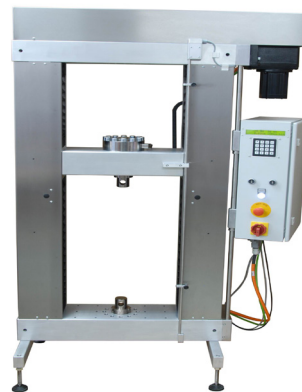


AFFORDABLE GERMAN BUILT TENSILE TESTERS / UNIVERSAL TESTING MACHINES

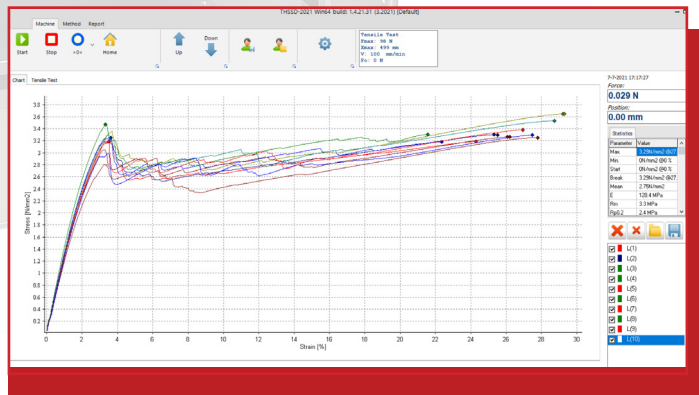
Including powerful & easy to use software



- *Universal Materials Testing Machines
- *2 Year Warranty (Extendable)
- *Models from 3 kN to 200 kN

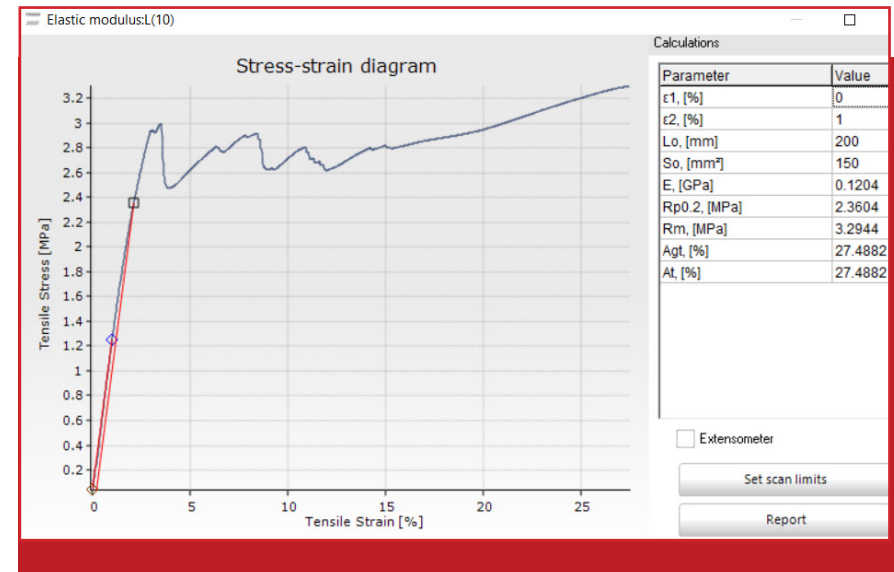
UNIVERSAL TESTING MACHINES - GERMAN BUILT

- Tensile Testers / Universal Testing Machines which include software that is both powerful and easy to use. The testers are used in research & development alongside quality control applications. Built in Germany to the highest standards whilst remaining an affordable price.
- From space saving 'Single Column Machines' to large 200kN models; this impressive and versatile range of material testing machines are built for low capacity simple tests up to the most demanding of mechanical testing requirements.
- These universal machines can be used standalone or with a computer. All measuring data can be transferred to a PC using a USB connection.



Types of Test:

- Tensile
- Compression
- Bend
- Shear
- Friction (COF)
- Fatigue



UNIVERSAL TESTING MACHINES

Key Features:

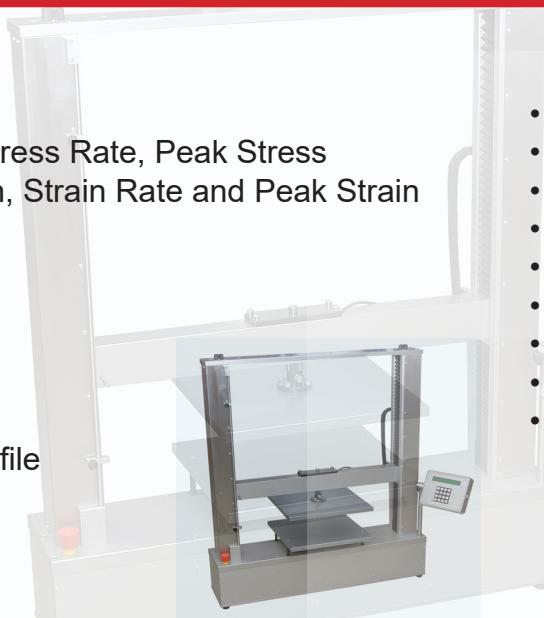
- Large real time numeric displays
- Live Load, Load Rate, Peak Load, Live Stress, Stress Rate, Peak Stress
- Position, Position Rate, Peak Position, Live Strain, Strain Rate and Peak Strain
- Extensometer control/analysis
- Modulus Calculations
- Yield Calculations
- Motonic, cyclic and segmented test profiles
- Comprehensive analysis & calculations
- Multiple specimen geometries and dimensions
- Export reports / results to PDF, Excel or as a text file
- 2 year warranty, extendable up to 5 years

Key Features:

- Grade 0.5 load cells to all international standards including ISO 7500-1, ASTM E4, JIS B7721
- Position resolution better than 0.01mm displayed (0.001 mm internal)
- External Extensometer (optional)
- Guaranteed Resolution with a standard load cell +100,000 parts 50 Hz
- Higher speed/resolution available as an option.

Options:

- Customised machine sizes and capacities
- Dynamic Test - System for Endurance tests
- Temperature / Environmental Chambers
- LabView API
- Over 3000 different grips and fixtures available
- Extensometers
- Load Cells 2N to 200 kN
- Installation & Training
- Finance / lease options available (subject to a successful application)



Specifications	Z3 X500	Z3 X1200	Z5 X500	Z5 X1200	Z10 X700	Z10 X1200	Z20 X700	Z20 X1200
								
Max Force	3	3	5	5	10	10	20	20
Max Speed	700	700	700	700	600	600	1600	1600
Min Speed	1	1	1	1	1	1	0.03	0.03
Smallest Free distance	66	66	66	66	200	200	209	209
Adapter Size	15.9	15.9	15.9	15.9	15.9	15.9	31.8	31.8
Motor	50	50	90	90	170	170	800	800
Voltage	220/110	220/110	220/110	220/110	220/110	220/110	380	380
Motor Type Manufacturer	DC Maxon	DC Maxon	DC Maxon	DC Maxon	DC Maxon	DC Maxon	AC - Servo Stöber	AC - Servo Stöber
Crosshead Extension *	500	1200	500	1200	700	1200	700	1200
Weight (kg)	36	37	55	56	88	105	235	260
Dimensions (mm) H x W x D	1036 390 300	1677 390 300	1036 390 300	1677 390 300	1226 640 240	1726 640 240	1317 1071 433	1837 1071 433
Packing Dimensions (mm) H x W x D	1150 500 400	1800 500 400	1500 500 400	1800 500 400	1315 740 400	1976 740 400	1900 1200 800	1900 1200 800

*Excluding space taken by grips and load cell.

Please ask about our comprehensive service contracts!

We offer calibration, service and repair for most makes and models of Tensile Tester.

Contact us for friendly and professional advice, or to arrange a demonstration please call 01522 789 375

Email: sales@amlinstruments.co.uk

Website: amlinstruments.co.uk

Specifications	Z50 X700	Z50 X1200	Z100 X700	Z100 X1200	Z150 X1200	Z200 X1200
						
Max Force	50	50	100	100	150	200
Max Speed	1600	1600	600	600	400	400
Min Speed	0.03	0.03	0.02	0.02	0.02	0.01
Smallest Free distance	209	209	228	228	228	228
Adapter Size	31.8	31.8	40	12	40/12	40/12
Motor	1600	1600	2400	2400	2900	3500
Voltage	380	380	380	380	380	380
Motor Type Manufacturer	AC - Servo Stöber	AC - Servo Stöber	AC - Servo Stöber	AC - Servo Stöber	AC - Servo Stöber	AC - Servo Stöber
Crosshead Extension *	700	1200	1200	1200	1200	1200
Weight (kg)	245	270	420	420	460	600
Dimensions (mm)	1317	1837	1450	2050	2050	2050
H x W x D	1071	1071	1090	1090	1090	1090
	433	433	590	590	590	590
Packing Dimensions (mm)	1900	1900	1600	1600	1600	1600
H x W x D	1200	1200	1200	1200	1200	1200
	800	800	800	800	800	800

*Excluding space taken by grips and load cell.

In addition to standard machine sizes above, we can offer machines sized to your bespoke requirements.