

Testing Equipments:

- **FT-IR** Infrared spectrometer with FT-IR Microscope
- Thermo-gravimetric Analyzer **TGA**
- **Interface** between TGA and FT-IR
- Differential Scanning Calorimeter **DSC**
- **Stereo-Microscope**
- **Electronic analytical balance** with density measure device
- **Laboratory precision balance**
- **Laboratory thermostatic oven** (+50°C up to +300°C)
- Climatic chamber **1500lt**(+10°C+90°C)
- Climatic chamber **500 It** (-40°C+180°C)
- **Xenotest** cabinet (10 specimen holders)
- **Laboratory heated platens press** for sheet samples molding
- **Rockwell Hardness** tester
- **Shore A-D** hardness durometer
- Mono axial impact pendulum (**Charpy/Izod test**)
- **Manual Charpy-Izod** notching cutter
- **Manual die cutter** for rubber/plastic samples preparation
- Automatic computerized **milling machine** for sample preparation
- **Universal testing machine** with load frame capacity of 10 KN (tensile, compression and testing)
- Apparatus to determine the **resistance of combustion**
- Automatic **Ozone test** cabinet for rubber and elastomers ageing test
- **Rohs** analysis instrument (X rays fluorescence)
- **Gloss-meter** instrument (measurement angles 20°-60°)
- Polymer humidity content **tester Karl Fischer**
- **NCO and OH** content analyser
- **HDT-VICAT** apparatus
- Melt flow Index and Melt Volume Rate Apparatus (**MFI and MVR**)
- **Laboratory muffle furnace** for temperature up to 1100°C
- **Colorimetric spectrophotometer** CIE L*a*B*
- **Digital Immersion Thermostat**
- **Thermo-hygrometer**
- **Distiller for demineralized water**
- **Ph tester**
- **Manual Cross-cuts apparatus** for painting adhesion tests
- **Multifunctional plastic laser** welding equipment
- **Linear abraser instrument** (Taber)