

# **PSG INSTITUTE OF ADVANCED STUDIES**

## **Rules and Charges for Stylus Surface Profilometer (KLA Tencor D600)**

1. Precision step height measurement from less than 10 angstroms to 1 mm.
2. Maximum vertical step height (in both directions) is 1.2 mm (1200 microns).
3. Up to 400k data points per profile.
4. Sample size up to 200mm in diameter, and 30 mm maximum height.
5. 2D and 3D profiling.
6. Stress measurements for films on wafers.
7. Nitrile glove must be used for handling all samples on and off the stage to prevent surface contamination.
8. You must ensure that there are no features higher than 1 mm above the surface.
9. **The stylus tip can be damaged if operated improperly. Follow all procedures carefully to prevent damage.**
10. **Preferable to avoid soft polymers.**

<b><u>Charges</u></b>	
Internal (Faculty/Research Scholars/Project Students)	500 + GST /Slot
External (Academia/R&D)	1000 + GST /Slot
External (Industry )	1500 + GST /Slot
Maximum no of sample/slot	1 slot (Max: 4 samples)
Prior approval required	Yes
Payment	DD

### **Faculty In-charge**

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