



Presto Stantest Pvt. Ltd.

I-42, DLF Industrial Area Phase-1, Delhi Mathura Road, Faridabad 121003, Haryana, India
P : 9210 903 903, +91 129 4272727, 93111 24302 E : info@prestogroup.com

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PRESTO BURST GENIE 4.0 COMPUTERIZED



PRESTO BURST GENIE 4.0 COMPUTERIZED

- Presto Burst Genie 4.0 is an automatic Bursting Strength Tester device used to measure the Bursting strength & bursting factor of packaging materials like paper, cardboard, and corrugated sheet to rupture under pressure.
- It operates by applying hydrostatic pressure uniformly to a test sample until it bursts, allowing accurate assessment of material durability and strength.
- The automatic feature enables precise and consistent measurements, reducing human error and increasing efficiency.
- Key applications include quality control in Paper & packaging industries.

FEATURES

- Auto Reversal Mechanism
- Calculated Test Result
- Pass Fail Criteria
- Auto Average Calculation
- Bar Graph
- Line Graph
- Easy Calibration
- Low Maintenance
- Robust Design
- Hydrostatic Pressure application
- Bigger LCD Display
- Specimen profile creation
- Test Mode
- Multiple test unit
- Auto test Function
- Software Controlled
- Auto Peak Detection

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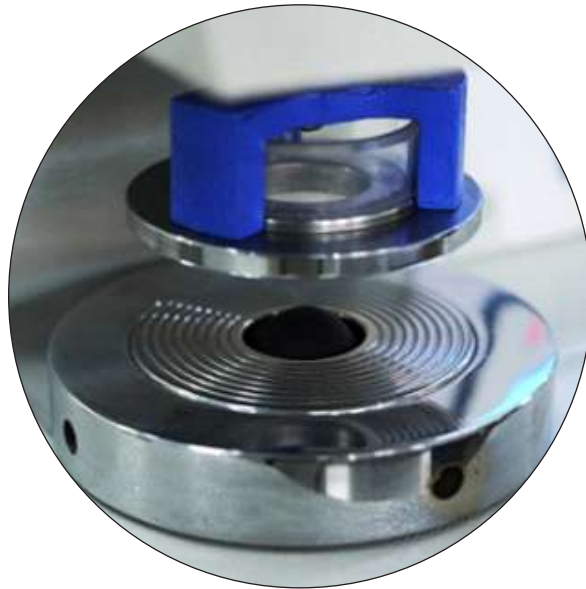
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HYDROSTATIC PRESSURE APPLICATION

- The tester typically uses either a hydraulic system to apply pressure to a sample until it bursts.
- As per TAPPI standard hydraulic system is known for its accuracy and consistency in pressure application.



BIGGER LCD DISPLAY

- Presto provides 5" Liquid Crystal Display in burst genie 4.0.
- Bigger LCD Display provides real-time monitoring and results, such as the pressure applied and the bursting point.



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SPECIMEN PROFILE CREATION

- Creating a specimen profile before testing ensures accurate and consistent results by defining key parameters like material type, material id and Vendor name.
- It helps tailor testing conditions, reduces errors, and improves repeatability.
- Profiling also aids in tracking data for quality control and ensures compliance with industry standards.

Specimen Master

Specimen Details

Specimen Name *

Paper

Lot Number *

A4

Material Details

Material Type *

Paper

Grammage *

69.00

Acceptance Limit (Low) *

$\frac{\text{kg}}{\text{cm}^2}$ 0.70

Acceptance Limit (High) *

$\frac{\text{kg}}{\text{cm}^2}$ 1.30

Vendor Details

Vendor Name *

PRESTO

Vendor Address *

I 42

Discard

Update

TEST MODE

- Burst genie 4.0 provides Customer to select test mode selection feature According to test specimen for batter accuracy.
- There are two test mode provided in the machine –
- Paper Mode • Board mode

```
* Set Acceptance Limit High *  
1.Paper           :02.30 Kg/Cm2  
2.Board           :018.0 Kg/Cm2
```





MULTIPLE UNIT

Multiple testing units feature available in this model for bursting strength test-

1. Kg/cm²
2. PSI
3. BAR
4. kPa (Paper Mode)
5. mPa (Board Mode)

Default Burst Strength Units

This will change units throughout the software. In board mode, kPa will be automatically changed to MPa.

Kilogram-force per square centimeter

$\frac{\text{kg}}{\text{cm}^2}$

Kilogram-force per square centimeter

psi

Pound per square inch

bar

Bar

AUTO TEST FUNCTION

- Burst genie 4.0 provides Single push button operation.
- Customer can perform whole test process with a single push button.
- This models can automatically increase pressure and record the bursting strength without manual intervention, improving test consistency and reducing operator error.

SOFTWARE CONTROLLED

A bursting strength machine measures the durability and resistance of materials, such as paper, fabric, or cardboard, by testing their ability to withstand pressure until they burst. When software-controlled, this machine becomes more advanced, offering enhanced precision and automation. Key benefits include:

- Automated Testing
- Real-time Data Monitoring
- Customizable Test Settings
- Data Analysis and Reporting
- Error Detection





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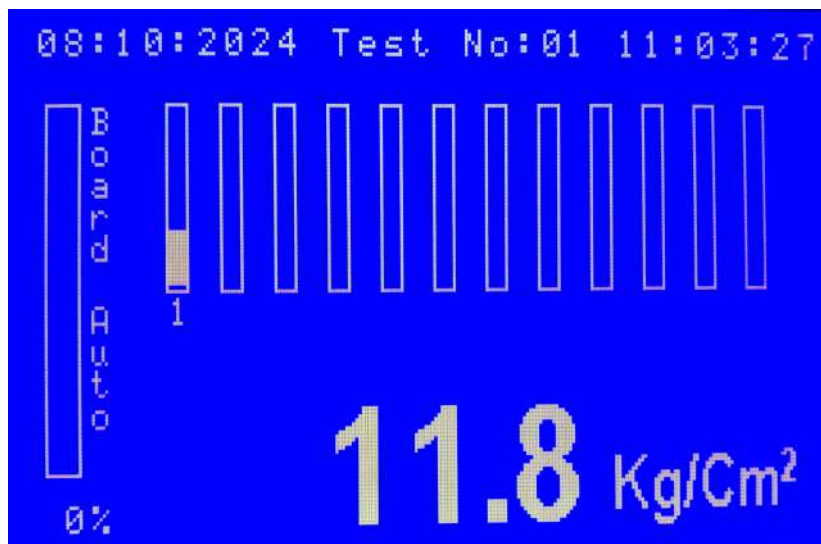
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AUTO PEAK DETECTION

- This models can automatically detect and record the peak bursting strength without manual intervention.
- It will improve test consistency and reduce operator error.



AUTO REVERSAL MECHANISM

This models will automatically stop after bursting of specimen and Machine diaphragm will return to home position without manual intervention.

CALCULATED TEST RESULT

- This bursting machine provides accurate results like bursting strength tester and
- Auto calculated bursting factor. Automatic calculation of results by this burst genie 4.0 enhances accuracy, eliminates manual errors, and speeds up the testing process.
- It ensures consistent, reliable data, simplifies analysis, and improves efficiency.

Test Results

#	Timestamp	Burst Strength	Burst Factor	Status	Remarks
Test 1	26-07-2025 11:05:20 am	1.15 kg/cm ²	16.67	Pass	—
Test 2	26-07-2025 11:05:59 am	1.29 kg/cm ²	18.70	Pass	—
Test 3	26-07-2025 11:06:26 am	1.27 kg/cm ²	18.41	Pass	—

Summary of Results

Accepted Samples:	3 (100.00%)			
Rejected Samples:	0 (0.00%)	of which	low: 0 (0.00%)	high: 0 (0.00%)
Total Samples:	3 (100.00%)			

Statistics of Accepted Samples

	Minimum	Maximum	Average
Burst Strength	1.15 kg/cm ²	1.29 kg/cm ²	1.24 kg/cm ²
Burst Factor	16.67	18.70	17.93





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PASS/FAIL CRITERIA

- This burst genie 4.0 provides feature to set pass/fail limits to the operator.
- It simplifies decision-making, reduces interpretation errors, and enhances quality control by providing consistent, objective results.
- This feature speeds up testing, ensures compliance with industry requirements, and streamlines the production process.

Test Details

Report generated for:
Testronix
I-10

Test Type: Burst Test

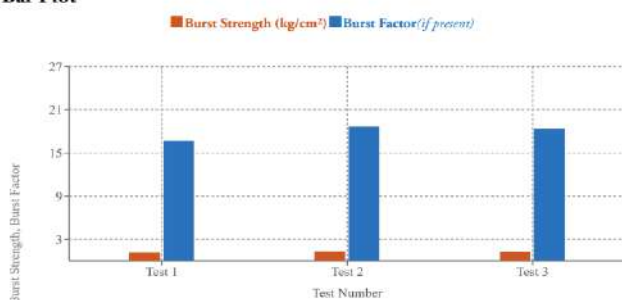
Test performed at: 26-07-2025 11:05:20 am
Report generated at: 26-07-2025 11:09:02 am

Specimen Details

Name: Paper
Lot Number: A4
Material Type: Paper

Grammage: 69.00 g/m²
Lower Acceptance Limit: 0.70 kg/cm²
Higher Acceptance Limit: 1.30 kg/cm²

Bar Plot



AUTO AVERAGE CALCULATION

- This burst genie 4.0 provides feature to Auto calculation of average bursting factor & bursting strength for accepted range.
- It simplifies decision-making and enhances quality control.

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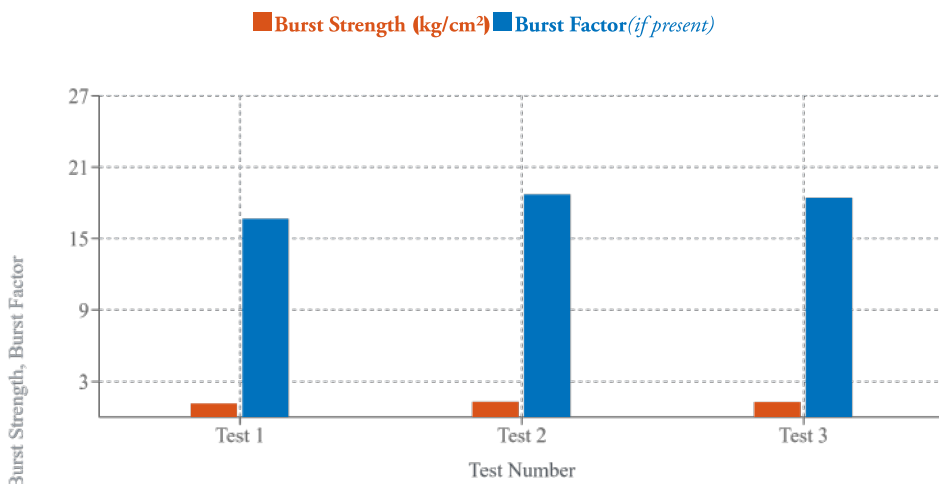
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BAR GRAPH

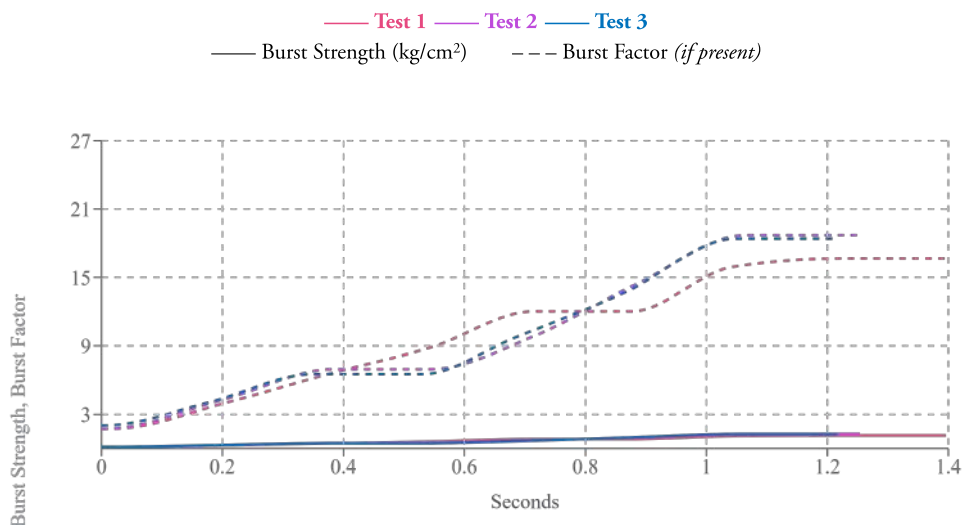
- This machine provides display of 12 Sample bar graph for batter analysis.
- Bar graphs in testing devices provide a visual representation of data, making it easier to analyze trends and compare results.
- They enhance clarity, simplify complex data, and support quick decision-making.

Bar Plot



LINE GRAPH

- This machine provides display of 12 Sample line graph for batter analysis of test behavior.
- Lines graph in testing devices provide a visual representation of data, making it easier to analyze Behavior of material.
- They enhance clarity, simplify complex data, and support quick decision-making.





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TEST REPORT

- This software-controlled bursting strength machine allows test reports to be exported in PDF format.
- This feature ensures easy sharing, archiving, and detailed documentation of test results, including pressure data, Bar Graph, Line Graph, material performance, and test conditions.



PRESTO STANTEST PVT LTD

Plot No. I-42, NH-19
Block C, DLF Industrial Area, FARIDABAD
HARYANA-121003, BHARAT
1122334455
info@prestogroup.com
prestogroup.com

Test Details

Report generated for:
Testronix
I-10

Test Type: Burst Test

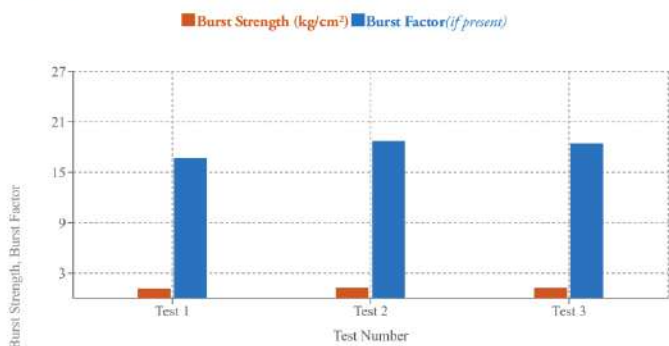
Test performed at: 26-07-2025 11:05:20 am
Report generated at: 26-07-2025 11:09:02 am

Specimen Details

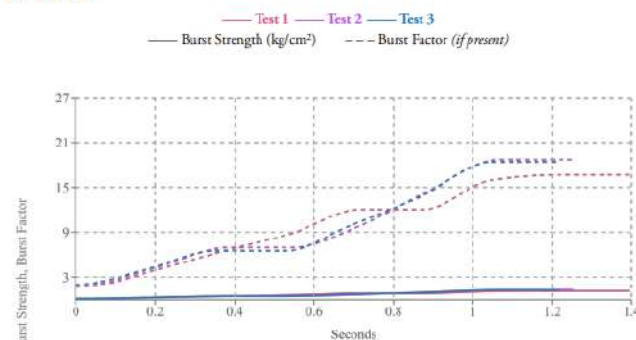
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Bar Plot



Line Plot



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Additional Comments

bst test

ROBUST CONSTRUCTION

- A robust design in this Burst Genie 4.0 ensures durability, accuracy, and reliability.
- Built with high-quality materials, it withstands heavy usage and environmental factors.
- Its sturdy structure minimizes vibration, improving precision in testing.
- Ergonomic features, easy maintenance, and long-lasting components enhance performance, making it ideal for demanding industrial \ applications.



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EASY CALIBRATION

Easy calibration feature provided with instrument on Paper & board mode separately for better accuracy

MAINTENANCE

- Presto burst genie 4.0 requires easy & low maintenance.
- This machine comes with standard maintenance kit that helps customer to maintain the machine easily.
- A low and easy maintenance feature in machines reduces downtime, minimizes repair costs, and extends equipment lifespan.



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



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OUR OTHER PRODUCTS :-

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

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