

WAW Series Computer Controlled Servo Hydraulic Universal Testing Machine

Introduction

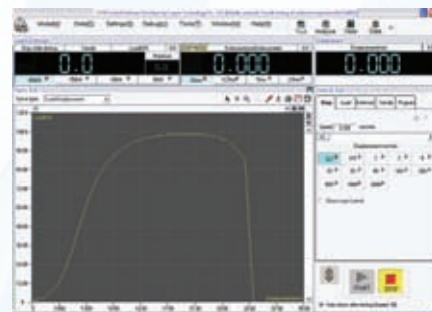
This series machines are widely used for tension, compression, bending and shearing test of metal materials and also used for compression and bending test of nonmetal materials, such as cement, concrete and so on. Equipped with simple auxiliaries, it can be used for mechanical property testing of fastener, wire rope and components. They are perfect testing instrument project quality testing section, universities and colleges, research institution and industrial and mining enterprise. . The machine is calibrated according to ASTM E4 and ISO75001. It can do many different kinds of test according to according to ISO6892, ISO7438, ASTM A370, ASTM E8 and BSEN standards.



WAW – 300,600,1000,2000

Features

- ✘ Machine designed as double test space. Maximum space can be adjusted by different position of upper beam.
- ✘ Crosshead is derived by motor directly from the side avoiding the asymmetric moving
- ✘ Hydraulic clamp for tension test, easily controlling of install and release sample.
- ✘ Hydraulic cylinder and piston adopt clearance seal technology to keep loading accuracy and easily maintains.
- ✘ Fully computer controlling, load, displacement, extension 3 channels close loop servo control.
- ✘ Tension, Compression and Bending test accessories as standard parts.
- ✘ Select high quality hydraulic servo valve, control signals photoelectric isolation, 24V DC safe and reliable.
- ✘ Data acquisition system consists of two high precision A/D conversion channel. The maximum resolution of 1/500000 . There is no subsection of all process; meanwhile, it can have 4 subsections according to customers' requirement.
- ✘ Integrated dual routes precision instrument programmable amplifier, digital zero.
- ✘ MaxTest software runs on Windows98/2000/XP/Win7
- ✘ Real-time record and dynamic display test curve.
- ✘ Provide programmable automatic testing procedures and users can edit their own test steps according to the requirements of test.
- ✘ Adopts human-computer interaction to analyze and count performance indicators of materials.
- ✘ Software can automatically finger out routine data, such as tensile strength, yield strength, modulus of elasticity, extend rate after rupture, non-proportional extend strength RP0.2, etc.
- ✘ Adopts standard database to manage test data and support batch test.
- ✘ Customer can add test methods and rules as requirement



Specification

Description		WAW-300	WAW-600	WAW-1000	WAW-2000
Maximum force(KN)		300	600	1000	2000
Measuring range of force(KN)		2%-100% of full load capacity			
Accuracy		±1% of indicated value			
Resolution of displacement measure		0.01mm			
Accuracy of deformation measure		±0.5%F.S			
Control range of stress speed		1-60MPa/S			
Speed adjusting range of testing stress		1N/mm2S-1-60N/mm2S			
Control range of displacement speed		5mm/min-50mm/min			
Clamping diameter for round specimen(mm)		φ10-φ32	φ13-φ40	φ13-φ60	Φ20-φ70
Clamping thickness of flat specimen (mm)		0-15	0-30	0-40	0-50
Clamping width of flat specimen (mm)		70	70	120	120
Testing space	Tension	750	800	650	1000
	Compression	650	700	600	900
Platen size		φ130	φ180	210*210	Φ300
Distance of bending by pass roll(mm)		30 ~ 580 mm	30 ~ 580 mm	30 ~ 580 mm	30 ~ 580 mm
Maximum piston stroke (mm)		250			
Working environment		Room temperature 10℃ ~ 40℃ , relative humidity≤90%			
Power Supply		380/220v±10%, 50/60Hz			
Overall dimension (mm)	Host machine	905×580×2260	905×580×2325	1070×850×2530	1250x850x2800
	Control cabinet	600×600×1165	600×600×1165	600×600×1165	1070x810x1730
Weight (kg)		2700	3000	4100	7000

Accessories

Description	WAW Sereis
Standard Accessories	Tension Test Accessories , Compression Test Accessories ,Bending Test Accessories,Hydraulic Pressure Sensor, Control Card, Servo Valve, Extensionmeter, EncoderPC, Printer, Pipe, and install tools.
Optional Accessories	Shearing Test Accessories, Rebar Tension grips Specified Extensometer Extension meter calibrator Load Calibrator