

Drop Weight Impact Tester

The Drop Weight Impact Tester, a vital laboratory device for assessing the impact resistance of plastic films, sheets, and laminated materials, has become an indispensable tool across various industries, particularly in packaging and construction. It operates by dropping a steel dart from a specified height onto the sample material, measuring the energy required to cause failure, thereby gauging the material's durability and suitability for real-world applications.

Specification

- Product: Drop Weight Impact Tester for plastic films.
- Model: PCDWIT-1.
- Brand: Pacorr.
- Referenced standards: ASTM D1709 and IS 2508; confirm the required method and edition when ordering.
- Specimen holding: Pneumatically operated film clamps.
- Dart release: Electromagnetic holding and release with a centring arrangement.
- Published electromagnetic holding capacity: 2 kg; confirm the supplied dart and additional weight combination.
- Drop arrangement: Adjustable drop height; confirm the supported settings for the selected method.
- Trial counter: Six-digit electronic counter.
- Published dart-shaft dimensions: 6.5 mm outside diameter and 127.5 mm length.
- Dart and weight selection: Specify the required Method A or Method B configuration in the quotation.



Model: PCDWIT-1

Key Features

- Pneumatic clamping: Holds the specimen around the test opening to support consistent positioning.
- Electromagnetic release: Releases the dart without an operator-applied push.
- Centring arrangement: Helps align the falling dart with the specimen's impact area.
- Adjustable height: Allows the drop position to be set for the supported test configuration.
- Electronic trial counting: Helps operators track the number of drops performed during a test series.
- Method-specific accessories: Dart heads and weight combinations can be specified against the required procedure.

Our Valuable Customer



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