

## Falling Dart Impact Tester

The falling dart impact tester determines the impact resistance of plastic film by the free falling dart method. The apparatus establishes the energy required to tear film specimens under specified conditions of impact of a free falling dart. The energy is expressed in terms of the weight of the dart 50% of the film specimens fail under the conditions specified. The sample is held down by a manually operated clamp. A range of weight is provided to be performed on various film thicknesses. The working range of the weight is established by finding the weight that will just break the sample film.

### Applications:

- Plastic film
- Flexible film

### Specifications:

- Dart : 2 Nos. Method 'A' and 'B'
- Weight : 5 grams to 500 grams.
- Release mechanism : Electromagnetic.
- Vacuum creation : Single stage oil vacuum pump.
- Counter : Six digit electric counter would be provided for counting number of trails.
- Vacuum indication : Dial gauge with rang upto - 760 mmHg
- Power supply : 220 VAC 50Hz.

### Features :

- Floor mounted system.
- Adjustable dart drop height.
- Push button switch for dart release.
- Aluminum and stanless steel weighted.

### Dimensions:

- Depth: 600 mm
- Height: 2375 mm
- Width: 550 mm

### Standards:

- ASTM D 1709
- IS 2508

### Weight:

- Net Weight: 45 kgs
- Gross Weight: 182 kgs

