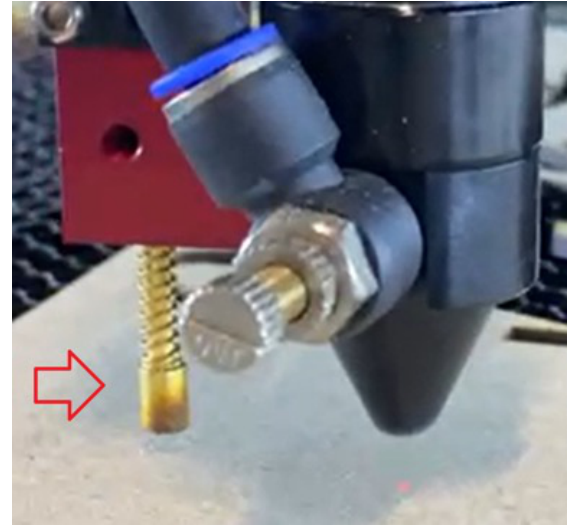


1. Turn the brass pin clockwise to move the point where the nozzle touches the material lower (please be mindful that this should be done gradually and with small turns to ensure the nozzle does not crash into the bed).

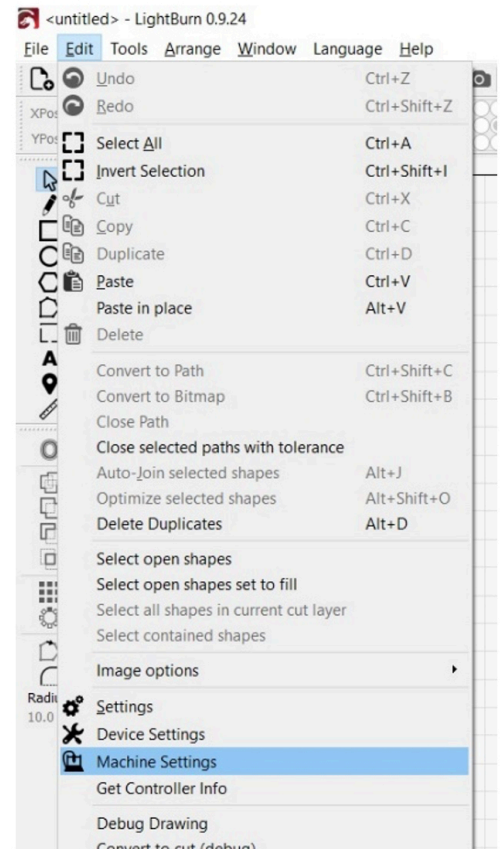
Turn the brass pin anti-clockwise to move the point where the nozzle the material higher (please be mindful that the brass pin will come loose if this is wound out too far).

2. Once this is adjusted so that the nozzle only just touches the material (the nozzle should not push into the material at all), we need to set the focus distance in the machine settings.

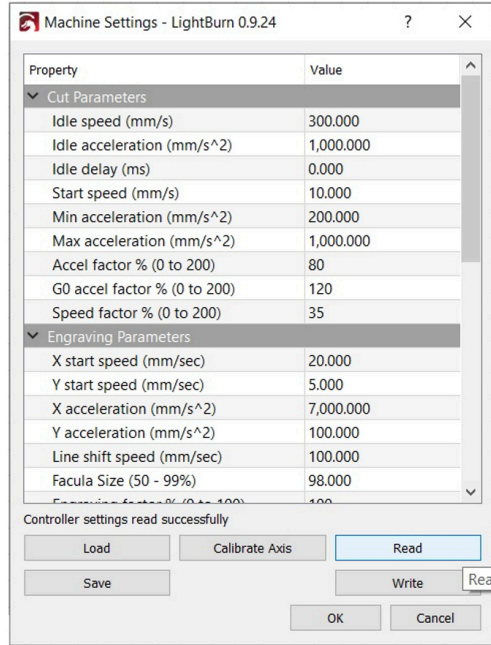


3. Steps for **updating Focus Distance in Lightburn:**

- a. Connect the laser to your laptop as normal
- b. Open Lightburn
- c. Open the Edit Menu and then select Machine Settings



D. When the Machine Settings window opens this should automatically read the settings from the laser, if this doesn't happen it can be prompted by pressing the 'Read' button.



E. Minimise the sections which are not relevant (in the above picture 'Cut parameters' and 'Engraving Parameters'). Leave just the 'Miscellaneous' section open.

F. Change the field named 'Focus Distance' to 150.00. This will increase the distance the bed moves away from the nozzle. As each machine has a different focal length there is an element of trial and error to get the figure to represent the height you require. This will need to be adjusted and then compared using the provided focal height ruler until it reaches the required distance. Each time the value is changed, the 'Write' button must be pressed to send the new setting to the laser controller.

