UI-TX06 Ball Burst Strength Tester

1. Application & Test Capabilities



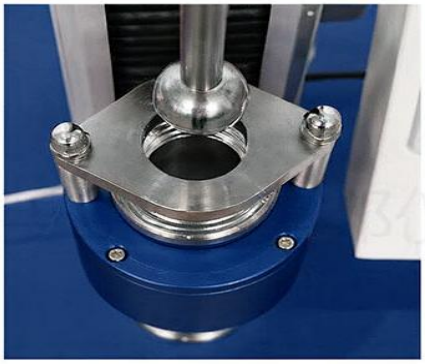
Ball Burst Strength Tester is a high-precision, multi-purpose testing machine supporting both Constant-Rate-of-Extension (CRE) and Constant-Rate-of-Traverse (CRT) test modes.
It is designed to determine the ball bursting strength and distension of woven and knitted textiles, garment fabrics, nonwovens, rubber- or plastic-coated fabrics, and high-stretch fabrics.

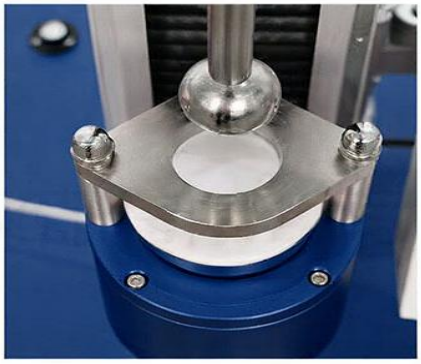
Built on a versatile single-column frame with interchangeable grips, the UI-TX06 can also perform tensile, tear, peel, and seam slippage tests, making it an ideal all-in-one solution for textile mills, garment manufacturers, and third-party testing laboratories.

2. Features

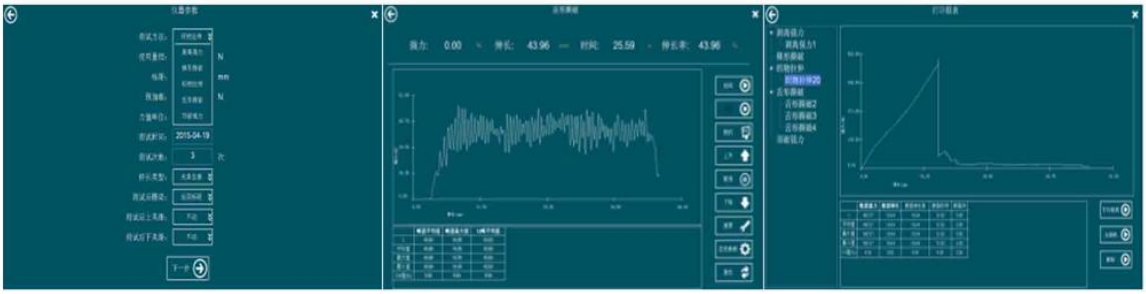
- Computer connection available;
- Suitable for various test standards
- Equipped with touch screen control, thermal printer on machine
- AC serve motor

3. Pneumatic Grip





4. Operation Software





5. Key Specification

Model	UI-TX06
Test Principle	CRE (Constant Rate of Extension) / CRT (Constant Rate of Traverse)
Control mode	Touch screen control+Built-in Thermal Printer (PC Software Supported)
Capacity	500N, 2500N, 5000N (can be customized)
Test Range	1%~95% of machine capacity
Test Accuracy	≤0.2%F.S
Speed	0.1~1000mm/min or 0.1-500mm/min
Standard Ball & Clamp	Manually Pneumatic Size can be customized. Φ25.4 mm steel ball & Φ44.45 mm ring clamp (ASTM/ISO); Φ25 mm / Φ38 mm optional (GB/FZ)
Stroke	600mm (without grip)
Power supply	1 ∮ AC 220V | 110V 50/60HZ 3A
Standards	GB/T3923.1/2, GB/T3917.1/2/3/4/5, GB/T19976, GB/T 19976, FZ/T01030，FZ/T 60019, ISO13934.1, ISO13935.1, ISO9073.3/4, ASTM D5035, ASTM D2261, ASTM D 3787, ASTM D6796
Warm tip: Different test standards require specific steel ball diameters, ring clamp dimensions, and load cell capacities. Please confirm your target test standards with our sales engineer for an accurate configuration and detailed quotation.	