

Detail of Lab Equipment Available in the Department

Name of Laboratory	<u>Detail of Lab Equipment</u>
Precision Machining Lab	CNC Turning Centre , DRO Lathe , Vertical Copy Milling Machine , CNC EDM wire cut , CNC Machining Centre (XH714) , CNC Machining Centre (MCV-600) , CNC Jig Grinder , Cylindrical Boring Machine
Non-Conventional Machining Lab	Plasma Arc Cutting System , Vacuum Metalizing Plant , EDM Die Sinker , Water Jet, EDM Wire Cut
Rapid Prototyping Lab	Desktop Rapid Prototyping(FDM) System , Rapid Prototyping System (Z-510) , Desktop 3D Scanner System, Desktop FDM System Einstart
Measurement and Calibration Lab	Rotor Balancing Machine , Co-ordinate Measuring Machine CE 450 DV Manual , Co-ordinate Measuring Machine TESA Microhite 3D Manual , Co-ordinate Measuring Machine (CNC) , Universal Profile Projector , Tool Maker's Microscope , Rockwell Hardness Tester , Vibration Analyzer , Surface Texture Measuring machine ,
Manufacturing Processes Lab/ Welding Lab	Spot Welding Machine , TIG Welding Plant (HITACHI) , MIG Welding Plant , Oxyacetylene Welding Unit , Electric Arc Welding Unit , Sheet Metal cutter , Electric Furnace Machine
Machine Tools & production Tooling Lab	Shaper , Vertical Milling Machine , Horizontal Milling Machine , Capstan lathe , Universal lathe , Cylindrical Grinder , Conventional Surface Grinder , NC Surface Grinder , Tool Cutter Grinder , Manual Hydraulic Press , Drilling Machine , Electric Furnace , Hacksaw Machine
Metrology and Quality Assurance Lab	Range of measuring instruments used for metrological needs of industry such as Dial Indicators (, Micrometers , Vernier Calipers and depth gauges , Measuring Probes and different types of gauges, Surface Plates and V-Blocks, Spirit Level, Spring Balance, Laser Leveler, Laser Distance Meter, Vernier Height Gauge , Analytical Balance , Thickness Gauge ,Tension-Meter
Work Study /Ergonomics Lab	Sound Level Meter , Light Meter/Lux Meter , Hydraulic Hand Dynamometer , Thermo-Anemometer , Hygrometer , Digital Thermometer , Digital Stroboscope , Treadmill , Weight Machine with Height Scale , Stethoscope , Pulse Oxy-Meter , Ergonomics Workstations , Mercury Manometer , Human Body Skeleton
Computer Systems	Computers Equipped with HP Elite Desk 800 G1 TWR, Intel Core i7, 3.6 GHz Processor,1 TB Hard drive, SATA 6G,8GB RAM, DDR3