

Dart Impact Tester

The Testronix Dart Impact Tester is used in paper, packaging & flexible films industries for calculating the impact of a free falling dart on a plastic film. The force at which the falling dart ruptures the plastic film under certain conditions is calculated. The impact on the films depends on the falling height of the dart and the weight of the dart.

The test can be conducted by various methods. The instrument also consists of a digital LED screen to provide the user with accurate results and to make the test operation easier.

The instrument is easy to operate and adheres to various test standards such as Standard: **IS 2508:1984(R2003), ASTM D1709-16A.**

Plastic film manufacturers must ensure that the film is resilient and strong enough to withstand the impact of any external forces. Hence the dart impact tester is the most suitable instrument to calculate the impact and force at which a particular weight can rupture the plastic film



Features

- Built on a rigid metallic base.
- Electromagnetic Hold and release mechanism for dart
- Drop Height adjustable clamp
- Circular annular clamping devices for zero slippage
- Powder coated mild steel material
- Dimension: 415x500x2153 mm

Specifications

- Inside diameter of clamp: 127mm
- Release Mechanism: Electro Magnetic.
- Diameter of dart head : 3 Method A – 38 mm & Method B – 50 mm
- Height of fall :660 mm and 1524 mm(Adjustable)
- Maximum weight holding capacity of Dart Holding Mechanism: 2Kg
- Release Mechanism: Electromagnetic dart hold/release mechanism
- Clamping Unit: Circular annular clamping unit with zero slippage
- Single Phase 220 V AC

