



VERTEX

DART IMPACT TESTER



The Dart Impact Tester is a cost effective solution for testing impact resistance of thin sheet materials. Bench mounted or floor standing, with drop heights and darts for ASTM D1709 Methods A & B.

Impact resistance is expressed as the mass of a free falling 'missile' that would cause failure of 50% of samples tested. A simple pass/fail procedure, combined with varying weights enables calculation of the resulting mass. A variety of factors can affect impact resistance including material thickness, uniformity of thickness, sample clamping, dart weight and drop height.

OVERVIEW:

An equipment to test the quality of film / laminate in respect of its resistance to rupture due to sudden impact. Plastic film, packaging films, paper, paperboard, corrugated board, foils, and other sheet like materials can be tested.

SPECIFICATION:

Dart Set	Basic dart set with 5-500gm weights, total 2000 grams weight.
Standard Drop Height	660 mm (Method A) 1524 mm [For "B" Method] 220 mm [For IS 2508]
Vacuum Range	760 mm of Hg
Electric Supply	230 VAC/50Hz
Electric Power	500 Watts
Bounce Guard (to protect the Dart from bouncing off high-quality films)	

ACCESSORIES:

Dart For A Method [50 Grams] :	1 No
Dart For A Method [300 Grams] :	1 No
Weights Box [5-500 Grams] :	1 No
Vacuum Pump [50 LPM In Built] :	1 No

FEATURES:

- Foot-Operated Switch to Clamp / Un-Clamp the film sample.
- Umbrella switch to activate / de-activate the Electromagnet Coil.
- Foam Padding inside the Catching Pit (to protect damage to the falling dart).
- Inbuilt vacuum pump for sample clamping.