



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Thwing-Albert was instrumental in developing the Tissue Ball Burst method as a solution for several worldwide tissue paper producers. The Tissue Burst Tester is a precision, PC-controlled instrument that measures the wet and dry burst strength properties of tissue papers and tissue products, paper towels, nonwovens and other substrates.

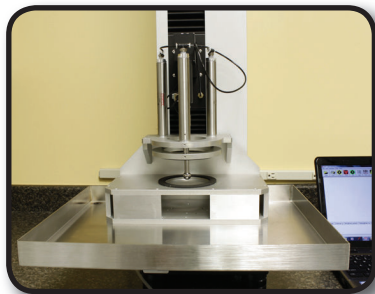
Dry Burst Strength is useful to determine strength required to avoid breaks or tears during manufacturing or converting.

Wet Burst Strength is a critical property as tissue and paper towel products are subject to aqueous fluid during normal use.

Utilizing MAP4 Materials Testing Software, test parameters are easily set-up. Test results can be printed and stored on a PC. Standard results provided include Burst Strength, Burst Displacement, Burst Energy, Total Burst Energy and statistics.

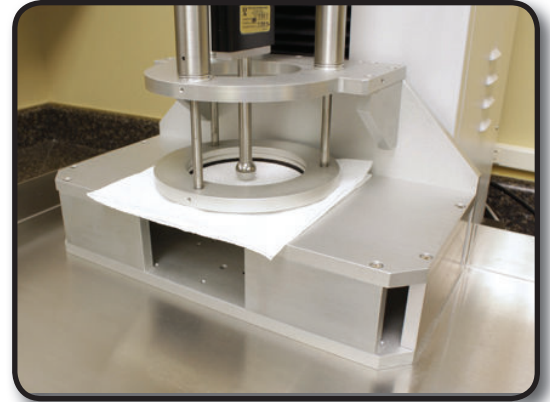
User-friendly Design

- Pneumatic Clamp allows safe and quick test set-up while eliminating possible sample slippage & operator fatigue.
- An opening of 2 inches (50.8 mm) provides ample space for loading samples on the test platform.
- An optional foot switch provides hands-free operation.



◀ Wet Strength Test Fixture enables the evaluation of materials under wet conditions.

Tissue Burst Vantage^{NX} Tensile Tester



▲ Maximizing efficient use of lab space, the Burst Tester is designed with a very small footprint.

Features

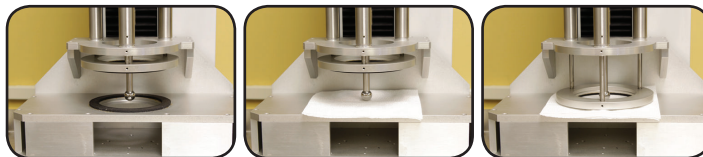
- Operating System Windows 7, 8, and 10
- One USB Interface to a PC
- Serial Load Cell Interface
- Pneumatic Clamp Provides Secure Hold
- Automatic Electronic Calibration
- Semi-Automatic Calibration
- Movable Test Control Panel
- Side Electronics Panel for Easy Serviceability
- Push-Button Auto Zero
- Standards:
ASTM D6548-00, TAPPI T570-00,
ISO 12625-9:2004, CEN 1265-9



Physical Specifications

	1900-2004
Width	254 mm (10 in)
Depth	419 mm (16.5 in)
Height	800 mm (31.5 in)
Net Weight	51 kg (112 lb)
Crosshead Travel	584 mm (23 in)

*Above Dimensions do not include PC.



Clamping Fixture:

Internal Diameter *(other sizes available)*
3.50 ± 0.01 in (88.9 ± 0.03 mm)

Outside Diameter *(other sizes available)*
6.50 in (165 mm)

Probe: Diameter *(other sizes available)*
0.625 in (15.9 mm)

Performance Data

Crosshead Guidance

Precision Ball Screw

Horizontal Clearance

Unlimited

Depth Clearance

89 mm (3.5 in)

Force Measurement

High precision 25 N or 50 N Load Cell

Force Accuracy

10% to 100% Load Capacity:
±0.25% Measuring Value

Less than 10% Load Capacity:
±0.025% of Load Cell Capacity

Force Resolution

16 Bit A/D to 0.1 N

Position Resolution

0.6 [m (0.00002 inch)

Position Accuracy

±2.5 [m/25 mm (±0.0001 inch/1.0 inch)
or 0.01% of Distance

System Control

PC-Based with USB interface

Operating System

Windows® 7, Windows® 8, Windows® 10

Crosshead Speed

1 to 1000 mm/min (0.05 to 40 in/min)

Speed Accuracy

±0.1%

Safety Features

Emergency stop button, upper & lower limit switches
with over-travel protection and load cell overload
protection

Power Requirements

110 VAC, 50/60 Hz

220/230 VAC 50 Hz

240 VAC, 50 Hz

Operating/Storage Environment

Air Temperature:

Operating: 10° to 50° C (50° to 122° F)

Storage: -25° to 70° C (-13° to 158° F)

Relative Humidity:

Operating: 10% to 85% (Non-Condensing)

Storage: 5% to 90% (Non-Condensing)

Specifications subject to change without notice.

Thwing-Albert Instrument Company

14 W. Collings Avenue, West Berlin, NJ 08091, USA

tel 856-767-1000 ■ fax 856-767-2615 ■ info@thwingalbert.com



www.thwingalbert.com

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