



## Dart Impact Tester – PRIMA SERIES

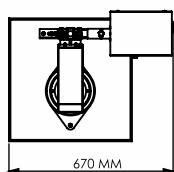
### Model No. PDT - 350 (Prima)

**Dart Impact Tester** is a consistent tool for determining the impact of a free falling dart on a plastic film. The energy of the falling dart causes the film to fail under specified conditions. The dart has a hemispherical head and is held by a strong electromagnetic dart holder. PRESTO Dart Impact Tester is manufactured under Test Standard IS 2508:1984(R2003), ASTM D1709-16A.

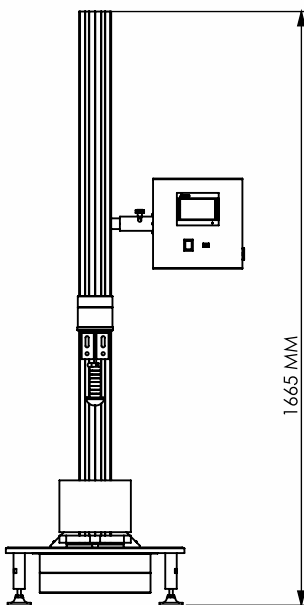
Other models available are Dart Impact Tester – Digital Model.



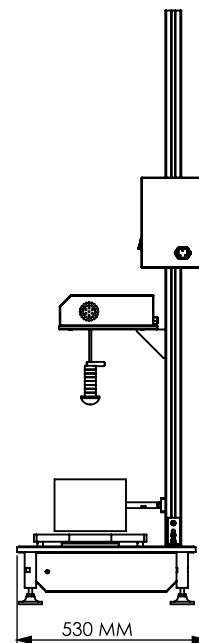
- HMI based Touchscreen Model
- Electromagnetic Hold and release mechanism for dart
- Sturdy Aluminum Section Profile used
- Drop Height adjustable clamp
- Automatic Test through Electromagnetic Clamping.
- Inbuilt Digital counter for counting number of falls during single test operation
- Circular annular pneumatic clamping devices for zero slippage
- Single Push operation through Paddle Switch.
- Shielding structure to prevent dart from falling out after bounce from sample
- Strong base plate with rugged structure
- Pass/Fail criteria can be programmed
- Method Setting for selecting test methods and performing the test.
- Easy Data Management. User can create product identification, user name, dart weight, magnet hold time, percentage failure etc.
- Automatic calculations & result through Method Setting as per Standard.
- USB option available for storing test data
- Data output in data record format.
- History Data involves Test method, date, time, Failure mass, strength etc.
- Clamping Shield height adjustable collar
- Sample holding through Pneumatic clamping.
- \* Air Compressor not part of offer.



Top View



Front View



Side View



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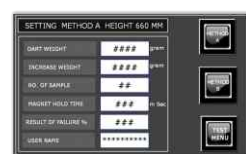
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PRESTO Dart Impact Tester is widely used by plastic film manufacturer for assessing the strength and durability of their plastic films, flexible films, sheets and similar other products. Works according to both Method-A and Method-B of test standard.

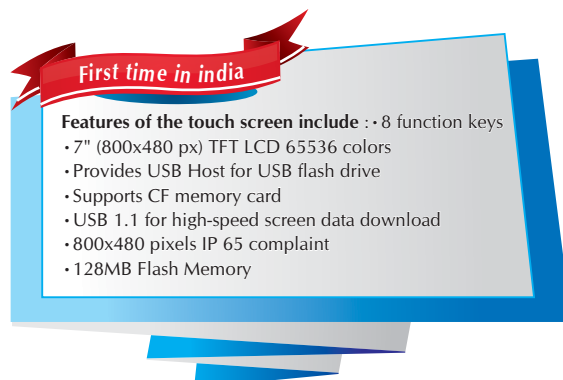
## Key Specifications:

Inner Diameter of clamp	127 mm $\pm$ 2 mm
Display	HMI (Touchscreen) TFT LCD Screen 65536 colors 800 x 480 pixels Size : 7 Inch
Diameter of Dart head	• Method A-38 mm • Method B-50.8 mm $\pm$ 0.13 mm
Drop Height	660 mm and 1524 mm (Adjustable)
Maximum weight holding capacity of Dart Holding Mechanism	Upto 2 kg
Dart Head Material	Method A Phenolic, Method B Stainless Steel
Least Count of Height Adjustable Clamp	1 mm
Pneumatic Clamping Pressure *	3-4 bar
Counter	Digital Counter (Inbuilt in HMI)
Power	220V, 50Hz, Single Phase
Dart weights	5 gm to 90 gm (Stainless Steel weights)



## Highlights:

Type of test	Free Falling Dart
Release Mechanism	Electromagnetic dart hold/release mechanism through Paddle Switch
Clamping Unit	Circular annular clamping unit with zero slippage
Material	Mild Steel
Finish	Power coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	670x530x1665 mm



\* Pen drive is not a part of supply.

Dart impact tester is widely used in several industries to test and to substantiate the potency of plastic sheets, flexible films by free falling Dart.

Thank you customers for choosing us as your partners in growth !



\*All the above logos are the sole property of their respective owners and are used purely for depiction purposes only.

## OUR OTHER PRODUCTS :-

Box Compression Tester Digital cum Computerised	Suff Resistance Tester	Tensile Tester Digital	Spectrocolorimeter	Cobb Sizing Tester	Digital GSM Balance

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