

Falling Dart Impact Tester

The Falling Dart Impact Tester is used to conduct impact tests on materials like plastic films and paper. It estimates the material property of impact resistance by testing the impact strength.



Overview

Precision Impact Testing

The Falling Dart Impact Tester is an essential instrument for determining the impact resistance of plastic films, papers, and sheeting. By measuring the energy required to cause material failure, this device provides critical data for quality control and research in the packaging industry. It is engineered to comply with international and national standards, ensuring reliable and repeatable testing results for your material property assessments.

Technical Specifications

Dart Head Weight Range	2000 g
Weight Increment	5 g
Impact Height	1500 mm
Measuring Precision	1 g

Standards & Compliance

Supported Standards	ISO 7765-85, GB 9639-88, ZBN 7202-80
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Sample & Setup

Sample Clamp Dimensions

Measurement Type	Dimension
External Diameter	150mm
Inside Diameter	125mm

Testing Methods

Measuring Ranges by Method

2000 g Method A Range	2000 g Method B Range
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Dart Head Semidiameter

- Method A: $R38 \pm 1\text{mm}$
- Method B: $50 \pm 1\text{mm}$