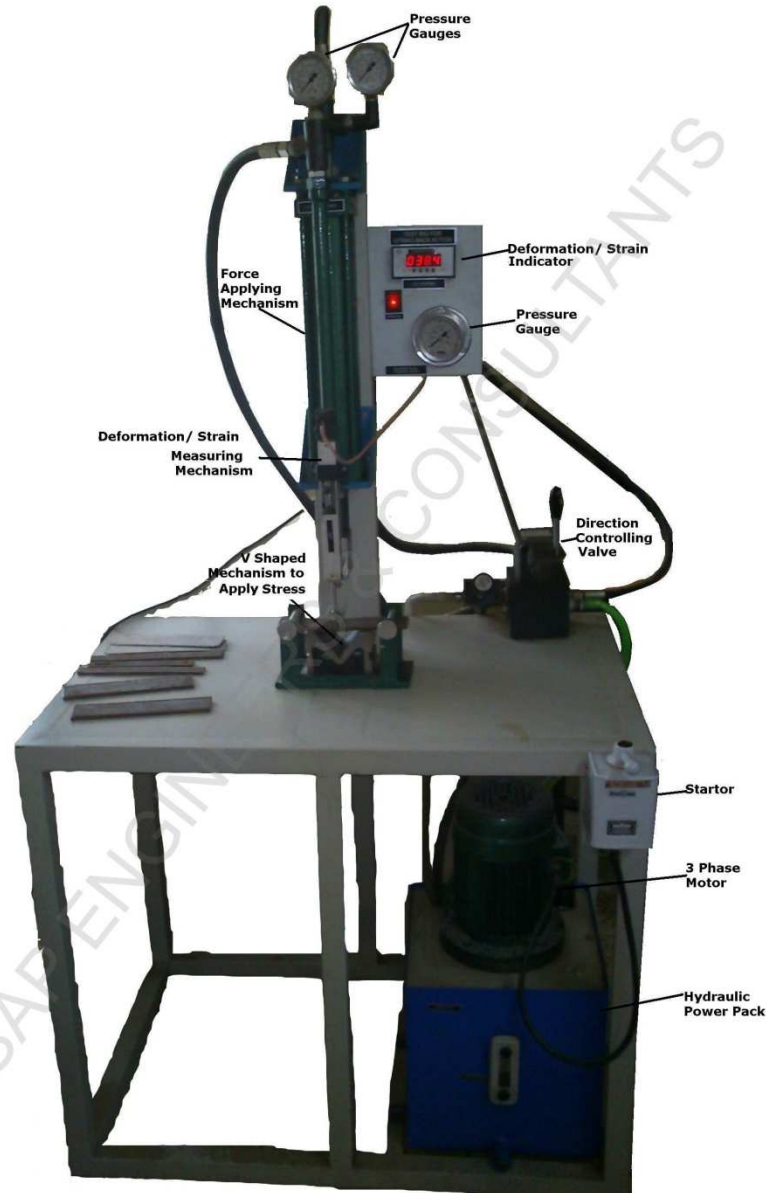


**SAP E & C TEST RIG FOR SPRING BACK ACTION  
(PRODUCT CODE: SAP – 86)**



**TEST RIG FOR SPRING BACK ACTION (SAP – 86)**

The **Test Rig for Spring Back Action (SAP – 86)** is useful for study of Elasticity of metallic Sheets. The Setup is useful for studying the tensile-Physical / Elastic properties of Materials.

**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, ½ HP, 415 AC Electric Motor with DOL starter
2	Force Applying Mechanism-	Single Acting cylinder, Foot Mounting, Stroke Length
3	Block Manifold-	¼", 4 ways
4	Pressure Gauges-	3 nos., 100 Kg/cm <sup>2</sup> , Dial Size: 50 mm, Glycerin Filled.

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5	<b>Deformation/Strain Indicator-</b>	Least Count: 0.01mm/ 100micron, Output: mm of Displacement
6	<b>Deformation / Strain Measuring Mechanism-</b>	LVDT-Input $\pm 10$ mm, 230 V AC
7	<b>Stress Applying Mechanism-</b>	V Shaped Mechanism
8	<b>Direction Controlling Valve-</b>	4 / 3 Direction Control Valve Hand Lever Operated.
9	<b>M.S. powder coated plant with standard Instrument Mountings.</b>	

**Range of Experiments-**

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

**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.

**Services Required-**

- ❖ Electric Supply of 1 $\phi$  230 VAC, 50Hz

**Note-**

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.

Manufactured/Marketed By

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