



Presto Stantest Pvt. Ltd.

I-42, DLF Industrial Area Phase-1, Delhi Mathura Road, Faridabad 121003, Haryana, India

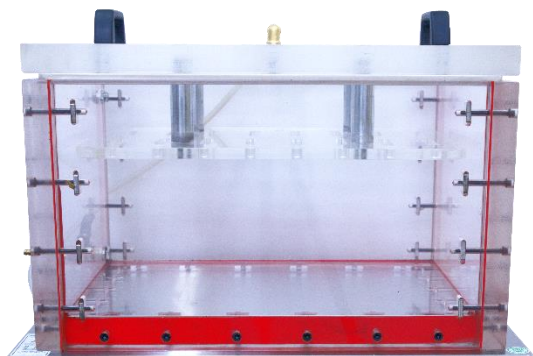
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Pouch Burst Tester with desiccator – HMI



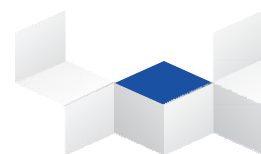
The **Pouch Burst tester** is designed to evaluate the, **seal integrity and leakage resistance** of flexible packaging pouches, sachets, laminated packs and sealed packets. The instrument applies a controlled internal Pressure force on the filled or sealed pouch to check whether the pouch can withstand external pressure during **stacking, transportation, handling and storage**.

The pouch is placed inside the water in a test desiccator, and sample is internally pressurized upto a pre-set time of Pressure and holding that pressure for a specific time. This gives more stable and repeatable test results. The machine is suitable for testing packaging used in food, pharmaceutical, cosmetic, chemical and FMCG industries.

During testing, the machine measures the load applied on the pouch and helps identify the point at which the pouch shows **leakage, seal failure, bursting, deformation or rupture**. It is useful for quality control of pouch sealing strength and overall pack performance.

Features:

- 1. Suitable for flexible pouches and sachets**
Used for compression testing of laminated pouches, liquid pouches, powder pouches, sachets and sealed flexible packs.
- 2. Integrated with Wet desiccator**
The water desiccator is a transparent leakage testing chamber used with a pouch burst tester to detect pinholes, seal defects, and leakage points in flexible pouches by observing bubble formation under water.
- 3. HMI Display**
Equipped with a HMI display/control panel for easy operation, load reading and test monitoring.
- 4. Accurate load measurement**
Load is measured through a calibrated load cell for reliable and repeatable compression test results.





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5. Peak load indication

The machine can display the maximum load achieved during the test, helping to identify pouch failure strength.

6. Strong and rigid construction

Designed with a sturdy body to avoid vibration and ensure stable testing performance.

7. Easy sample placement

Open platform design allows convenient placement and removal of pouch samples.

8. Useful for seal integrity testing

Helps check whether pouch seals can withstand pressure without leakage or bursting.

9. Quality control friendly

Suitable for routine testing in packaging laboratories, production QC departments and R&D labs.

10. Simple operation

User-friendly design makes it easy for operators to perform tests with minimum training.

11. Repeatable test method

Restraining plates help maintain consistent sample position, improving repeatability between different samples.

Key Specifications:

Test type	Pouch compression / burst resistance with restraining plates
Test Desiccator size	420 x 280 x 150 mm
construction	Heavy-duty Steel powder coated
Display / Control	Touch screen HMI
Operation	User-friendly touch-based operation
Data access	USB port provided for data transfer / report export
Test result	Displays peak pressure / compression value as per machine configuration
Sample placement	Easy placement of pouch
Application	Flexible pouches, sachets, sealed packs, food packs, pharma packs, laminate pouches
Safety	Controlled test operation with stable plate arrangement
Repeatability	Helps achieve repeatable testing by restricting pouch expansion
Result analysis	Helps identify weak sealing area, leakage, burst point, or pouch failure

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OUR OTHER PRODUCTS :-

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

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