**FSEM WITH EDS**

**DESCRIPTION:** To determine surface morphology & elemental analysis

**APPLICATION:** Textiles, Composites & other materials

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**WIDE ANGLE XRAY DIFFRACTION**

**DESCRIPTION:** To determine phase identification of a crystalline material

**APPLICATION:** All crystalline materials

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**SIMULTANEOUS DSC & TGA**

**DESCRIPTION:** To characterize the thermo physical properties of a polymer

**APPLICATION:** Organic and In-organic materials

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**UV SPECTROSCOPY**

**DESCRIPTION:** For determination of different analytes, such as transition metal ions, highly conjugated organic compounds and biological macro-molecules.

**APPLICATION:** All appropriate materials

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**FTIR**

**DESCRIPTION:** To obtain an infra spectrum of absorption, emission, photo conductivity of a solid, liquid or gas. (Chemical group identification)

**APPLICATION:** All polymeric materials

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**UV - WEATHEROMETER**

**DESCRIPTION:** To study the accelerated life testing of materials under UV exposure

**APPLICATION:** Appropriate materials

**STANDARDS:** AATCC TM16, AATCC TM169, ASTM CI442, ASTM DS424 and many more.

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**UV TRANSMITTANCE ANALYSER**

**DESCRIPTION:** To determine UV resistance of a material

**APPLICATION:** Textiles and other materials


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**HYDRO HEAD TESTER**

**DESCRIPTION:** To determine water flow resistance of a material

**APPLICATION:** Plastics, Textiles and other materials

**STANDARDS:** ATCC 127, ASTM F 1670, BS 2822, DIN 53826, EN 1734, EN 20811, FZ/T 01004 & others