

Electromechanical Universal Test Machines

WDW RANGE

Brief Information:

This range of WDW Universal Electromechanical Testing Machines is designed and manufactured to comply with ASTM, ISO, & DIN standards. These are computer-controlled testing machines, with high precision and stability, suitable for a wide range of material testing applications. The machines are delivered complete with PC system, printer and a range of tooling as standard, together with a powerful software package for testing metals, springs, textiles, rubbers, plastics and many other materials, including creep testing.

Features:

- *Speed range 0.01 to 500mm/min can be extended by special request.*
- *Ball screw pre-loaded for zero backlash to guarantee low noise and high driving efficiency*
- *High accuracy load cell for test load measurement*
- *High accuracy photoelectric encoder for crosshead displacement measurement, mounted on the ball screw to minimise drive train error.*
- *Special testing machine software has high functionality, displaying in real time; test load, displacement, test speed, test status, peak load, peak displacement, and featuring auto crosshead return.*
- *Wide range of test fixtures available to suit most test requirements.*
- *Compact structure with easy operation.*

Force Measurement:

Load accuracy meets or exceeds Grade 1 ASTM E4, ISO7500-1. EN10002-2, BS1610, DIN51221

Speed setting

Speed can be set between 0.01-500mm/min by computer, and the speed range can be extended by special option.

Load frame:

Robust structure ensures high frame stiffness and enhances machine accuracy.

MAIN ACCESSORIES – Supplied as standard

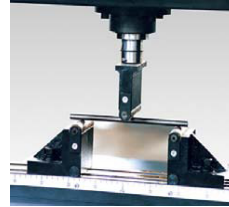
1. Mechanical wedge grip



2. Compression test attachment



3. Bending test attachment



4. Extensometer



5. PC & Peripherals



6. Printer



SOFTWARE

Easy to control and friendly interface

Intuitive windows based software

Manual or Program control of test process

The Software provides multi functional control modes: Load (Stress) Control; Displacement (Stroke) Control, Strain (Deformation) Control. Load Holding, Displacement Holding, Customized programming Control, etc

Display Features

Real time test graph display.

Zoom in or out at any point on the test graph to analyse output.

Graph auto scaling to suit display resolution.

Coordinates point tracing to check the test results for each data point.

Test report creation as Excel, Word or Template

Flexible software enables bespoke report creation

Machine Frame :



Contact us for a specific quotation to meet your testing requirements

Tel: + 44 (0) 1923 266416
Email: sales@alphatestingsystems.com