

MAIN APPLICATION

Hydraulic Servo Tensile Strength Tester, WAW Universal Testing Machine, compared with a ball screw type electric mechanical UTM, is adopting oil hydraulic power to push the piston in the oil cylinder to provide loading force. Therefore it is very suitable for making test to different metal and nonmetal materials under high toughness and hardness against extreme big loading force. WAW series is widely used in different inspection department, engineering area, universities and institutes.

FEATURES

- By using oil pressure transducer.
- Full computer controlled of testing process.
- Adopt oil-hydraulic automatic clamps which can be operated from separate control box
- Wedge tension jaw processed by advanced technology; increase the stiffness of crosshead under high load and high intensity test.
- Powerful multifunctional control software will provide more testing methods to meet ASTM, ISO and other testing standards.
- Report guide will create your testing report in only three steps.
- Programmable testing software makes LCF testing or cyclic testing become available.
- Overload protection will secure operators.

TECHNICAL SPECIFICATIONS

Model		NG-108 Series
Max. Load capacity		600KN, 1000KN, 2000KN (Optional)
Load accuracy		Within $\pm 1\%$
Tensile test space		550mm
Compression test space		500mm
Piston stroke		200mm
Distance between columns		450mm
Tensile fixture	Round specimen fixture	$\Phi 13$ - $\Phi 26$ mm $\Phi 26$ - $\Phi 40$ mm
	Flat specimen fixture	15-30mm
	The width of flat specimen	80mm
Flat size		205mm*205mm
Bending adjust space		400mm
Power supply		Three-phase 380V 50HZ

Stock room of our Hydraulic Servo Tensile Strength Tester, WAW Universal Testing Machine



Professional software

Easy to control and friendly interface

Windows based interface, easy and fast to reach different functions, suitable for most of operators using habits.

Full digital display and computer control

Adopt special testing machine Controller, fast response and reliable to parameter gathering. Realize the digital adjustment and zeroing of LOAD, DEFORM and DISPLACEMENT as well as PID parameter adjusting.

Manual or program control of test process

The software provides multi functional control mode: Load (stress) control; Displacement (Stroke) control, Strain (Deformation) control, Load keeping, Displacement keeping, Customized programming control ect.

In stroke control mode, operator can define customized test speed to conform to different test standard. Preset limit position and return position will secure the safety and return the crosshead automatically after test finished.

In program control mode, the testing machine is controlled by conditional programs, operator can input each condition to regulate test process, and software can realize constant parameter control through this function.

Multilevel authorization access

The software regulated different access level to protect machine calibration parameters. Reliable to secure the information safety and easy for software maintenance

Perfection of diagramming functions:

Realize the testing diagram online display and reproduction. Zoom in or out the test diagram at any place with any rate. Auto suit the diagram according to display resolution Coordinates point tracing to check the test results in each point

The report creation as Excel, word and template

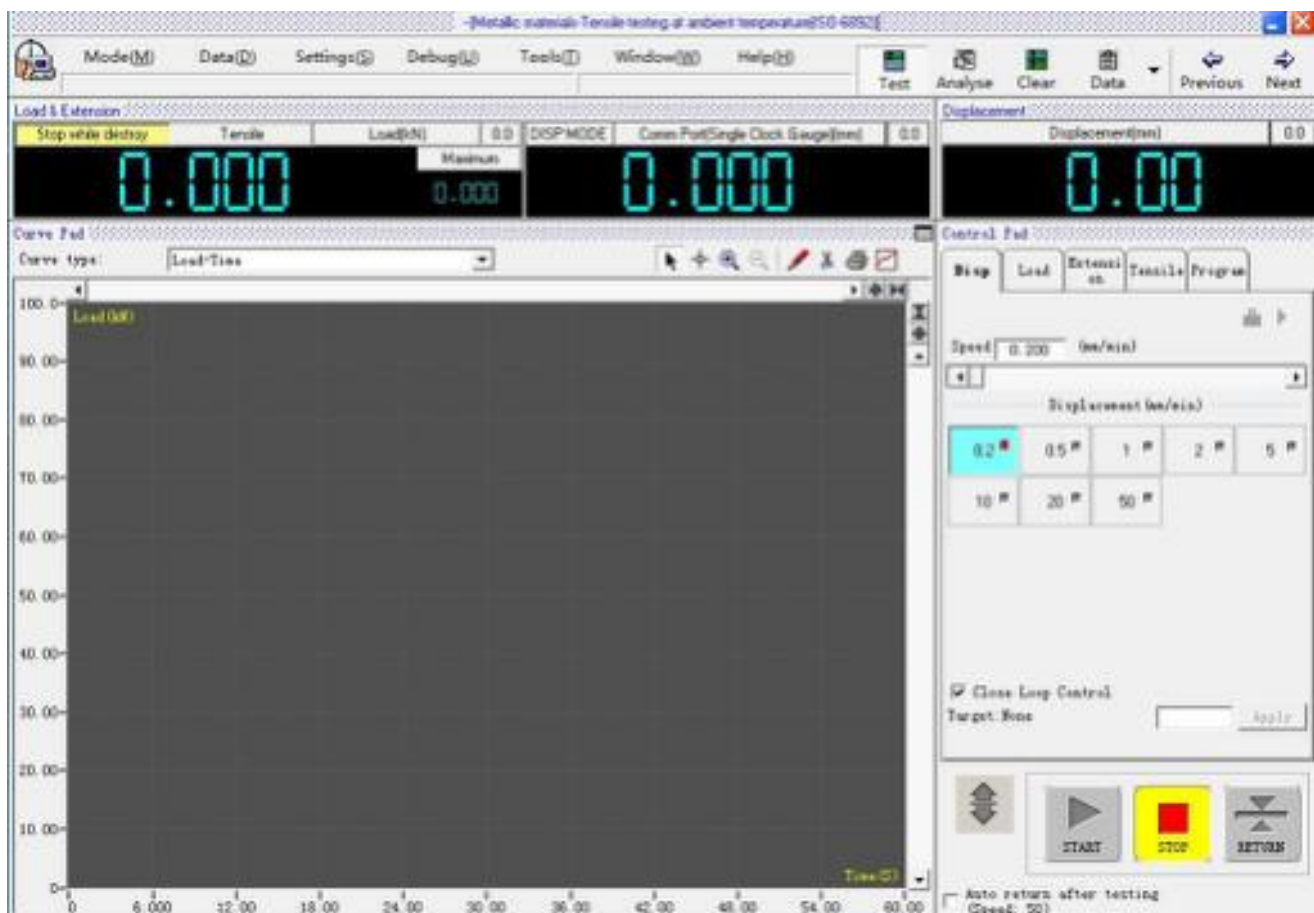
The software provide different way to create test report Single material test report

Batch material test report Customized test report Coordinates point test report **Test curves**

Load-Time Extension-Time Load-Displacement Load-Extension Stress-Strain

Etc

Test interface



Over 130 ASTM, ISO,DIN etc test standards is embed

