



## AirBurst Bursting Strength Tester

Bursting strength testers are usually categorized as hydraulic or pneumatic. This AirBurst pneumatic tester tests the strength of textiles, films, paper, and foam. It has a simple structure, so it is easier to operate and maintain. HydroBurst hydraulic tester is for tests that need higher and more stable pressure. This includes tests on high-strength textiles and leather.

Principle of the AirBurst Bursting Strength Tester: clamps the sample on the diaphragm. It applies air pressure beneath the diaphragm. A high-precision sensor monitors the pressure in real-time. The control panel displays the pressure data. The air pressure will increase. The sample will eventually rupture. It will happen under a certain pressure. This pressure is the maximum atmospheric pressure at the moment of rupture. This pressure is the bursting strength of the sample. The instrument records and shows the value.

Four test modes are available: constant speed, constant pressure, constant dilatancy, and timed expansion. They can better show how much the sample resists expansion.

# AirBurst

## Bursting Strength Tester



- **Precise and reliable testing.**

The pressure measurement section uses a high-precision laser sensor. It has an accuracy of up to 0.2 degrees. This means the error is 0.2% of the maximum range.

- **Longer sensor life.**

The Panasonic laser displacement sensor is also used. It has no rod, so it is easier to change the test cup and is hard to damage.

- **Connected to SmarTexLab, test results can be uploaded to ERP or LIMS.**

The AirBurst can connect to the SmarTexLab App made by ChiuVention via Wi-Fi. This connection allows you to set parameters or watch the test from your phone. And the test results will also be sent to SmarTexLab and you can export them to a computer or print them. Also, it can link to an organization's ERP or LIMS to enable paperless and smart testing. All these things improve the textile laboratory's quality management.

- **Intelligent Recognition System for Test Cups**

When replacing the test cup for testing, the system will recognize the model of the current test cup. It will then switch the test parameters without manual input. This greatly improves work efficiency.

- **Eco-friendly and easy to maintain.**

Using air as the pressure medium makes it eco-friendly and harmless.

The pneumatic tester has a simple structure. It's easier to maintain and service than the hydraulic type.

- **Wide range of applications**

It applies to the textile industry. This includes many common fabrics and non-woven fabrics. It also applies to packaging materials, such as film, paper, and foam.



**Power**

AC 220V 50HZ



**Weight**

120kg



**Dimension**

600\*360\*660 mm (L\*W\*H)

**Specification**

Maximum air pressure	1.5 MPa
Measurement accuracy	±2% FS
Measuring range	0.01~1.5 Mpa
Test head area	Φ 79.8mm(50cm <sup>2</sup> ), Φ 112.8mm(100cm <sup>2</sup> ), Φ 35.7mm(10cm <sup>2</sup> ), Φ 30.5mm(7.3cm <sup>2</sup> )
Maximum expansion height	70±1mm
Operation System	Android
IoT (Internet of Things )	configuration is required

**Standard**

ISO 13938-2  
FZ/T 01030 Method B  
AS2001.2.4 Method B  
GB/T 7742

**Environmental Requirements**

Operating temperature range	20 °C±2°C
Storage temperature range	-20°C~60°C
Operating humidity range	65% ± 4%
Air source	0.4 ~0.7MPa