



Presto Stantest Pvt. Ltd.

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Pouch Burst Tester with Restraining Plates



The **Pouch Compression Tester with Restraining Plates** is designed to evaluate the **compression strength, seal integrity and leakage resistance** of flexible packaging pouches, sachets, laminated packs and sealed packets. The instrument applies a controlled compressive force on the filled or sealed pouch to check whether the pouch can withstand external pressure during **stacking, transportation, handling and storage**.

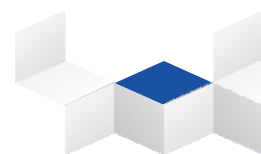
The pouch is placed between the compression area and the **restraining plates**, which help to hold the pouch in a controlled position and restrict excessive bulging during the test. This gives more stable and repeatable test results. The machine is suitable for testing packaging used in food, pharmaceutical, 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. Restraining plate arrangement**
Provided with restraining plates to control pouch expansion and maintain uniform testing conditions during compression.
- 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
Restraining plate size	410 x 310 x 40 mm
Plate construction	Heavy-duty rigid plates for uniform restriction during test
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 between restraining plates
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

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



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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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