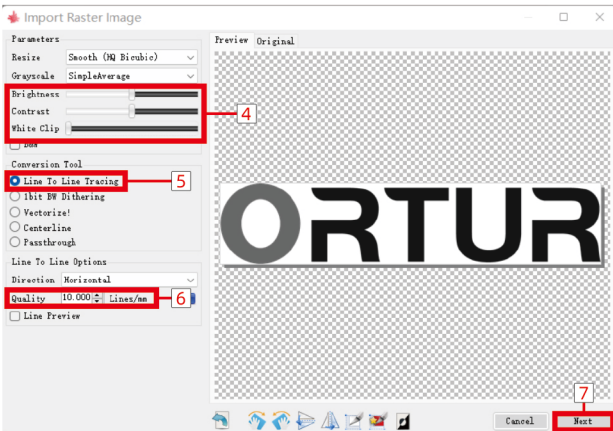
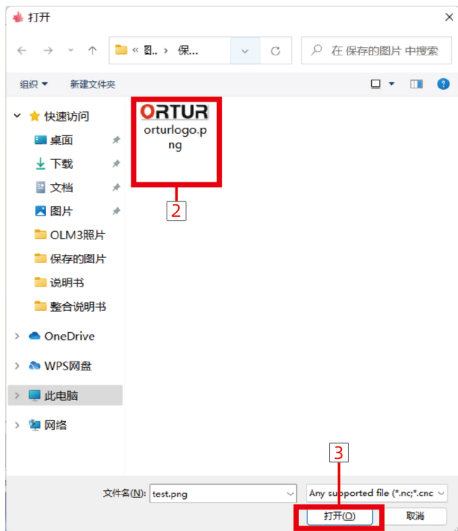
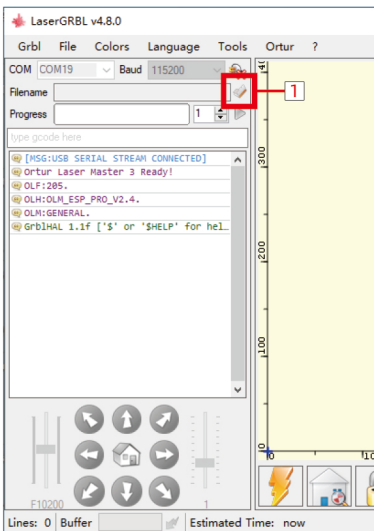
## 2. Unlock Buttons

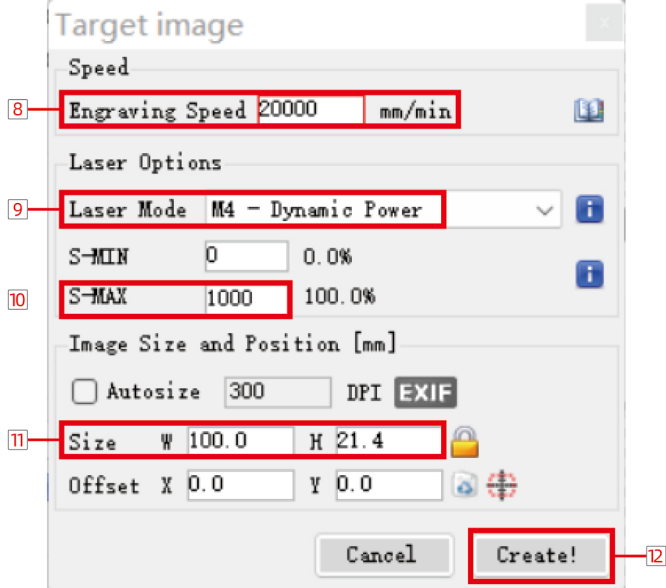


Click the button in the red box to unlock the grey buttons.



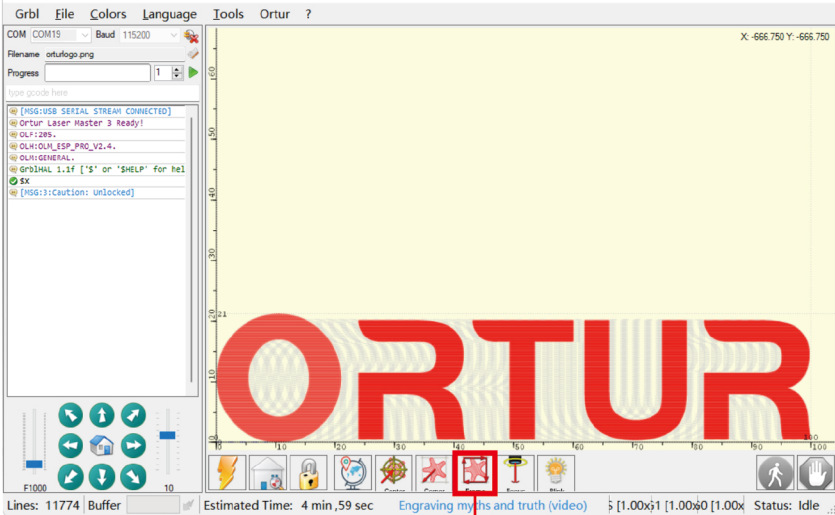
### 3. Engraving



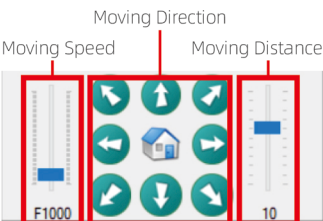


1. Click the "Import" button
2. Select the engraving image
3. Click "Open"
4. Brightness, contrast, black and white limit adjustment
5. Select "Line to Line Trace"
6. The quality is modified to 10Lines/mm
7. Click "Next"
8. The Engraving Speed is modified to 20000mm/min
9. Select "M4-Dynamic Power" for laser mode
10. S-MAX 1000
11. The size can be modified according to your needs
12. Click "Create"

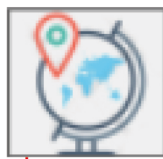
**Note:** The engraving parameters are only for learning and reference, and the actual use will be affected by factors such as materials and engraving images!



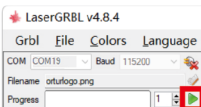
Click the button in the red box to view the engraving range, and then adjust the position according to the engraving range.



Use the moving direction buttons to adjust the engraving starting point.

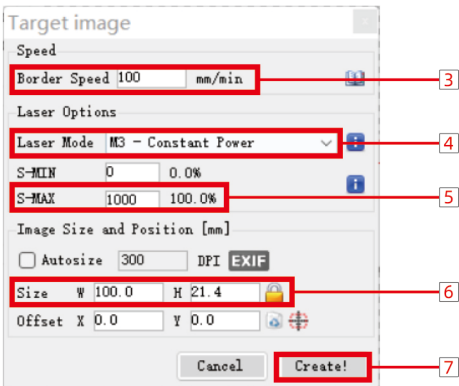
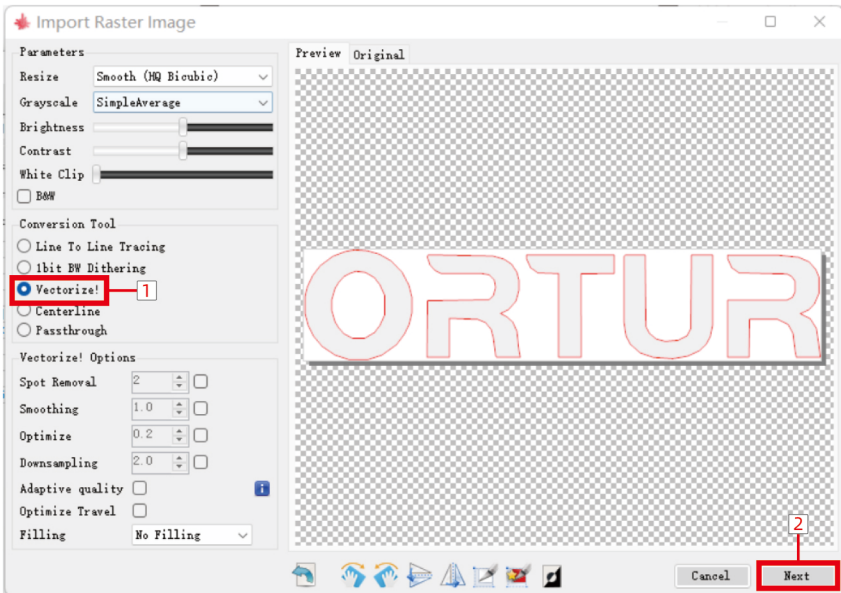


After adjusting the engraving starting point, you must click this button to record the position, otherwise the movement will be invalid!



Click the button in the red box to start engraving.

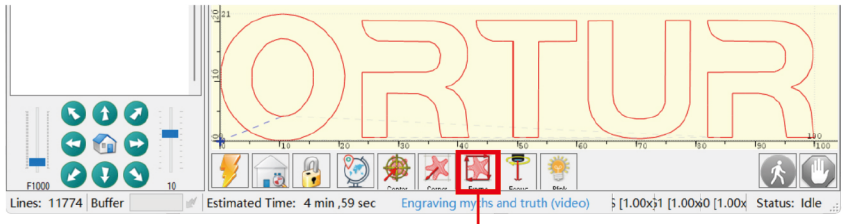
#### 4. Cutting



1. Select "Vectorize"
2. Click "Next"
3. The Border Speed is modified to 100mm/min
4. Select "M3-Constant Power" for laser mode
5. S-MAX 1000
6. The size can be modified according to your needs
7. Click "Create"

**Note 1: The cutting parameters are for learning and reference only, and the actual use will be affected by factors such as material and thickness!**

**Note 2: The same material, such as wood, will have different effects due to different tree ages and resins. In order to achieve the best results, multiple attempts are required!**



Click the button in the red box to view the engraving range, and then adjust the position according to the engraving range.

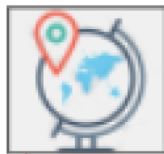
Moving Direction

Moving Speed

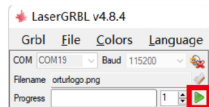
Moving Distance



Use the moving direction buttons to adjust the engraving starting point.



After adjusting the engraving starting point, you must click this button to record the position, otherwise the movement will be invalid!



Click the button in the red box to start cutting.