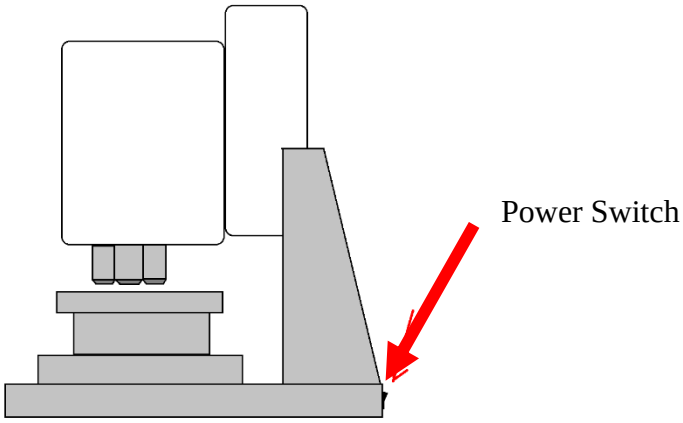
Operation manual for

FILMETRICS Profilm 3D

1. Turn on air pump.
2. Turn on power of Profilm 3D from the back side.

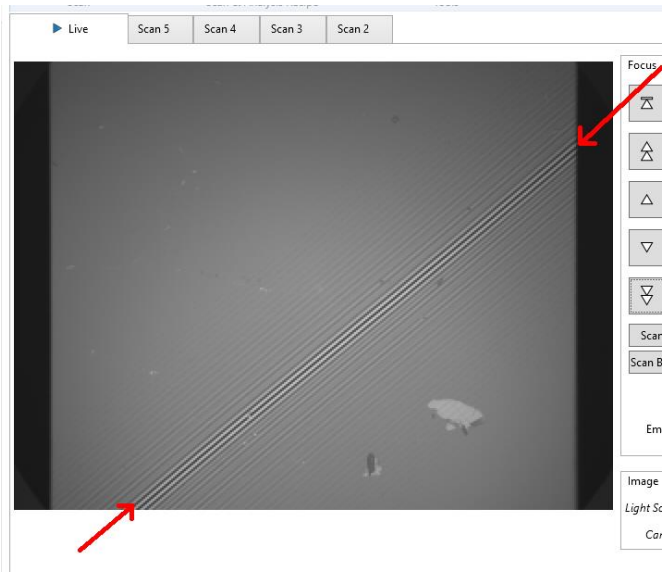


3. Open software “Profilm”.

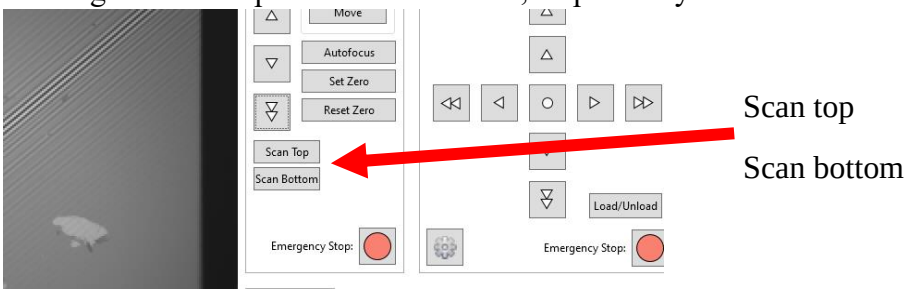
4. Place sample over the center of the stage.

5. Adjust focus using adjustment tool in the “Focus” tab. Make sure your sample does not touch the objective lens.

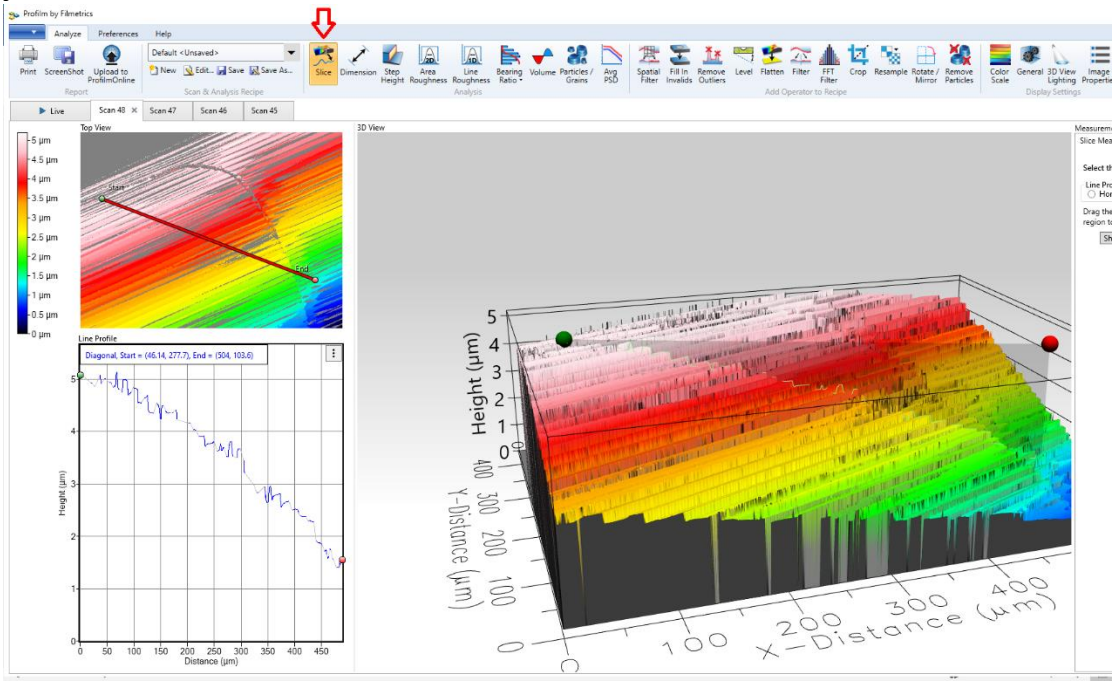
6. A fringe pattern will appear as shown in the following figure.

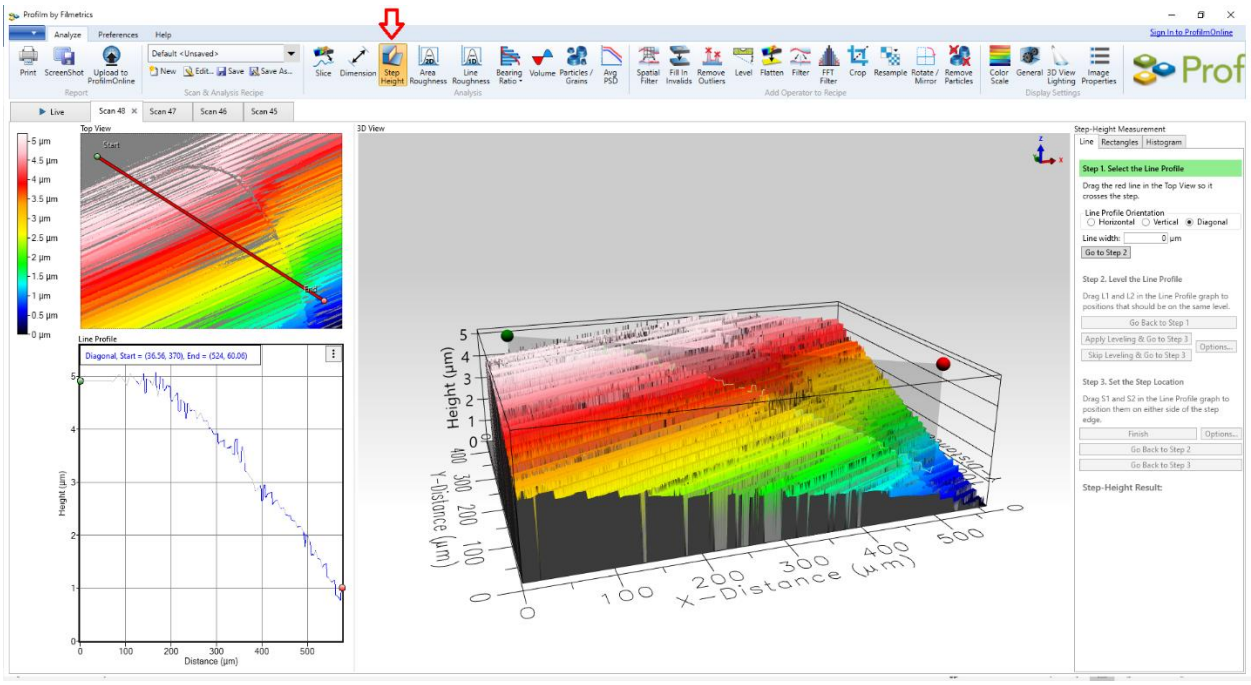


7. Move the fringe from top to bottom by adjusting the focus, record the z-position by clicking on ‘scan top’ and ‘scan bottom’, respectively.



8. Start measurement by click ‘start’. You should receive a 3D scan of the feature of interest.
9. You can use the “Slice” or “Step Height” function to get a profile of a cross section of your feature of interest.





10. Save file and screenshots of your data.
11. Once you are done, exit the Profilm program.
12. Turn off the power of Profilm 3D. Turn off air pump.
13. Fill your name, date, time in and time out on logbook.

Learning materials:

[1] http://hyperphysics.phy-astr.gsu.edu/hbase/phyopt/michel.html#:~:text=The%20Michelson%20interferometer%20produces%20interference,together%2C%20an%20interference%20pattern%20results.

[2] https://www.kla.com/wp-content/uploads/KLA_AppNote_Optical_Profiler_Objectives.pdf