



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

TOUCHING SCREEN ELECTRONIC UNIVERSAL TESTING MACHINE

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BWDTS-1

**DESCRIPTION:**

BWDTs-1 Electronic Universal Testing Machine is applicable for tensile, compression, bending, shearing, peeling and tearing test of metal materials and non-metal materials. They may add test methods or rules of other materials to customers' need. They are essential testing instrument for quality testing section, university and colleges, research institution and industrial and mining enterprise.

Load weighing system meets or exceeds the requirements of the following standards: ASTM E4, ISO 7500-1.

FEATURES:







- 1, Timing system adopts AC servo motor and in-phase belt deceleration unit, performance stable and reliable, with over-current, over-voltage, over-load protection function;
- 2, Transmission part adopts round arc in-phase belt, precision bearing leading screw to drive, stable, low noise, and high efficiency.
- 3, Touching Screen display.

TECHNICAL SPECIFICATION:

| Model No. | BWDTs-1 |
|------------------------------------|------------------------------------------------------------|
| Load capacity | 1000N (1%--100%) |
| Frame proof load capacity | 150% of rate capacity |
| Load Accuracy | Class 1 according ISO7500-1 |
| Load cell overload capacity | 150% of rate capacity |
| Load measuring resolution | 1/300000 FS, stepless |
| Position / displacement resolution | 0.01mm |
| Crosshead travel | 1150mm |
| Tensile test space | 800mm |
| Compression test space | 900mm |
| Standard tensile test fixture | Screw action vice grip or scissor type grip |
| Compression platen diameter | Φ 100mm |
| Testing speed range | 0.01 mm/min ~ 500 mm/min, stepless, adjustable arbitrarily |
| Weight | 90kg |
| Standard Power | 220/110V, 50/60HZ, 1 phase |
| Dimensions | 520×410×1500mm |



STANDARD ACCESSORIES:

| | | |
|--------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Stiffness Frame | 1 set |  |
| Servo driving system: Servo motor: | 1 set |  |
| Loadcell (1000N): | 1 set | |
| Decelerator and deceleration system | 1 set | |
| Leading screw: (Korean Taijing Precision ball leading screw) | 1 set |   |
| Screw action vice grip or scissor type grip | 1 set |  |
| Compression test fixture(Φ100mm) | 1 set |  |
| Tool kit (screwdriver, spanner etc.,) | 1 set | |
| Documents (Manual, packing list, certificate) | | |

