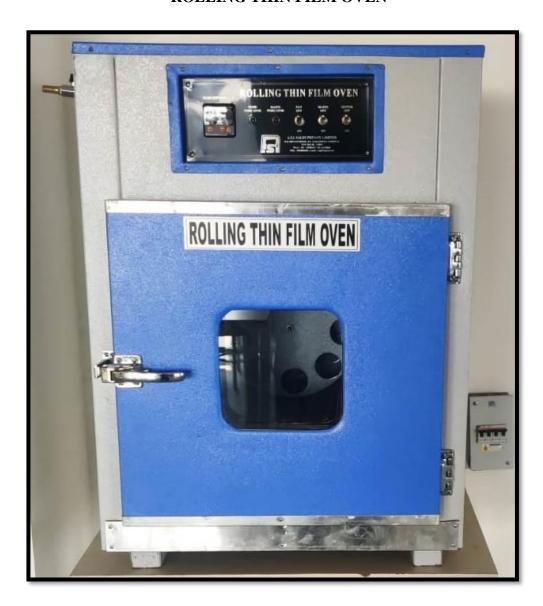


#### **ROLLING THIN FILM OVEN**



- 1. Double-walled construction, interior corrosion resistant stainless steel and exterior mild steel duly painted. 75 mm of high density fibre glass insulation
- 2. Thermal Protection prevents oven from overheating in the event of control failure
- 3. Temperature Range: Ambient to 200°c
- 4. Temp. Control Accuracy: 0.5 °C. Rotating Speed: 15R ±0.2R/min. Double exhaust vents for dissipation of expended volatile from specimen
- 5. Air Pressure Gauge: Range 0 60 PSI
- 6. Electrical Supply: 230 V AC 50 Hz single phase



### **DIGITAL SAY BOLT VISCOMETER**



- 1. Say bolt Two-tube Digital Viscometer 220-240 V, 50-60 Hz
- 2. Filter Funnel with Wire Mesh and Clip
- 3. Thermometer support for a set of 6 thermometers with the temperature ranges; 19 to  $27^{\circ}$ C, 34 to  $42^{\circ}$ C, 49 to  $57^{\circ}$ C, 57 to  $65^{\circ}$ C, 79 to  $87^{\circ}$ C (250 mm length) and 95 to  $103^{\circ}$ C
- 4. Viscosity Flask, Glass (60 ml)
- 5. Universal orifice and Furol orifice Heat transfer oil capacity 5 litres



### AUTOMATIC DIGITAL RING AND BALL APPARATUS



- 1. Temperature Resolution: 0.01°C
- 2. Uniform Temp. Rise @ 5°C to +/- 0.5°C as per BIS 1205
- 3. Uses both water and glycerol as bath liquid (30-150°C)
- 4. Real time display of the Temperature (°C)
- 5. Automatic pre-conditioning and test start
- 6. Controlled heating and cooling system
- 7. Freezing of Softening Point on Failure of the sample



### FULLY AUTOMATIC DIGITAL BITUMEN PENETROMETER



- 1. Penetration measurement with 0.01 mm resolution, in a range of 0 50 mm.
- 2. Total Test Load: 100 g (plunger 97.5 g + 2.5 g penetration needle)
- 3. Loading Time: 5 seconds
- 4. Electro-magnetic needle probe release to perform the test.
- 5. Screen display equipped with an user friendly software and clear interface.
- 6. Real time display of penetration/time curve, average result and test temperature.



### **AUTOMATIC MARSHALL STABILITY TEST MACHINE**



- 1. Load Cell Capacity 50 kN
- 2. Penetration Piston for Marshall Stability Test
- 3. Linear Potentiometric Displacement Transducer
- 4. Software for support
- 5. Cable for connection to PC
- 6. Hand Wheel for Manual Control



### CENTRIFUGE EXTRACTOR ELECTRICALLY OPERATED



- 1. Electrical Operated Double Centrifuge Extractor
- 2. Capacity 1500g, with a Dimmer stat for speed control from 0 to 3,600 rpm.
- 3. Suitable for operation on 230 V, 50 Hz, Single Phase, A.C. supply.



### **AUTOMATIC COMPACTOR FOR BITUMINOUS MIXES**



- 1. This equipment consists of a drive mechanism that lifts a 4.5kg weight and drops it through a height of 457mm.
- 2. A removable rammer foot facilitates preheating.
- 3. A compaction pedestal with specimen holder is fixed to the base.
- 4. An automatic blow counter enables the number of blows to be present before each test and automatically stops the machine on completion.
- 5. Suitable for operation on 230 V, 50 Hz, Single Phase, A.C. supply.