



The Test Rig for Spring Back Action (52382) is useful for study of Elasticity of metallic Sheets. The Setup is useful for studying the tensile-Physical / Elastic properties of Materials.

Features

- Compact Ergonomic Design.
- User Friendly, Self Explanatory Systems.
- Robust Construction.
- Enhanced Electrical Safety Considerations.
- Training Manuals, Mimic Charts for Operation Ease.
- Inbuilt Safety Measures to avoid improper usage.
- M.S. powder coated plant with standard Instrument Mountings.

Experiments

- Study of Stress & Strain Measurement.
- Study of Physical Properties of Materials.
- Study of Elasticity, Spring Back Action etc.

Services Required

- Electric Supply of 1 ϕ 230 VAC, 50Hz

Technical Specification

No.	Item Name	Technical Specifications
1	Oil Hydraulic power pack	MS Powder Coated Oil Tank, Capacity: 25 Liters., with Oil Level Indicator, Gear Pump: 3 LPM, with Strainer Filter. 70 bar, Breather, Oil filter & suction, 3 Phase, 1/2 HP, 415 AC Electric Motor with DOL starter
2	Force Applying Mechanism	Single Acting cylinder, Foot Mounting, Stroke Length
3	Block Manifold	1/4", 4 ways
4	Pressure Gauges	3 nos., 100 Kg/cm ² , Dial Size: 50 mm, Glycerin Filled.
5	Deformation/Strain Indicator	Least Count: 0.01mm/ 100micron, Output: mm of Displacement
6	Deformation / Strain Measuring Mechanism	LVDT-Input \pm 10mm, 230 V AC
7	Stress Applying Mechanism	V Shaped Mechanism
8	Direction Controlling Valve	4 / 3 Direction Control Valve Hand Lever Operated.
9	M.S. powder coated plant with standard Instrument Mountings.	

Note: Specifications are subject to change.

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