






## List of Instruments




Sl. No.	Name	Image
1	Compression Set Apparatus @ Stress	 A mechanical apparatus for testing the compressive strength of materials. It features a central vertical column with a horizontal crosshead at the top, supported by a base. The crosshead has a horizontal bar with a central handle. The apparatus is mounted on a wooden base.
2	Digital Spectrophotometer	 A laboratory instrument used for measuring the absorbance of a sample. It has a white front panel with two digital displays, several control knobs, and a sample compartment on the left side.
3	pH Meter	 Two digital pH meters are shown. The top one is red and black, and the bottom one is blue and black. Both have digital displays and control knobs. They are connected to glass electrodes and a beaker containing a liquid.
4	Vacuum Oven (Round)	 A large, white, rectangular vacuum oven with a round door. It has a control panel on the right side with a digital display and several knobs. The door has a circular window and a handle.
5	AGING OVEN	 A white, rectangular aging oven with a black door. It has a control panel on the bottom right side with a digital display and several knobs. The door has a handle and a lock.

6	<b>MAGNETIC STIRRER</b>	
7	<b>MAGNETIC STIRRER WITH HOTPLATE</b>	
8	<b>ULTRASONIC BATH (SONICATOR)</b>	
9	<b>ELECTRONIC BALANCE CAPACITY: 300gm, Accuracy 0.01gm</b>	
10	<b>Din Abrasion Tester</b>	
11	<b>Hardness Tester (Shore A)</b>	

<p>12</p>	<p><b>INTERNATIONAL RUBBER HARDNESS DEGREE (IRHD) METER</b>  Method (N) Range 30 to 90  IRHD ( Model :- IRHD IS 3400 ( Part II ) 1980)</p>	
<p>13</p>	<p><b>Rubber Sample Cutter Die, Dumbbell Shaped</b></p>	
<p>14</p>	<p><b>Hydraulic Cutting Press (for Rubber and Composites)</b></p>	
<p>15</p>	<p><b>Muffle Furnace</b></p>	

16	<b>Drying Oven</b>	
17	<b>Tensile Testing Machine</b>	
18	<b>Sample Die Cutting Press (Hand Cutter for Soft Materials)</b>	

19	<b>Slab Mould Press</b>	
20	<b>Mooney Viscometer</b>	
21	<b>Oscillating Disc Rheometer (ODR)</b>	

22	<b>Lab Two Roll Mill</b>	
23	<b>Density meter</b>	
24	<b>Ubbelohde viscometer</b>	
25	<b>Brookfield Viscometer</b>	

26

**Rebound Resilience  
tester**

