

## ► WAW SERIES UTM

- Universal Testing Machine is driven by Servo-hydraulic cylinder, the electro-hydraulic servo control technology, computer data collection and processing, the closed loop control and automatic detection of high-precision materials testing equipment, its by the test frame, oil source (hydraulic power source), measurement and control system, test accessories.
- This machine is six column frame structure, the main oil cylinder in the lower part of frame, the main structure include of base plate, oil cylinder, piston, hub-and-spoke load sensor, lifting motor, platform, screw, pillar, beams and others.
- This machine can be applicable for Tension, bending, compression, tearing, shearing for Small components, reinforced plastics, metals, wire, composites, elastomers, wood products, textiles, biomaterials, paper products, adhesives, foam, consumer products
- This machine is full computer control with professional test software Equipped with portable control keypad with functions of Up, Down, Stop, Jog up, Jog down, and test start
- Controller offers high speed and closed loop control of load, displacement and extension. reliable IC, ,20bit resolution,16 digital input/output port, Built-in port for PC communication, either by RS232(COM) port or USB port, Expandable ports Load protection, over-current protection, over-voltage protection, over-speed protect, and over-travel protection.
- Versatile removable grips and fixtures can be changed rapidly to meet variable wider applications in tension, compression, flexure, peeling, tearing, punch, shearing...
- This machine follow ISO6892, BS4449,ASTM C39,ISO75001, ASTM A370, ASTM E4, ASTM E8 and BSEN standards.



### • Specification

Item / Index / Model	WAW-100B	WAW-300B	WAW-600B	WAW-1000B
Maximum test force	100 kN	300kN	600kN	1000kN
Maximum speed of sentre sill(mm/min)	320			
Compression space(mm)	500	600		
Tensile space(mm)	600	700		
Piston stroke(mm)	200			
Diameter of round specimen(mm)	Φ 6-Φ 22	Φ 10-Φ 32	Φ 13-Φ 40	Φ 14-Φ 45
Diameter of flat specimen(mm)	0-15	0-20		0-40
Maximum distance of bending test(mm)	300			
Size of compression plates(mm)	Φ 110	Φ 150	Φ 200	Φ 225
Dimension(host)(mm)	800 X 620 X 1850	800 X 620 X 1900	800 X 620 X 2000	900 X 700 X 2300
Dimension(control console) ( mm )	800 X 600 X 1600			
Power(kW)	2.2			
Weight((control console)(kg)	300			
Weight (host)(kg)	1450	1600	1900	2600