



- Make:** Thermo Scientific
- Model:** MULTILAB 2000 Base system with X-Ray, Auger and ISS attachments.
- Sources:**
- Twin Anode Mg/Al (300/400W) X-Ray Source.
 - EX05 Ion gun for etching and ISS studies.
 - Electron Gun with spot size < 50 μ m dia.
- Detector:**
- 110 mm radius hemispherical analyzer with 7 channeltrons.
 - 4 variable analyzer slits viz 5mm, 2 mm, 1 mm and ϕ 4mm.
 - Operates in CAE (Constant Analyser Energy) and CRR (Constant Retard Ratio) modes.
- Selectable area of Analysis:** 100 μ m, 200 μ m, 350 μ m, 600 μ m
- Salient Features:**
- Sample heating and cooling stages in preparation and Analysis Chamber.
 - Sample manipulator with high precision four axes movement.
 - CCD camera and zoom microscope for optical viewing of the samples.
 - 3 gas inlets to the preparation and Analysis chamber for adsorption studies.
 - Powerful Data Acquisition and Processing Avantage Software.
- Sample Requirements:**
- Solid Samples in the form of pellets of 6mm or 8mm diameter.
 - Thin films of area 10 mm²
 - Thickness 2 to 3 mm.