



PRESTO[®]
Testing Instruments
Presto Stantest Pvt. Ltd.



POLYMER TESTING INSTRUMENTS

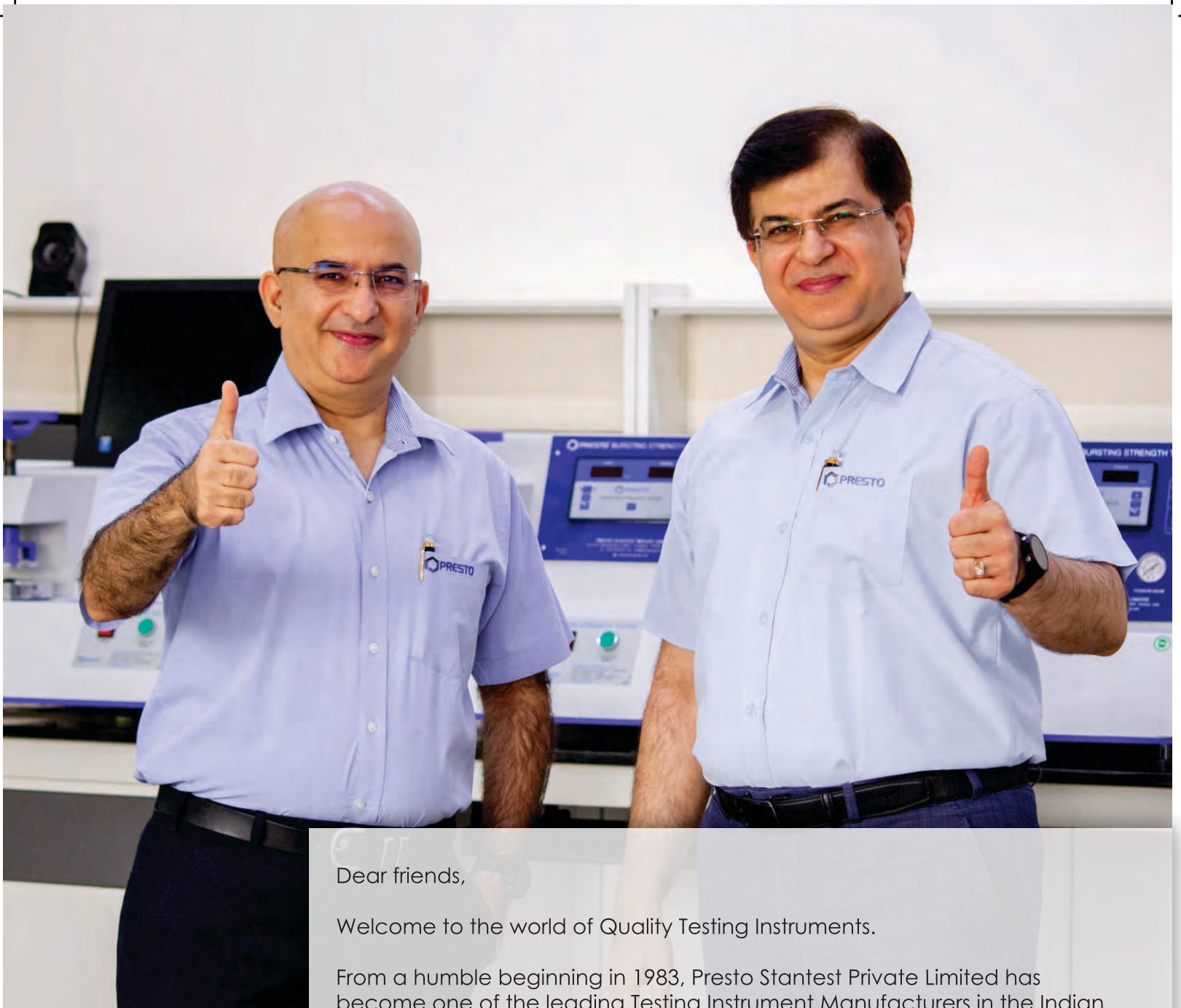


www.prestogroup.com



National Quality Award
1st Prize Winners





Dear friends,

Welcome to the world of Quality Testing Instruments.

From a humble beginning in 1983, Presto Stantest Private Limited has become one of the leading Testing Instrument Manufacturers in the Indian Subcontinent. Besides having branches all across India, the company is proud to have a commendable global presence.

Our long tradition of reaching our valued customers and providing them with the best & most economical solution is a rich legacy we have been carrying for more than 40 years.

We, at Presto Stantest, present to you a unique fusion -advanced features and precision testing rolled into state-of-the-art testing solutions. Testing the quality of your products has never been easier. Make our experience, your advantage!

Bests,

Mr. Gaurav Malhotra
CEO,
Presto Group

Mr. Vishal Malhotra
Managing Director,
Presto Group

Why Presto ?

Because over 11,436 customers across the globe have put their faith in us and we have surpassed their expectations. And, because we ensure...

High Quality & Perfection



We are National Quality Award winners from the Government of India. All our products are unmatched in quality and design.

Expertise & Adaptability



40+ years of experience in providing testing solutions to the world.

Cost Benefit



All our Products are manufactured in our 2 state of the art factories. They are standardized using CNC machines to provide long term cost benefits to customers.

Highly Motivated Team



180+ Team members to provide best services PAN India and globally.



Head Office



Certifications



Automated Factory



National Quality Award
1st Prize Winners



Automated Machinery

index



**ISO 9001 : 2015
Certified Company**



**National Award Winner
for Quality Products**



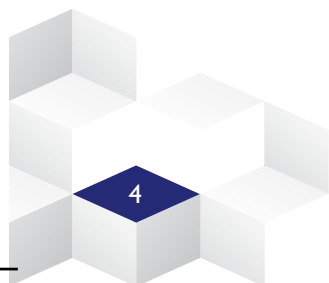
**4 Decades of Experience
in this Industry**



**In-house Research
& Development Facility**

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PRESTO® Computerised Tensile Testing Machine (UTM)

Computerised Tensile Testing Machine is a consistent tool that helps the user in testing the breaking, tensile and compression strength of various materials, components and finished products. It is based on the principle of Constant rate of extension (CRE).

- Speed Control through Variable Frequency drive, automation by Graphic user interface PC.
- Highly sensitive load sensor with linearity feature and repeatability
- Cross head travel length: 800 mm without grips
- Twin column rugged structure
- Safety limit switches for over travel safety
- Hardened lead screws/ball screws for frictionless movement
- Micro-controller based system controls with integrated software
- User Friendly software with intuitive icons
- Easy Data Management. User programmable product identification, lot no., shape of specimen, company name, operator details etc.
- Export Test report in excel format
- Print preview of test reports with Zoom Feature available
- Online test run status can be viewed graphically or in raw data
- Ease of use features: Graph setup, test control wizard, formulae/result calculations, reports, live test panel.
- Automatic end test/return to home position through software interface after completion of test.
- Immediate result analysis after test with accuracy & precision.
- Option to email test reports
- Single Test start with one click entry of the mouse.



Model TTM-D (C) Zues Ultimo
• Computer is not part of the offer

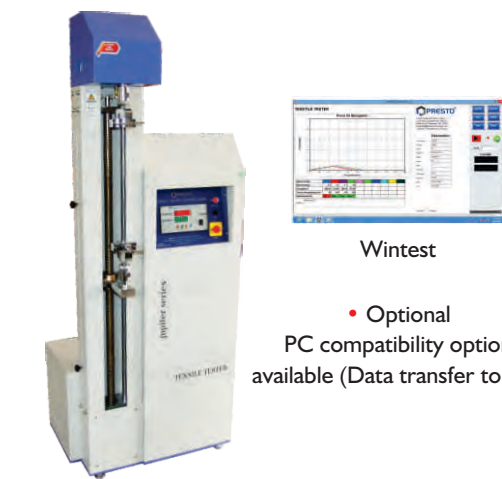
PRESTO® Digital Tensile Testing Machine

Digital Tensile Testing Machine is a state of the art, highly versatile equipment for checking the breaking strength of raw materials and finished products. It is based on the principle of Constant rate of Traverse (CRT).

- Structure : Single column lead screw low friction
- Capacity : 250 Kgf
- Maximum travel length : 750 mm grip to grip.
- Safety Limit Switches for Over Travel Protection.
- In built Internal Load Calibration option.

Optional :

- Wintest one way communication software for result export
- Advanced load sensor sensing through advanced electronics.
- Graph of Force Vs Elongation
- Easy Data Management. User can create product identification, Sample ID, Shape of specimen, company name, operator details etc.
- Auto Cut off Facility.
- AC Speed drive as optional accessory (Variable Test Speed)
- Specially designed gripping jaws for holding fragile samples.



Wintest

- Optional PC compatibility option available (Data transfer to PC)

Model TTM - S (250)

- Patented Design

Other Capacities Available :

• Capacities (Kgf) : 10 20 50 100 250 500 1000 2500 5000 10000

• Least Count : 1gm 2gm 5gm 10gm 100gm 200gm 500gm 1Kg 2Kg 5Kg

Grips :



Wedge Type grip



Self Tighting grip



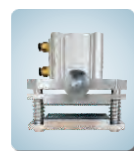
Vice Type grip



Wire Rope Type grip



Compression Plate



Pneumatic Type grip



Flexural



Roll Type Grip



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PRESTO® Melt Flow Index - MFR

Melt Flow Index – MFR Model performs melt index tests according to MFR and MVR procedures that fully comply with ISO 1133 method A and B. Equipped with a semi-automatic system for loading masses onto the piston

- Includes seven different masses ranging from 0.7 - 21.6 kg
- A high-resolution direct-contact encoder measures piston displacement
- large touch-screen display for full test programming
- Data storage facility, can be exported through USB.
- Automatic melt cutting and barrel cleaning accessories are also available.
- **Temperature Range** Ambient to 400°C
- **Accuracy** $\pm 1^\circ\text{C}$ and **Least Count/Resolution** : 0.1°C



Model MFI - MFR

PRESTO® Melt Flow Index - NEO 2.0

Melt flow neo 2.0 is a HMI-based touchscreen model that will provide you with an accurate testing result of the melt flow properties of the materials under various test standards ASTM D 1238-1992, IS 2267-1972, IS 2530-1963, IS 10810-1984.

- Automatic sample cutting
- Temperature setting and Preset Timer functions incorporated in HMI for accuracy and repeatability
- Steel barrel for uniform and the consistent heating of barrel/test cylinder.
- Test report can be generated in PDF format.



Model No. MFI-NEO 2.0

PRESTO® Melt Flow Index Next Generation Model (NXG)

Melt Flow Index – Next Generation Model is a consistent tool useful for checking the flow properties of molten plastics/resins. PRESTO Melt Flow Index Tester is manufactured under various Test Standards ASTM D 1238-1992, IS 2267-1972, IS 2530-1963, IS 10810-1984.

- **HMI based Touchscreen Model**
- **Inbuilt Calculator** for calculating the MFI/MFR.
- **Temperature Vs Time graph of the output**
- **Easy Data Management.** User can create product identification, test temperature, time etc.
- **USB option available for storing test data**
- **Temperature Range** : Ambient to 400°C
- **Accuracy** : $\pm 1^\circ\text{C}$; **Least Count/Resolution** : 0.1°C
- **Sample Cutting** : Automatic Motorized
- **Temperature Control** : Inbuilt PID Temperature Controller
- **Timer** : Inbuilt in HMI Preset upto 999 Seconds/Hour/Minuts



Model MFI - NXG

PRESTO® Melt Flow Index Deluxe

Useful for checking flow properties of molten plastics / resin.

Temperature controller: Micro processor based PID controller with temperature range from ambient to 400°C, resolution of 0.1°C.

Timer: Digital pre-settable with a range up to 9999 sec.

- **Sample cutting** : Motorised automatic.
- **Weights** : 1.2 kg, 2.16 kg, 3.8 kg, 5 kg.
- **Accessories** : Standard accessories*.
- **Paint** : Powder coated.

Related Standards :

- IS 2267-1972 : Specification for polystyrene moulding materials
- IS 2530-1963 : Methods of test for polyethylene moulding Materials & polyethylene compounds
- IS 10810-1984 : Methods for test for cables part 23: melt flow Index
- ASTM D1238-1992 : Standard Test method for flow rates of Thermoplastic by extrusion Plastometer

Optional Accessory :

Lab Weighing Balance 200gms, Least Count 0.01gms

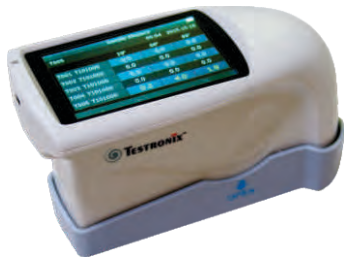
It comes complete with instruction manual, calibration certificates and cleaning tools.



Model MFI - DX

* Standard accessories includes Orifice, Piston, Spool, Spanner, Plumb line, Funnel, Material charger, Mirror, Tweezer, Orifice cleaner, Barrel cleaner, Sample cutter and Accessory stand.

* IQ, OQ, PQ available on request.



Model TKT 862

Testronix Gloss Meter Tri- Angle

Gloss Meter Tri-angle features with 20°, 60° and 85° angle, comply with international standards of ISO2813, GB/T 9754, ASTM D523, ASTM D2457

Measuring Area (mm)	20°: 10x10 60°: 9x15 85°: 5x36
Measuring Range	20°: 0~1000GU 60°: 0~1000GU 85°: 0~160GU
Division Value	0.1GU
Measurement Range	0-10GU 10-100GU 100-1000GU
Repeatability	± 0.1GU ± 0.2GU ± 0.2%GU
Reproducibility	± 0.2GU ± 0.5GU ± 0.5%GU
Measurement Standard	Conform with JIG696 first class glossmeter working requirement
Chromaticity Corresponding	Corresponding with CIE 1931(2°) under CIE C light source
Standard Accessories	Power Adapter, USB cable, User Manual, software CD (except basic model), Calibration Plate



Model TP 110

Testronix Digital Colour Matching - Colorimeter

Digital Colour Matching - Colorimeter is an excellent instrument to check color parameters digitally. Highly recommended as a handy QC tool to ensure color consistency.

- Illuminating/Viewing Geometry : 8/d
- Measuring Aperture : Ø4mm
- Detector : Silicon photo electric diode
- Locating : Illuminating Locating / cross Locating
- Measurement End Face : Large stable end-face and small concave-convex end face
CIE L*a*b*c*h* CIE L*a*b*
- Colour Space : CIEXYZ
- Colour Difference formula : $\Delta E^*ab, \Delta L^*a^*b^*, \Delta E^*c^*h^*$
- Light Source : D 65
- Light Source Device : LED blue light excitation
- Errors Between each equipment : $\leq 0.80\Delta E^*ab$
- Storage : 100no. Standard 20000 no. samples



Powders & Liquids also Measurable (option)



Model TP 800

Testronix Digital Colour Matching - Spectrophotometer

Digital Colour Matching - Spectrophotometer provides highly accurate results and is precise to any color. The device not only calculates the L* ab value, but also helps to measure the Delta E value precisely. The device clearly displays the spectral reflectance curve with which one can realize the color matching functions easily and can calculate the factors of different color formulas.

- 45/0 geometric optical structure strictly adheres to DIN, CIE, ASTM and ISO standard.
- 3.5 Inch display with capacitive touch operates the instrument easily.
- Two regular spectator standpoint, multiple light source modes, and a wide range of color systems.
- Recurring of the values of CIE x ab is less than or equal to 0.04, and the errors are less than or equal to 0.2.
- Large storage capacity can save 1000 Standards in its memory.
- Inbuilt PC software offers controlling additional functions.
- Optional : Comes along with Universal test component which gives highly accurate results for test powders, liquids and solids.



* Optional Universal Kit for checking liquid and powder



Model Spectrum-I Asia

PRESTO® Colour Matching Cabinet

Color Matching Cabinet Spectrum is a consistent tool useful for visual assessment and evaluation of colors. Used in various industries and laboratories to maintain quality and color consistency of a sample to detect the phenomenon of metamerism.

Light sources : Artificial daylight D-65, Fluorescent - TL-84, Ultra Violet, TFL & CWF

- Standardized and controlled lightening conditions.
- Wide Viewing Area available with 45° viewing booth





PRESTO® Izod / Charpy Impact Tester - Digital

IZOD/Charpy Impact Tester - Digital is a consistent tool to measure the impact resistance of materials under sudden falling force or impact. Izod / Charpy Impact Tester reveals the impact strength in terms of J/m. This tester is used to check the impact strength of plastics.

- Microprocessor based display for accurate test results
- Display for impact/absorbed energy and angle of test specimen
- Separate fixtures for Izod and Charpy test.
- Inbuilt calibration facility.
- Strong gripping fixtures for Izod / Charpy tests.
- Electromagnetic Pendulum release mechanism
- Capacity : Upto 25.02 Joules
- Range of Scales : 2.71 J, 5.42 J, 10.84 J, 21.68 J, 25.02 J
- Display : LED (Digital)
- Accuracy : ± 2% within entire range.
- Resolution : 0.02, 0.05, 0.1, 0.2 J respectively
- Pendulum Release Mechanism : Electromagnetic
- Release angle of pendulum : 150°

Standards : ASTM D256 - 10, ASTM D618 - 13, ASTM D883 - 12, ASTM D1204 - 14, ASTM D1248 - 12, ASTM E691 - 14



Model IZC - 222

PRESTO® Izod / Charpy Impact Tester HMI Touch Screen

IZOD/Charpy Impact Tester - is a consistent tool to measure the impact resistance of materials under sudden falling force or impact. Izod / Charpy Impact Tester reveals the impact strength in terms of J/m. This tester is used to check the impact strength of plastics. It comes with USB port.

- HMI Display for impact/absorbed energy and angle of test specimen
- Separate fixtures for Izod and Charpy test.
- Inbuilt calibration facility and provision to make test profile.
- Strong gripping fixtures for Izod / Charpy tests.
- Electromagnetic Pendulum release mechanism
- Capacity : Upto 25.02 Joules
- Range of Scales : 2.71 J, 5.42 J, 10.84 J, 21.68 J, 25.02 J
- Resolution : 0.02, 0.05, 0.1, 0.2 J respectively
- Release angle of pendulum : 150°

Standards : ASTM D256 - 10, ASTM D618 - 13, ASTM D883 - 12, ASTM D1204 - 14, ASTM D1248 - 12, ASTM E691 - 14



Model IZC - 222 Prima

PRESTO® Notch Cutter (Motorised) For Impact Tester

Notch Cutter (Motorised) for Impact Tester is used for making notch in the Izod / Charpy samples as per ASTM D 256. The instrument is used to make the notch of the plastic sheets up to 5 mm. The outer body is neatly powder coated with balanced base.

- Depth micrometer : Mitutoyo make.
- Cutting Range : 2.5 mm with least count of 0.01 mm.
- Cutting angle : 45°.
- Power Requirement : 230 Volts; 50Hz; single phase.



Model NC - 22

PRESTO® Carbon Black Dispersion Test Apparatus

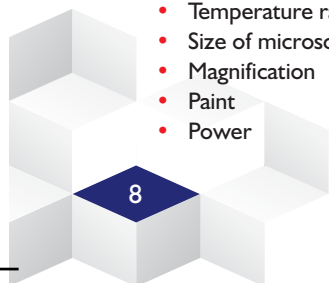
Carbon Black Dispersion Test Apparatus is widely used for the examination of carbon black dispersion. The instrument is used mainly in plastic industry. The carbon black dispersion produced on the material kept under test helps to determine a even background free from white lines and to check the size and number of agglomerated in the test specimen.

As per IS 4984 and IS 4985.

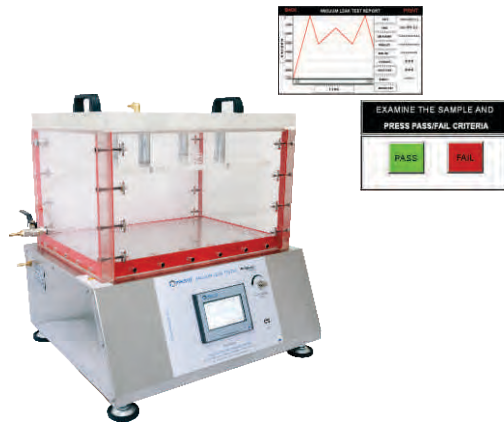
- Size of hot plate : 8 inch diameter.
- Temperature range : Ambient to 200 °C.
- Size of microscope's screen : 6 inch diameter.
- Magnification : 100X, 450X.
- Paint : Powder coated.
- Power : 230V, 50 Hz, single phase.



Model CBD - 501



PRESTO® Vacuum Leak Tester - Prima



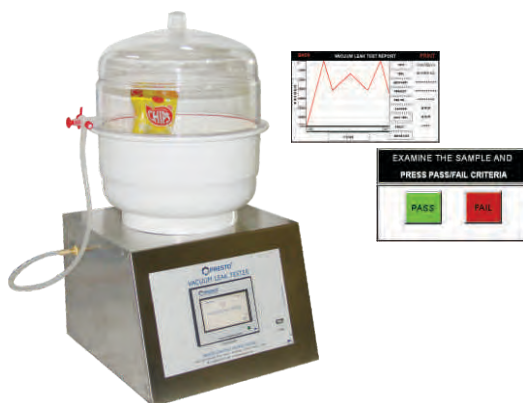
Model PVL - 0131 - Prima

Vacuum Leak Tester Prima is a consistent tool to visually check the integrity of seal. This equipment is used to check a non-porous, closed package for leakage / pinholes / tunnel defects- Solid Filled / Air Filled packages are tested while submerged in water-Liquid Product Filled packages are tested in dry & wet condition. Package integrity is often an important characteristic of package performance. Breaches of package integrity may permit substances to enter or contents to escape packages.

- Air & Water as Testing Medium
- Pass/Fail criteria can be programmed
- Inbuilt Calibration facility
- History Data involves user name, date, time, vacuum hold time etc.
- Test report can be generated in PDF format.



PRESTO® Vacuum Leak Tester - Prima



Model PVL - 0132 - Prima

The Presto leak detector machine is a high quality packaging seal integrity tester that adds quality control measures to your packaging applications. Regardless of contents, the vacuum seal integrity test will help ensure that your packaged product is sealed to your specifications. Benefits of will be realized by many industries from package manufacturers and converters to end user packagers in the packaging of: Coffee, foiled cups, gels, pouches, grains, cereal, bakery, namkeen, chips, confectionery, snacks, pasta, frozen foods, cheese, pet food and treats, Medical and pharmaceutical.

- Dry Chamber-Flexible Package Testing

Specifications:

- Vacuum adjustable up to –900 mb (675 mm-Hg.)
- Touch Screen display
- 2 stage vacuum and holding time setting
- Available in two sizes sample chambers (i) Ø 150 mm (ii) Ø 300 mm



PRESTO® Vacuum Tester for Plastic Containers - Prima



Model PVL - 0461 - Prima

Presto Vacuum Tester is a table top device designed to measure the vacuum resistance strength of rigid plastic containers. This device enables an increasing vacuum to be generated inside the container in a controlled way and captures the maximum level of vacuum that the container can withstand before distortion or failure.

- Vacuum adjustable up to –800 mb (-600 mm-Hg.)
- Air Supply requirement upto 8 bar (7 to 10 CFM)
- Hot-fill applications



PRESTO® Vacuum Leak Tester Touch Screen - Prima Series



Model PVL - 0131 - Prima

Vacuum leak tester is a consistent tool to check the seal integrity, pressure decay, seal performance of specimen like Pet Bottles, foiled cups, gels, pouches, pharmaceutical pouches, sealed tubes, food pouches etc. PRESTO Vacuum Leak Tester is manufactured under various Test Standards ASTM D 4991-07 (2015), ASTM F 2338-09 (2013).

- Vacuum Pressure display incorporated in HMI for easy pressure monitoring
- Running Timer with Initial Delay, Hold Time and Retention Time.
- Microprocessor based for accuracy and repeatability
- Vacuum Vs Time graph of the output
- Program profile for selecting test parameters and performing the test.
- Easy Data Management. User can create product identification, set vacuum, hold time, retention time etc.
- USB port available for storing test data and Graph
- Sample Chamber Size : Ø 150 mm x H 300 mm





PRESTO®
Testing Instruments
Presto Stantest Pvt. Ltd.

PRESTO® Conditioning / Humidity Chamber

The PRESTO® Conditioning Chamber is an ideal environment chamber with the latest technology used to create the designated temperature & humidity. It has the lowest heat loss ratio due to high quality of insulation with imported PUF. Ergonomics and user ease are given a lot of importance while designing the system. It has complete DIGITAL controls.

Technical Specification :

- **Inside Size :** 455mm x 455mm x 710mm
- **Humidity :** Range 65% - 95% ($\pm 5\%$)
- **Temperature Range :** 15°C to 60°C ($\pm 2^\circ\text{C}$)
- **Inside :** Stainless Steel
- **Outside :** Mild Steel duly powder coated
- **Viewing :** Viewing Glass incorporated for visual Examination of sample.
- **Humidity Control & Temp. Controller :** Digital controller for both humidity & temperature
- **Timer :** Digital Pre-Set type. Timer to cut off Chamber after set no. of hours.
- **Hour Totaliser :** Records total cumulative no. of hours the instrument has run.



Model : PCC - 800

PRESTO® Conditioning / Humidity Chamber - Dx

The PRESTO® Conditioning Chamber is an ideal environment chamber with the latest technology used to create the designated temperature & humidity. It has the lowest heat loss ratio due to high quality of insulation with imported PUF. Ergonomics and user ease are given a lot of importance while designing the system. It has complete DIGITAL controls.

Technical Specification :

- **Inside Size :** 455mm x 455mm x 710mm
- **Humidity :** Range 65% - 95% ($\pm 5\%$)
- **Temperature Range :** 15°C to 60°C ($\pm 2^\circ\text{C}$)
- **Inside :** Stainless Steel
- **Outside :** Stainless Steel
- **Viewing :** Viewing Glass incorporated for visual Examination of sample.
- **Humidity Control & Temp. Controller :** Digital controller for both humidity & temperature
- **Timer :** Digital Pre-Set type. Timer to cut off Chamber after set no of hours.
- **Hour Totaliser :** Records total cumulative no. of hours the instrument has run



Model : PCC 800 DX

PRESTO® Conditioning / Humidity Chamber - Prima Series

The PRESTO® Conditioning Chamber is an ideal environment chamber with the latest technology used to create the designated temperature & humidity. It has the lowest heat loss ratio & max thermal efficiency due to high quality of insulation with imported PUF, Ergonomics and user ease are given a lot of importance while designing the system. Advanced feather touch panel with USB port.

Technical Specification :

- **Inside Size :** 455mm x 455mm x 710mm
- **Humidity :** Range 65% - 95% ($\pm 5\%$)
- **Temperature Range :** 15°C to 60°C ($\pm 2^\circ\text{C}$)
- **Inside and Outside Stainless Steel**
- **Temp. Control :** PT 100 Sensor
- **Communication for data output :** USB Port
- **Humidity & Temp. Controller :** 4.3" HMI Touch Screen with PLC control
- **Timer :** Incorporate in HMI Screen. Timer to cut off Chamber after set no of hours.
- **Compressor :** CFC free refrigerants & air cooled compressor.
- **History Record :** Data logging (Date, Time, Temperature & Humidity)

* Other sizes are available on request.



Model : PCC 800 PRIMA

Test Report :

DATE	TIME	TEMP.	HUM.
18/12/15	15:29	35.1	53.6
18/12/15	15:28	35.1	52.9
18/12/15	15:27	35.1	51.9
18/12/15	15:26	35.7	54.2
18/12/15	15:25	35.7	49.4
18/12/15	15:24	35.8	49.2
18/12/15	15:23	35.2	49.3
18/12/15	15:22	35.9	53.2
18/12/15	15:20	72.5	18.8
18/12/15	15:48	35.3	50.1
18/12/15	15:19	35.3	49.7

Test Report

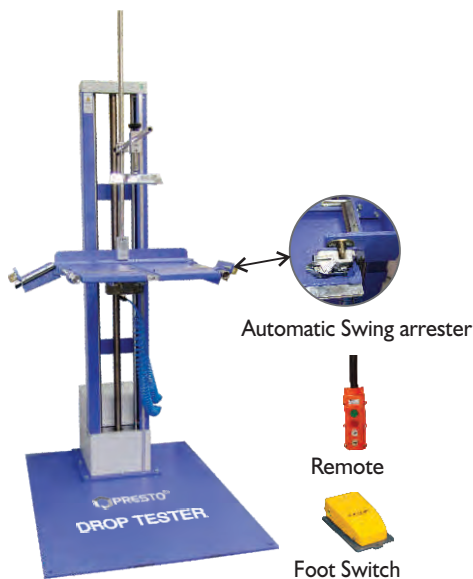


Model HDT / VSP 500

PRESTO® Heat Deformation Tester - HDT / VSP

Heat Deformation – HDT/VSP Tester is a consistent tool useful for determining the ability of a given polymer to bear load at elevated temperatures. Accurate and reliable deflection or deformation is important component in plastics industry.

- Equipped with 2 stations to measure Deflection temperature and Vicat Softening temperature
- Precise measurement through Dial Gauge
- Used for testing with both water and silicone oil
- Advanced Digital Microprocessor based PID temperature controller
- Inbuilt Auto tuning function
- Fast Guiding Mechanism with plunger rod
- Temperature range : Ambient to 300 °C.
- Weights : Weights ranging from 50 N, 10N & 968 gm, 38 gm
- Power : 230 Volts, 50Hz, single phase.



Model PDT - 0135

PRESTO® Drop Tester Motorised / Pneumatic

Drop tester Motorised / Pneumatic is a reliable instrument that can be used for analyzing the ability of the packaging containers to withstand the drops faced by them during transit and shipping (As per IS:7028 Pt IV). Provision with angular drop arrangement to ascertain the transport worthiness of the package from all angles. Suitable for Boxes, Jerry cans.

- Load : Upto 50 Kg (Other loads on request)
- Remote controlled Pneumatic test operation.
- Motor : Single phase, 1440 RPM
- Straight and Angular Drop tests can be performed on a single Instrument
- Provision to lift up test platform by motorised guide mechanism.
- Over travel protection by safety limit switches.
- Drop Height : 500 mm (adjustable upto 1800 mm)
- Customized capacity available.



Model PDT - 0134

PRESTO® Drop Tester

Drop tester is a reliable instrument that can be used for analyzing the ability of the packaging containers to withstand the drops faced by them during transit and shipping (As per IS:7028 Pt IV). Provision with angular drop arrangement to ascertain the transport worthiness of the package from all angles. Suitable for Boxes, Jerry cans.

- Provision to lift up test platform by guide mechanism
- Drop Height adjustable clamp
- Straight and Angular Drop tests can be performed on a single Instrument
- Drop Height : 500 mm (adjustable upto 1800 mm)
- Load : Upto 50 Kg
- Customized capacity available.





PRESTO® Dart Impact Tester Touch Screen - Prima

Dart Impact Tester Prima Series is a consistent tool for determining the impact of a free falling dart on a plastic film. 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.

- **HMI based Touchscreen Display** with tilted panel for effective visualisation
- Integrated **Test Pass/Fail criteria** with **Impact energy in Joules**
- Export test report in Excel format, User name, Test method, Failure mass, Impact energy, Date, Time of test
- **Maximum weight holding capacity of Dart Holding Mechanism 2 Kg**
- **Sample Clamping** : Pneumatic
- **Inner Diameter of clamp** : 127 mm
- **Diameter of Dart head** : Method A – 38 mm, Method B – 50 mm
- **Drop Height** : 660 mm and 1524 mm (Adjustable)
- **Length of Dart** : Method A – 212.8 mm,
Method B – 226.5 mm
- **Dart Head Material** : Special Silicate



Model PDT - 350 (Prima)

PRESTO® Dart Impact Tester Digital

Dart Impact Tester is used for determining the energy that causes plastic films to fail under specified conditions of impact of a free falling dart. The dart has a hemispherical head and can be dropped from variable heights, Its held by a strong electromagnetic Dart holder which releases it at the press of a button.

- **Sample Holding** : Vacuum pump
- **Vacuum Pump Type** : Oil Pump, 1/4 HP
- **Inside diameter of clamp** : 127mm
- **Specimen size** : Strips of 240 mm
- **Release Mechanism** : Electro Magnetic
- **Diameter of dart head** : 38mm
- **Weights** : 5 gms to 90 gm (Steel Weights)
- **Height of fall** : 660 & 1524 mm (Adjustable)
- **Counter** : Digital

Standard : ASTM - D1709, ISO 7765



Model PDI - 350

PRESTO® Hot Tack Tester - Prima Series

Hot Tack Tester is a consistent tool used to perform Hot Tack & Heat Seal performance test of laminated films, plastic films, adhesive tapes and other similar Flexible plastic products. PRESTO Hot Tack Tester is manufactured under various Test Standards such as ASTM F 1921, ASTM F 2029.

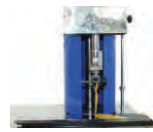
- Excellent system controls with latest HMI Based Touch Screen display.
- Preset Timer function incorporated in HMI for accuracy and repeatability.
- Highly accurate test results under pneumatic pressure control.
- Strong heating jaws for performing tests
- No slippage in case specimen is tightened uniformly using clamping knobs without any loops.
- USB option available for storing test data.
- Speed Control through flow control valve
- PID temperature controller setting through HMI control.
- Fully automatic test after simple setting.
- Easy to access inbuilt self calibration facility.



Model : HTTP - 63 Prima



Model PPSS - 2000



90° Angle Fixture



180° Angle Fixture

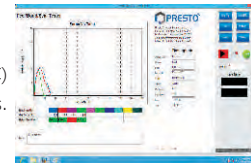
PRESTO® Peel / Seal Strength Tester - Digital

Peel / Seal Strength Tester - Digital used for checking the Peel, Adhesion, Bond, Seal Strength testing for Plastic Films/ Laminate and Foil. Designed as per standard ASTM D-1876.

- Microprocessor based display.
- Highly accurate test results under elongation force
- Strong gripping clamps to perform Peel test at 180 degree.
- **Capacity** : 20 Kgf (other capacity available), **Least Count** :2 gm
- **Speed** : 300mm / min.

Optional :

- * Computerised model also available Model PPSS-2000(C)
- * Highly recommended for BOPP Tapes, Foil & Labels.
- * 90° & 180° Test can be done with separate optional fixtures .
- * Computer & Printer not part of the offer.



Model PLHS - 23 Prima

PRESTO® Laboratory Heat Sealer

Laboratory Heat Sealer is a pneumatic model with adjustable pressure and adjustable temperature. (Digital Display/ Microprocessor based) Both jaws with separate temperature sensors and controllers can be heated separately at different temperatures also. User can even switch off one heater and keep the other on heat. Special Imported P.I.D. based Temperature Controller for highest levels of control and repeatability. With adjustable dwell time 0.0 to 999 Seconds (Digital Display / Microprocessor based)

- **Seal Pattern** : Straight lined/Plain/Diamond
- **Range** : Ambient to 350°C
- **Least Count** : 0.1°C
- **Length** : 150 mm
- * Optional 300 mm & 500 mm also available.
- * Please confirm type of Sealing Pattern at the time of order

Three type of jaws to choose from :

- A. Plain
- B. Diamond Knurled
- C. Straight line



Model PLHS - 22

- * Please confirm type of Sealing Pattern at the time of order

PRESTO® Laboratory Heat Sealer

Laboratory Heat Sealer is a pneumatic model with adjustable force. 15 to 180 Kg and adjustable temperature. (Digital Display/ Microprocessor based) Both jaws with separate temperature sensors and controllers can be heated separately at different temperatures also. User can even switch off one heater and keep the other on heat. Special Imported P.I.D. based Temperature Controller for highest levels of control and repeatability. With adjustable dwell time 0.0 to 999 Seconds (Digital Display / Microprocessor based)

- **Seal Pattern** : Straight lined/Plain/Diamond
- **Range** : Ambient to 250°C
- **Least Count** : 0.1°C
- **Length** : 150 mm
- * Optional 300 mm & 500 mm also available.

Three type of jaws to choose from :

- A. Plain
- B. Diamond Knurled
- C. Straight line



Model PRC - 101

PRESTO® Grammage Checking Kit

GSM Round Cutter is a consistent tool useful for precise circular cutting of samples. Used to check the grammage of various sample it cuts a sample with 100 sq.cm size rapidly and accurately.

- High Quality Aluminum pressure die casted main body
- Light weight and resilient
- Heavy Duty German Cutting Blades
- Available with Safety Latch Facility

Digital GSM Balance Table Top high accuracy balance

- **Capacity** 200gm • **L.C.** - 0.01 gm
- * Weighing Scale with Least count 1mg & 0.1 mg also available.





Thermal Shock Test Chambers

Meant to test plastics and polymers subjected to sudden changes in temperatures. These are manufactured in strict accordance with various popular standards, using the best of materials and components.

Control: Touchscreen HMI

Construction: Outside high strength MS sheet fabrication with powder coating, inside high quality SS sheet. **Insulation:** Rigid PU plus glass-fiber

No of Zones: 2 or 3

High Temperature Chamber: +60 to 200°C ±1°C

Low Temperature Chamber: +20 to -70°C

Transfer Time: ≤ 10 sec

Transfer basket volume: 200 lit

Cyclic program: yes

Circulation fan: yes

Evaporator: Fin type, high performance

Temperature Vs Time curve: yes with graphical display

Power: AC, 3 Phase, 400 V, 50 Hz.



Environment Chamber/Cyclic Temp. & Humidity Test Chamber

Programmable Temperature & Humidity Test Chamber PTH225 is designed to create targeted environment/climatic conditions meant to test materials, components, and products for reliability and endurance

The chambers comply to most common standards for a variety of industrial and medical products.

Technical Specification:

Internal space	WxDxH= 600x500x750mm , 225 Lit.
Temperature range	-40 °C ~ +150
Temperature uniformity	± 2 °C (empty chamber)
Temperature fluctuation	± 1°C (empty chamber)
Humidity range	20% ~ 98%RH
Humidity uniformity	± 3 %RH
Ramp rate	Up 1 ~ 3 °C/min, Down 0.7 ~ 1°C/min
Communication	USB
Materials	Internal: SUS304 stainless steel Insulation: PU foam , External: SUS304 SS



Model PTH - 225

PRESTO® Ultra Low Temperature Freezer (Deep Freezer)

Ultra Low Temperature Freezers are equipped with air cooled compressor and CFC free refrigerators to give the efficient cooling and flow in the cabinet. High capacity air cooled condensers with aerodynamically shaped fans and washable concessive filter keeps it free of dust to maintain utmost cooling efficiency.

- Temperature control through PT-100 sensor
- Highly accurate test results under uniform cooling temperatures in the chamber
- High Grade imported PUFF insulation
- Maximum Thermal Efficiency by insulation means and double gasket seal
- Durable Stainless Steel Interiors
- Capacity : 125 litres (Other capacity on request)
- Display : LCD (Digital)
- Accuracy : ± 2°C
- Least Count/Resolution : 0.1°C

Temperature Range : -10 °C, -20 °C, -40 °C, -60 °C, -86°C
(As per Requirement)



Model - Prima Series



Model PSPL - 855 & 856



Model PSPL - 852



Model PSO - 451

- Model with temp. max. 300°C also available.
- * Other sizes are available on request.

PRESTO® Accelerated Weathering Tester

This simulates the effect of sunlight with fluorescent ultraviolet (UV) lamps. Types of damage include fading, colour change, chalking, cracking, crazing, embrittlement strength etc.

Indoor weathering instruments test for moisture, humidity and temperature. PRESTO UV weathering chamber with enhanced HMI feature gives operators more flexibility and control of accelerated weathering testing.

The UV weathering chamber is the perfect weathering instrument for large capacity, accelerated laboratory weathering.

- Fluorescent UV Lamps as testing light source
- Irradiance controlled automatically (within closed loop system)
- **Alarm and protection** : Creep - age, water breaking, over loading, over temp. Real time data collection
- **Temperature Range** : Black Panel Temperature (BPT) : RT + 10°C ~ 100°C

Standards :

ASTM D4587-11, ASTM D 4329-13, ASTM G - 151-10
ASTM G - 154-12a, ISO 4892-3;2013



PRESTO® Bench UV Light Accelerated Weathering Tester

Bench UV Accelerated Weathering Tester - Touch Screen is a consistent tool that reproduces and is useful for checking the damaged caused by sunlight, rain and dew. This instrument provides simulation of accelerated ageing and designed to assess the ability of molded/extruded rubber products to various environmental factors by using UV lamps, water spray and fluorescent lights.

- **Excellent system control with latest HMI touchscreen**
- **Temperature setting and Preset Timer functions incorporated in HMI** for accuracy and repeatability.
- **Program profile for selecting test parameters and performing the test.**
- **Display of test time, chamber temperature, spray time, accumulated time.**
- **Solid state digital Programmable Temperature Controller & Corrosion resistant PT-100 sensor**
- **Maintain rapid resumption of water spray and humidity during continuous circulation**
- **Water Level Alarm system**
- **Chamber Temperature Range** : RT ± 10°C ~ 80°C
- **Chamber Temperature Least Count** : 0.1°C
- **Chamber Temperature Repeatability** : ± 2°C
- **Timer Range (Test Temperature)** : 1-99999 hr
- **Rated life of lamp** : 1600 hr
- **Max. Irradiance UVA lamps** : 0.7 W/m²
- **Max. Irradiance UVB lamps** : 0.4 W/m²
- **Speed of sample rotating frame** : 3.7 rpm

PRESTO® Hot Air Oven

Hot Air Oven has a controller with special T/P action to avoid overshooting of temperature. Stainless Steel Inside Chamber, Outer is Mild Steel powder coated.

Complete with Hot air blower and Digital Temperature Indicator cum Controller. A separate control panel housing all indicators is provided on the side of the main body allowing easy maintenance and accessibility Aesthetically designed for long life and comfortable usage. **Two Stainless Steel adjustable trays** are provided for sample storage.

- **Size** : 18 inch x 18 inch x 18 inch inside.
- **Maximum Temperature Range** : Ambient - 250 °C
- **Electrical Requirement** : 230 Volts; 50 Hz; single phase.

Optional :

- Digital Pre Set Timer 999 Hours with Memory back up.
- Chart Recorder.
- Prima series also available i.e computerised
- * Non Stop Oven Testing for Maximum 8 Hours.
Longer duration Tests please opt for Ageing Oven. Ask for details .





PRESTO®
Testing Instruments
Presto Stantest Pvt. Ltd.

PRESTO® Carbon Black Content Apparatus

Carbon Black Content Apparatus is commonly used for determining the Carbon Black content in polyethylene and polypropylene materials. The test is applicable only to samples where carbon is present in a free state. As per ASTM D-1603, IS 4984 and IS 2530 to determine carbon black content of plastics.

- **Size of furnace** : 10 inch x 8 inch x 8 inch
- **Material of construction** : Mild Steel.
- **Temperature range** : Ambient to 1150 °C
- **Paint**: Powder coated.
- **Power**: 230V, 50Hz, single phase.

Accessories : Desiccator, Glass U tube, Combustion tube, Combustion boat Rotometer, Rubber tube 1 no., Glass end caps 2 nos. and Glass traps 3 nos.



Model CBC - 165



PRESTO® Muffle Furnace Touch Screen - Prima

Muffle Furnace Prima Series use to evaluate the amount of inorganic compound in a particular test specimen like rubber, elastomers.

- Temperature range : Ambient to 900°C with $\pm 5\%$ accuracy
- Temperature sensing through J-type sensor.
- Highly accurate test results under uniform temperatures.
- PLC Control for Temperature.
- High Grade density imported Glass Wool Blanket insulation.
- Maximum Thermal Efficiency by insulation means.
- Real Time Data recording with temperature.
- USB option available for storing test data.
- Run time vs temperature graph.
- Over Temperature alarm system.

Optional : Range upto 1200°C also available on request.



Model MF - 4 (900) Prima

PRESTO® Muffle Furnace Digital

Muffle Furnace is used in material's heat treatment, resolution, reaction at high temperature and ash analysis.

Technical Specifications :

- **Controlling** : Digital Temperature Controller cum Indicator
- **Maximum Temperature Range** : Ambient - 900°C
- **Power Requirement** : 220V Single Phase 2.5 KW
- **Inside Dimensions** : 100mm x 100mm x 225mm

Optionals :

- Digital Timer
- Range upto 1200°C also available on request.
- Other sizes available as per requirement.



Model MF - 4 (900)

PRESTO® Digital Specific Gravity Balance

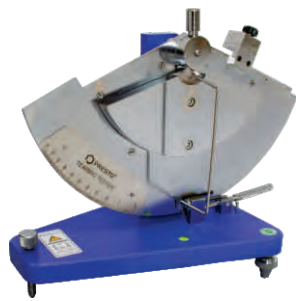
Specific Gravity of any elastometer is of considerable importance for its identification. It can also be used for providing a rough assessment of its physical properties. It can also be used for finding if the sample and the product are prepared from the same compound or not. Based on the Archimedes principle.

- **Range** : 1.0 to 3.0,
- **Least Count** : 0.01

* Other ranges of 0.001 also available as per order.



Model SP - 202



Model PTT - 156

PRESTO® Tear Tester (Elmendorf Type)

Tear Tester (Elmendorf Type) is useful for determining the tearing resistance of Paper/Film. Complete with 1600, 3200 & 6400 gm Loading Scales and Calibration Check Weights.

- Clamping surfaces of Clamp : L-35.5mm x M-15.5mm
- Distance between clamps : 2.5 ±0.25mm
- Tearing Distance : 43 ±0.15mm



Model PTT - 156 Prima

PRESTO® Tear Tester Touch Screen - Prima

Tearing Strength Tester is a consistent tool useful to determine the tearing strength of fabrics, plastic films and similar materials. Tearing Strength Tester is the tensile force required to rupture a pre-slit sample under controlled test conditions. PRESTO Tearing Strength Tester is designed as per standards ASTM D1424-09(2013), ASTM D624-00(2012), ASTM D1776, ASTM D689.

- High Quality rugged structure with corrosion resistant main body
- Pneumatic specimen clamping and automatic release of pendulum
- One touch hassle free operation
- Highly accurate test results under multiple pendulum weights
- Strong gripping fixture for holding test samples
- configurable display for result and reporting
- Inbuilt calibration weights
- Test Results include tear strength, tear per ply, average tear strength



Model Magnamike - 8600

Wall Thickness Gauge Digital - Magnamike 8600

Wall Thickness Gauge Digital is an easy to use thickness gauge that utilizes a magnetic method to make fast, accurate and repeatable measurement on non ferrous materials. Non-destructive testing for measuring the wall and the base thickness on bottle & polymer components with complex shapes without cutting. It can also measure preform thickness.

Internal Alphanumeric Data logger, Including :

- Standard Probe with Hall effect sensor
- Probe Stand & Cable
- Pocket Reference Card
- NI Cad Rechargeable Battery
- External power Supply / Charger
- RS 232, USB Com, SD card slot.
- Interface Program - Windows based.
- Calibration Kit.
- Designed with IP67 rating
- Expanded alphanumeric data logger
- Low and high reading Alarm
- Ability to export file to MicroSD card in .txt and CSV format
- Strip Chart view
- Inbuilt Calibration Facility
- Selectable measurement units - mm or inch
- Ability to store Thickness readings in one of standard file formats - Incremental, Sequential, Sequential with Custom point, 2-D grid





PRESTO®
Testing Instruments
Presto Stantest Pvt. Ltd.

PRESTO® Environmental Stress Cracking Resistance Tester

Environmental Stress Cracking Resistance Tester is used to detect the change in the physical characteristics of plastic material and to ascertain the actual working life at environmental stress. As per standard ASTM D1693-15.

- Advanced Digital Microprocessor based PID temperature controller
- Inbuilt Auto tuning function with Six. No. of stations
- Rapid heaters for uniform and homogenous heating
- Stirrer motor for precise stirring of sample
- Temperature Range : From ambient to 250°C.
- Inner body: Stainless Steel. Outer body : Mild Steel duly powder coated.

Accessories : Cutting die, Nicking jig, Bending cum transfer tool and Aluminium foil, Specimen holder, Test tube and Rubber corks.



Model PEC - 1001

PRESTO® Digital Moisture Analyzer - M 95

Moisture Analyzer incorporates state-of-the-art halogen heating with precision weighing technology to quickly, effectively and affordably measure moisture content. Perfect for the pharmaceutical, chemical and research industries for consistent accuracy during testing.

- Thermogravimetric based technology for checking moisture content
- Selectable Drying profile – Fast, Ramp, Step
- LCD digital display Built in RS 232 communication interface
- In built Calibration facility
- Capacity (metric) : 90 g
- Readability (metric) : 0.001 g
- Repeatability (Std. Dev.) : 0.18% (3g sample), 0.02% (10g sample)
- Timer : 1 - 120 minutes, auto/manual
- Temperature settings : 50° to 200° in 1°C increments
- Moisture Range : 0.01 to 100% (0.01 to 1000% regain mode)



Model M - 95

PRESTO® Co-efficient of Friction Tester (Static & Dynamic)

Co-efficient of Friction Tester is primarily designed to determine the Co-Efficient of Friction of Plastic films, Sheets, Laminate, Pipes and paper etc. The equipment provides measurement of static and kinetic co-efficient of friction.

The apparatus conforms to ASTM D-1894 and other equivalent standards.

- Microprocessor based display for accurate test results
- Slider Block for performing tests – Sample to Sample, glass or metal
- Highly accurate test results under sliding friction.
- Bright LED display with Feather touch controls

Optional :






- Computerised Model also available Model PCOF-159 ©

* Computer & Printer not part of the offer.



Model PCOF - S03

Our Other Products :

				
Vacuum Leak Tester Digital	Colour Matching Cabinet Spectrum I	Shore A Hardness Tester (Digital)	Weighing Balance	Bursting Strength Tester

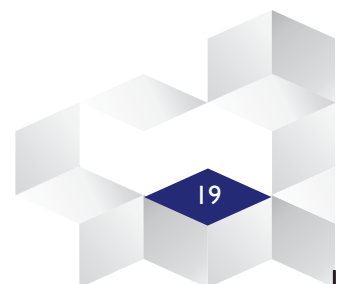


Strong Business with Strong Association

Some of the Industry Giants Trust us with their Quality



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Customer Speak Dil Se



A representative from Presto Stantest is regularly visiting our plant and ensuring that our all instrument are always operational. He has explained us about new equipment's developed by his company Presto Stantest Pvt Ltd. He has taken extra pain to explain us about proper use of equipment By his regular Feedback and Training all our equipment's are giving the proper results. His regular visit to our plant helps us to maintain our equipment's in right

~ **Maneesh Bhatnagar** - GM Quality



Thanks for your Service and Support in completing the installation and training at our Facility. This marks a key role of Presto in the new QA Lab for our Facility at Sricity which is operationalized. Hope PRESTO will continue good & immediate services as and when required in future too.

~ **Sudheer Padala**



We are pleased to issue this appreciation letter to presto stantest pvt ltd. For the excellent support they have provided us for the testing instruments supplied by them. We acknowledge the association with the organization and wish them all the very best for the future

~ **MANAGER** (QUALITY ASSURANCE)



After searching for many companies for package testing instruments, we finally came to know about Presto that was working in the field since past more than 35 years, having good infrastructure & after sales service besides modern manufacturing facility. The answer was immediately clear to buy from Presto since their machines last a life time & we are very happy with their product & services, money well invested.

- **Rahul Singhal** - Director Packaging India



I would like to thank Presto for providing such an impeccable quality testing instruments. By testing the products with these testing instruments, I got easier product approvals. Highly recommendable products at affordable prices

~ **Mohammad Arif**

Head Office :

Presto Stantest Private Limited

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