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## **DART IMPACT TESTER AZA1335**

The AZA1335 Dart Impact Tester is a precision-engineered instrument designed to evaluate the impact resistance of plastic films and sheets under controlled laboratory conditions using the free-falling dart method.

The instrument determines the energy required to rupture a film specimen by dropping a hemispherical dart from a specified height onto the test material.

This provides a quantitative assessment of the material's toughness, puncture resistance, and durability under sudden impact conditions.

The AZA1335 is widely used in:

- Plastic film manufacturing
- Flexible packaging industries
- Polymer research laboratories
- Lamination and sheet production facilities
- Quality control and inspection laboratories

Designed for accurate and repeatable testing, the instrument complies with internationally recognized standards:

- ASTM D1709-16A – Impact Resistance of Plastic Film by the Free-Falling Dart Method
- IS 2508:1984 (R2003) – Indian Standard for Polyethylene Film Testing

Its robust construction, electromagnetic dart release mechanism, and dual-height testing capability make the AZA1335 an ideal solution for modern packaging and polymer testing laboratories.





## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model Number	AZA1335
Inside Diameter of Clamp	127 mm
Release Mechanism	Electromagnetic hold and release
Dart Head Diameter	Method A – 38 mm Method B – 50 mm
Height of Fall	660 mm and 1524 mm (Adjustable)
Maximum Dart Weight Capacity	2 kg
Clamping Unit	Circular annular type with zero slippage
Power Supply	Single Phase, 220 V AC
Material of Construction	Powder-coated mild steel
Overall Dimensions (L × W × H)	415 × 500 × 2153 mm

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## UNIVERSE Standards Compliance

Standard	Description
ASTM D1709-16A	Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
IS 2508:1984 (R2003)	Indian Standard for Polyethylene Film Testing

