

## BURSTING STRENGTH TESTER



**ANALOGUE MODEL –SINGLE  
PRESSURE GAUGE**  
Capacity 0to 7kg/cm<sup>2</sup> X 0.1  
kg/cm<sup>2</sup> least count



**ANALOGUE MODEL-DOUBLE  
RANGE**  
Capacity 0to 7kg/cm<sup>2</sup> X 0.1  
kg/cm<sup>2</sup> least count & 0 to 35  
kg/cm<sup>2</sup> X 1 kg/cm<sup>2</sup> least  
count



**DIGITAL MODEL**  
0to 50 kg/cm<sup>2</sup> X 0.1 kg/cm<sup>2</sup>  
least count



**DIGITAL MODEL-  
PNEUMATIC CLAMPING**  
0to 50 kg/cm<sup>2</sup> X 0.1 kg/cm<sup>2</sup>  
least count

Bursting strength tester of any material such as fabric, leather, paper, paper board & corrugated box etc. Its strength under multi-directional force and is defined, as the hydrostatic pressure required producing rupture of the material when pressure is applied at a controlled increasing rate through a rubber diaphragm.

The **ASIAN** **Bursting Strength Tester** is designed to find bursting strength of fabric/ leather/ paper/paper board & corrugated box. A test specimen is held between two annular clamps under sufficient pressure to minimize slippage. The clamping is done by hand wheel/screw

arrangement or by pneumatic pressure with pressure gauge, solenoid valve and pressure regulator as per model. The upper clamping surface which is in contact with the test specimens has a continuous spiral grooves. A circular diaphragm of pure gum rubber is clamped between the lower clamping plate & pressure cylinder so that before the diaphragm is stretched by pressure underneath it the center of its upper surface is below the plane of the clamping surface.

The equipment is fitted with a motor driven screw mechanism, which increases fluid displacement on the lower side of the diaphragm at a specified rate. The equipment is fitted with an arrangement, which automatically brings down the pressure and stops the motor on completion of the test cycle. A maximum reading type pressure gauge (or pressure sensor and digital indicator with peak hold and tare facility in digital model) gives the bursting pressure.

The equipment is ruggedly designed to give a long & trouble free life. The components are brighter chrome plated or painted in metallic paint to give the tester an aesthetic appearance.

Digital type pressure gauge type instruments are also available Digital type pressure gauge with pneumatic clamping model also available.

**TECHNICAL DATA**

Opening in upper clamp	: 30.5 mm diameter
Opening in lower clamp	: 38.1 mm diameter
Rate of fluid displacement	: 95 cc/ minute
Test fluid	: Glycerin
Gear Box	: Worm reduction type
Power required	: 220 VAC, 500 W, 50 Hz single phase