



## Thwing-Albert Instrument Company

*More than a Century of Testing Solutions*

Thwing-Albert developed the original Burst Tester over 25 years ago for several worldwide tissue paper producers. Active in the development of new test methods for standardized testing, Thwing-Albert was instrumental in developing the new Tissue Ball Burst method. 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.

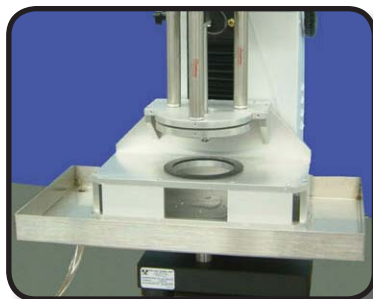
**Dry Burst Strength** is useful to determine strength required to avoid breaks or tears during manufacturing or converting.

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

Utilizing Simplicity or MAP 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.

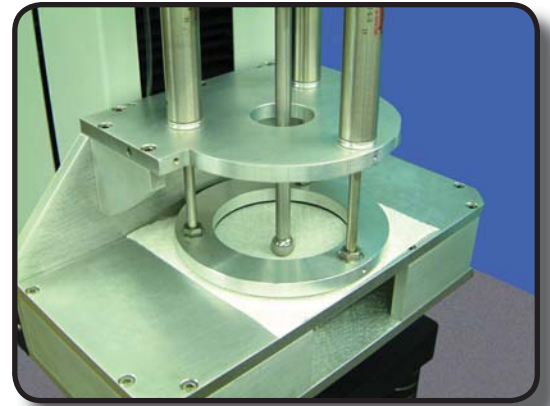
### *User-friendly Design*

- 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 Tensile Tester



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

### *Features*

- Operating System 2000/XP
- One Serial Interface to a PC
- No PC Interface Cards
- 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

	1750-BURST
<b>Width</b>	254 mm (10 in)
<b>Depth</b>	419 mm (16.5 in)
<b>Height</b>	800 mm (31.5 in)
<b>Net Weight</b>	51 kg (112 lb)
<b>Crosshead Travel</b>	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 serial interface (No PC slave cards)  
(PC not included)

*Specifications subject to change without notice.*

### Operating System

Windows® 98/NT/2000/XP

### 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)

**Thwing-Albert Instrument Company**

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Registered Company