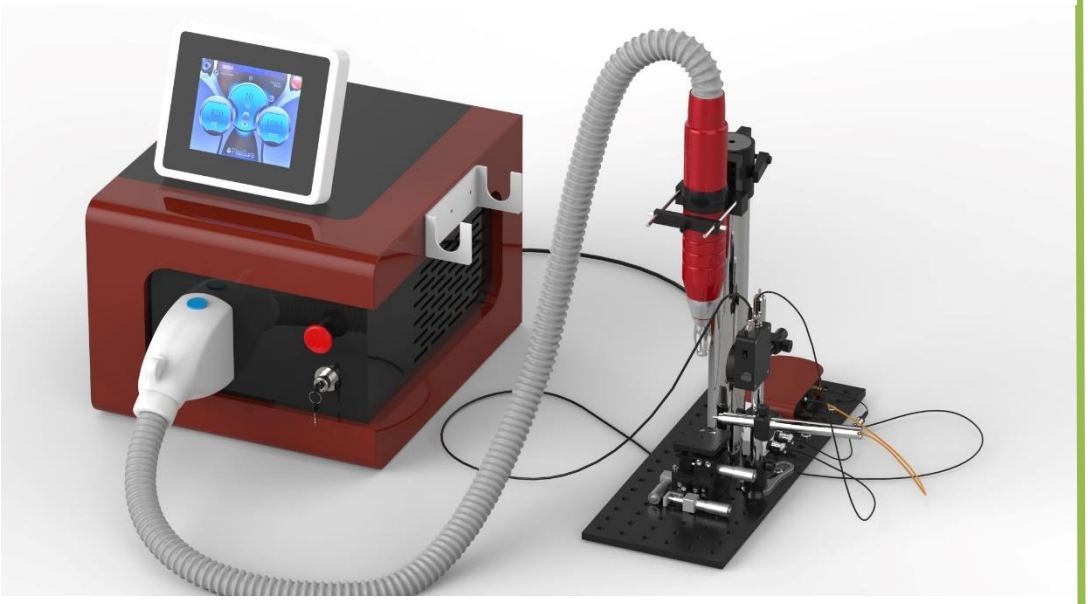
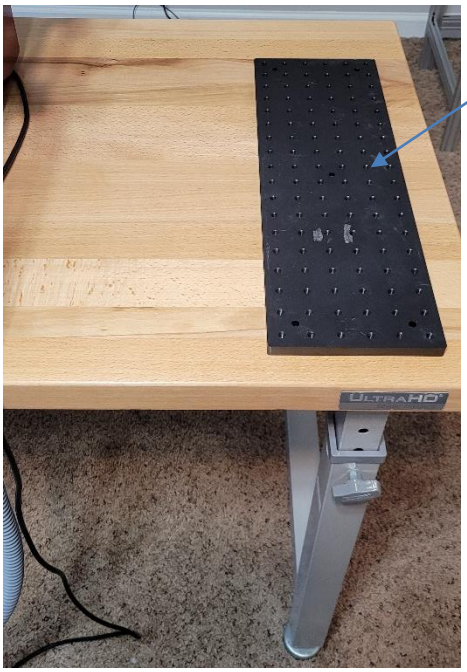


Quick Startup Guide for the LIBS kit

Steps:

* All the parts referred to in this guide are numbered with a black label for ease of reference.

1. Place Aluminum Breadboard (#12) in a suitable work surface.



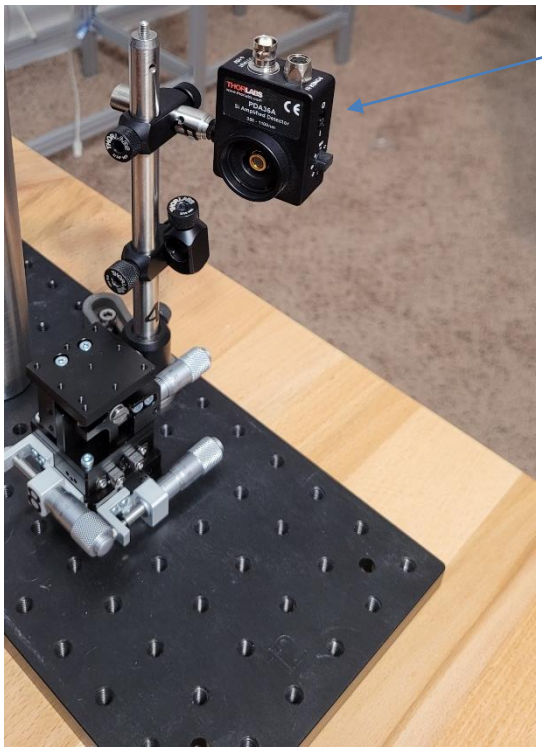
2. Mount the mounting post (#6) on the board using the 22 mm screw (#10).

3. Install the mounting clamp (#7) on the post.

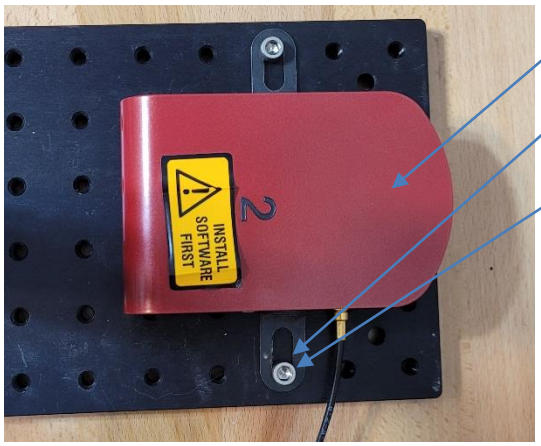
Insert the mounting clamp in the post and tighten the screw to fix it in place.

4. Fix the optical post ensemble (#4) to the board using the clamping fork (#9) and one screw (#10).

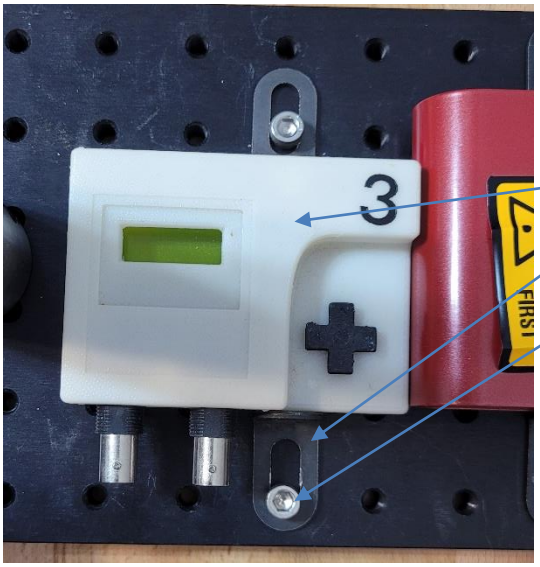
5. Mount the SI detector (#5) to the post ensemble.



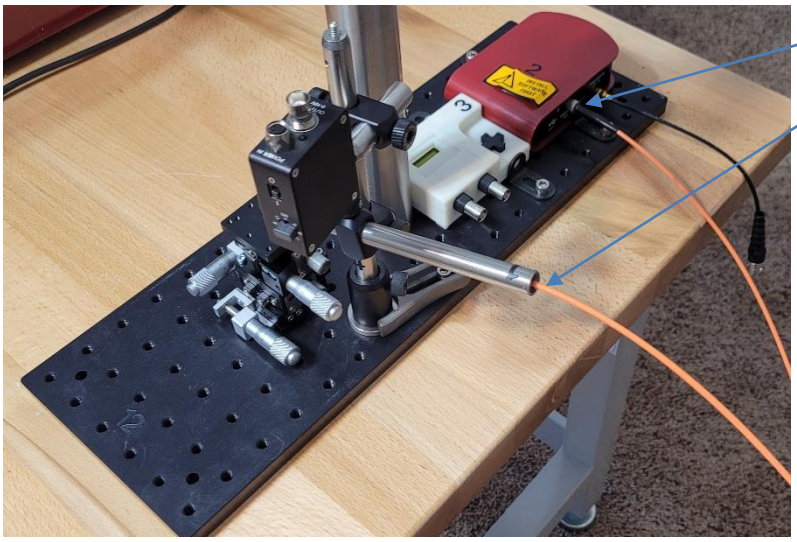
6. Fix the spectrometer (#2) to the board using two brackets (#11) and two screws (#10).



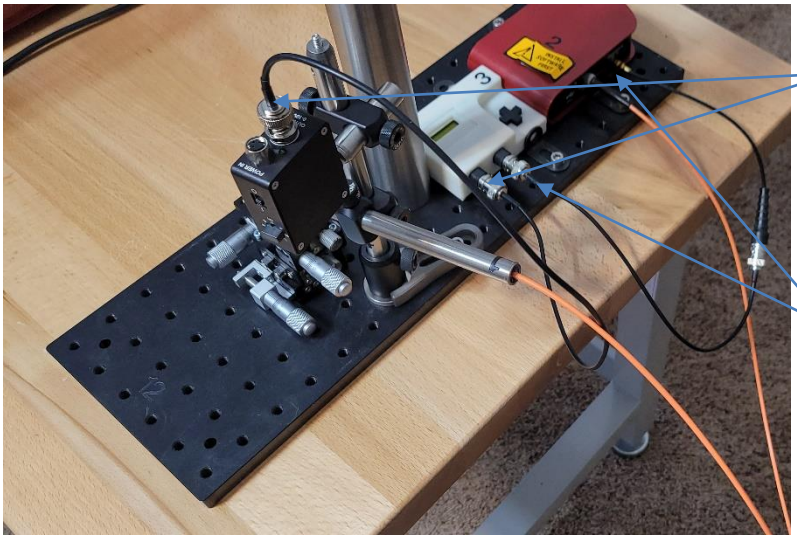
7. Fix the time-delay (#3) to the board using two brackets (#11) and two screws (#10).



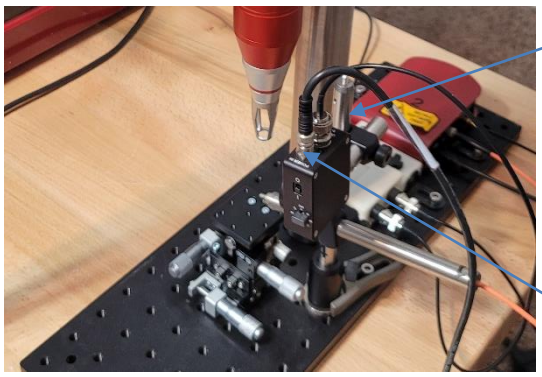
8. Mount the optical fiber (#1) to the post ensemble and plug it to the spectrometer.



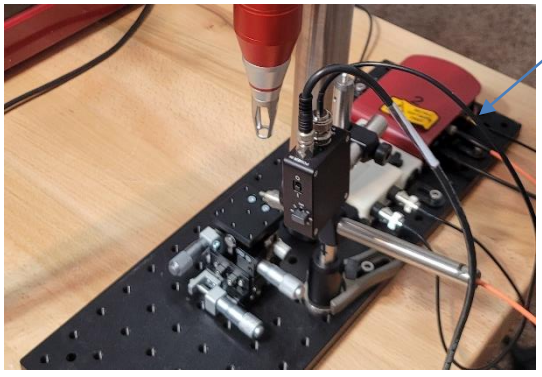
9. Connect the largest of the two cables (#12) from the SI detector output to the time-delay input. And the smallest of the two cables (#12) from the time-delay output to the spectrometer ‘’trigger in’’.



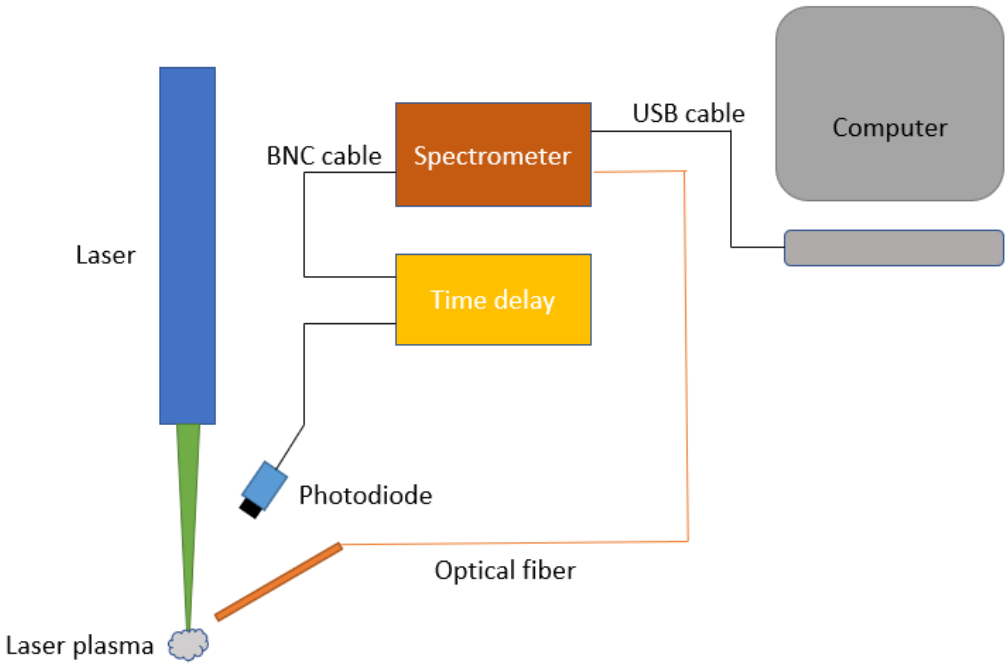
10. Connect power supply cables to the time-delay and SI detector.



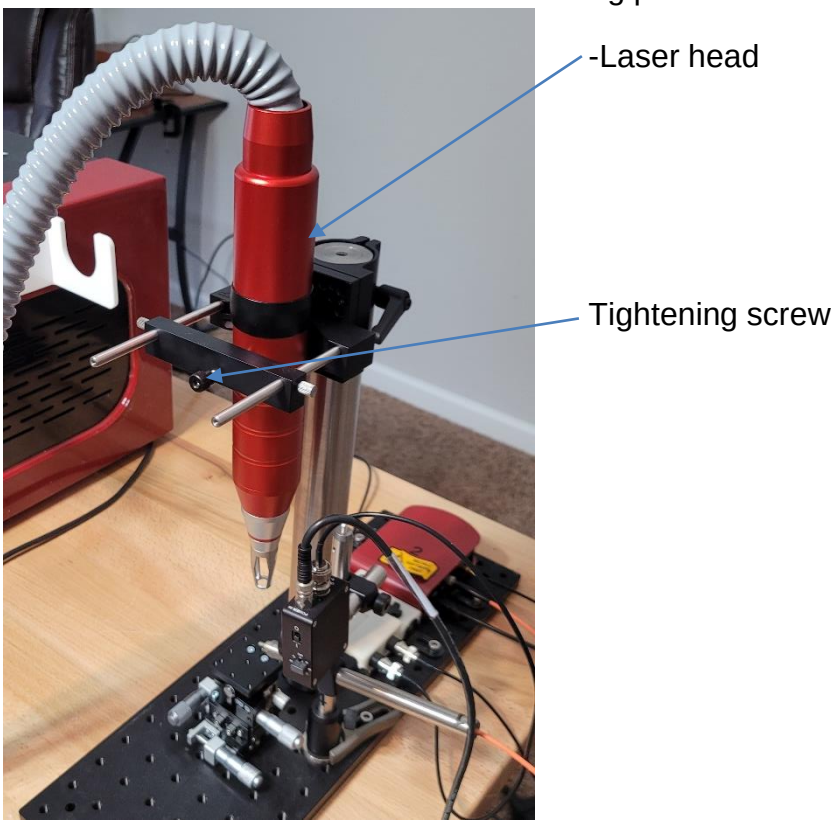
11. Connect the micro-usb cable from the spectrometer to the PC.



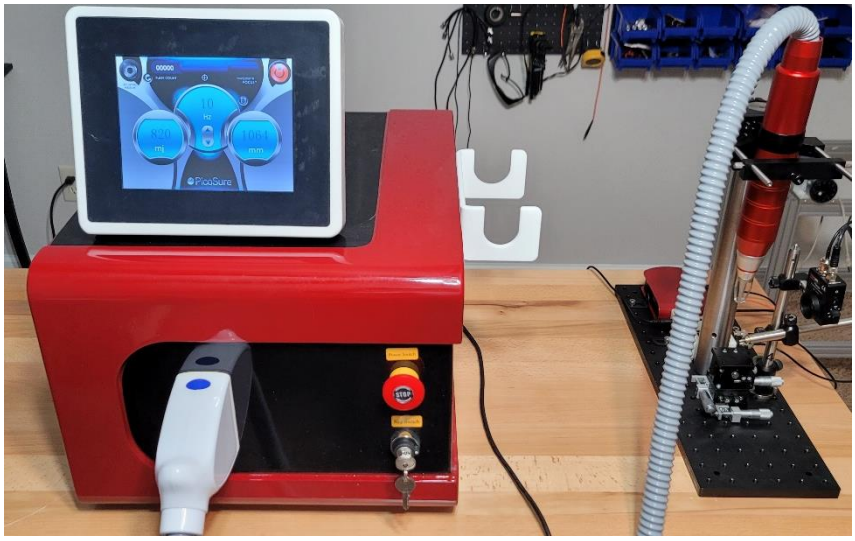
12. Please refer to this diagram of the overall cable arrangement



13. Place and fix the laser head in the mounting post.

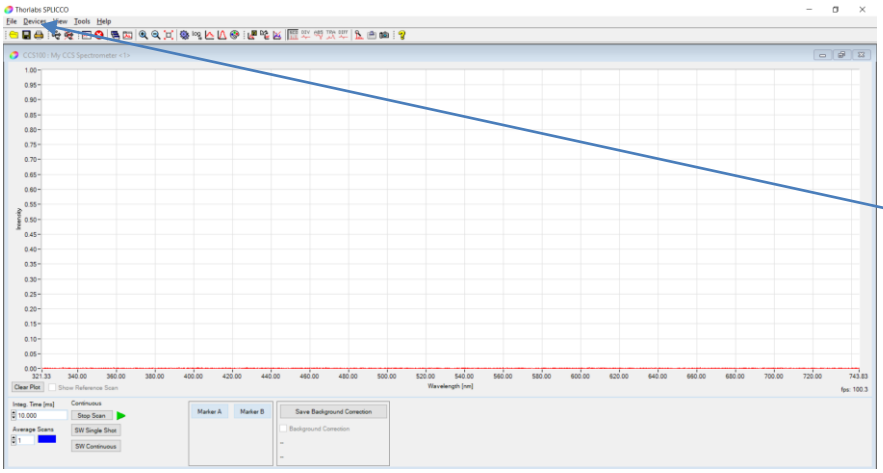


14. Turn on the Laser and PC (please refer to the laser User Manual)

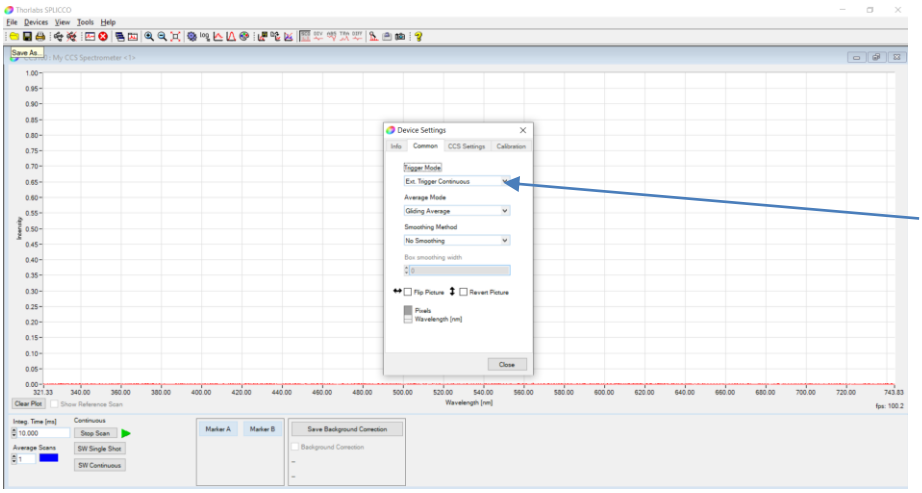


15. Open the SPLICCO Software for the Spectrometer on your PC.

16. Click devices.



17. Click on: Ext trigger Continuous.



1.Click Device settings

2.Click Common

3.Click Ext Trigger Continuous

18. Start shooting with laser and Capture the spectra.