

Mechanical Engineering Lab



Brinell Hardness Tester

The machine is designed with a hydraulic power pack and control circuit for effortless loading unloading operation. A dial gauge in from measures depth of ball penetration. This facilitates production testing within tolerance limits by comparison met..



Fatigue Testing Machine

Specifications: Light weight, compact size, simple design. Table model. Simple lever system for changing load. Accurately calibrated as per ISO75. 10 Digit electronic counter instead of mechanical counter can be supplied at additional price and the m..



Impact Testing Machine

The impact energy absorbed by the specimen during repute in measured as the difference between the height of drop before repute and the height of rise after rupture of the test specimen and is read on the dial scale. Technical Specifications: Charpy ..



Rockwell Hardness Tester

Technical Specifications: Model I AMT, 5A-5B AMT 5C AMT 5D AMT 5E AMT 5F Max. load (kgf) 150 187.5 250 45 150 Load range (kgf) 60, 100, 150 60, 100, 150, 187.5 60, 100, 150, 187, 5, 250 15, 30, 45 15, 30, 45, 60, 100, 150 Initial load range (kgf) 10 10 10-3.10 Max. test height..



Tensile Testing Machine

ASI Tensile Testers are electrically operated machines for testing tensile strength and elongation of materials like plywood, wires, cables, conductors, ferrous and non-ferrous materials. ASI Brand Tensile Testers are manufactured in various capacities..



Torsion Testing Machine

Specifications: Unique 'TALON-CLAW' Grips for round and flat specimens. Torsional speed of 0.1/0.2 RPM. Torque compensated motors. maintenance free gear box. Auto range selection with range selector wheel (Optional). 3 or 4 Torque ranges for h..



Universal Spring Testing Machine

The Machine is designed to conduct tension test and compression test on spring specimen and calculate the 'K' factor. The compression plates are hardened ground and polished with guides provide on the bottom platen to eliminate slippage of spr..



Universal Testing Machine (Mechanical)

Salient Features: Loading accuracy as high + 1%.
Speeds: Straining at variable speeds to suit wide range of materials. Facilities for tests: Motor-driven threaded columns for quick and convenient adjustment of lower cross head to facilitate rapid fixi..



UTM Computerized Version

Application System: Peak load along with on line load. Maximum elongation with online elongation. Ultimate tensile strength. Graphical display of load vs. time. Graphical display of elongation vs. time. Graphic display of load vs. elongation. Graphic..



UTM Microprocessor Based Version

Application System: This is state of the art micro processor based signal processor which operates on digital o/p signal from data Acquisition part and displays the test results on large digital displays. This also handle relevant calculation toge UT..