

Operating Instructions Ellipsometer

- Press the Green Power button on the lamp controller
- Wait 10s and press Green Ignition button just above the Power button
- Log in to the software using your username/password
- Turn on Vacuum Pump
- Load your sample in the centre of the stage
- Turn on Vacuum Switch
- Select appropriate Recipe – most of the time SiO₂ on Si will work for all transparent films like oxides and photoresist
- Press Measure button
- It will ask you to tilt stage (x and Y direction) to bring red cross to the centre of two grey bars
- Press Enter
- It will start measurement
- Once done, go to Analysis tab and check the thickness
- You can change the model if it is a different set of film/substrate
- n & k can be plotted by right-clicking the material and selecting the first option – Graph layer optical constants
- n & k graph can be exported to excel by right-clicking and selecting export option
- Log off once done
- Switch off the Green Power button on the lamp controller