

**Universal Testing Machines** which include powerful and easy to use Software for use in research & development and quality control applications. Built in Germany to the highest standards at an affordable price.

**Impressive range of instruments** from compact space saving machines with a 3 kN capacity up to large 50 kN machines built for the most demanding testing.

These universal machines can be used standalone or with a computer. All measuring data can be transferred to a PC using a USB connection. These machines come complete with one load cell (capacity specified at time of order) and Software for Windows.



### **Quality Control**

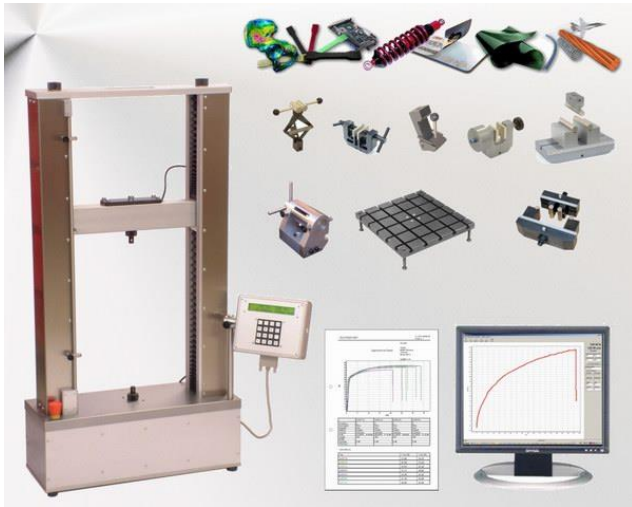
- Research
- Product Development
- Product Evaluation

Also many different types of tests...

- Bend
- Tensile
- Compression
- Torque
- Friction
- Fatigue

### **Flexible Control**

- Closed loop servo control with PID compensation
- Monotonic, cyclic and segmented test profiles
- Position, Load and Strain rate control
- Intermix load, position, and strain rates as required
- Multiple rates and end levels, including reversals
- Software selectable real time control channels
- User password protection for calibration files
- Select English, Metric, and SI units

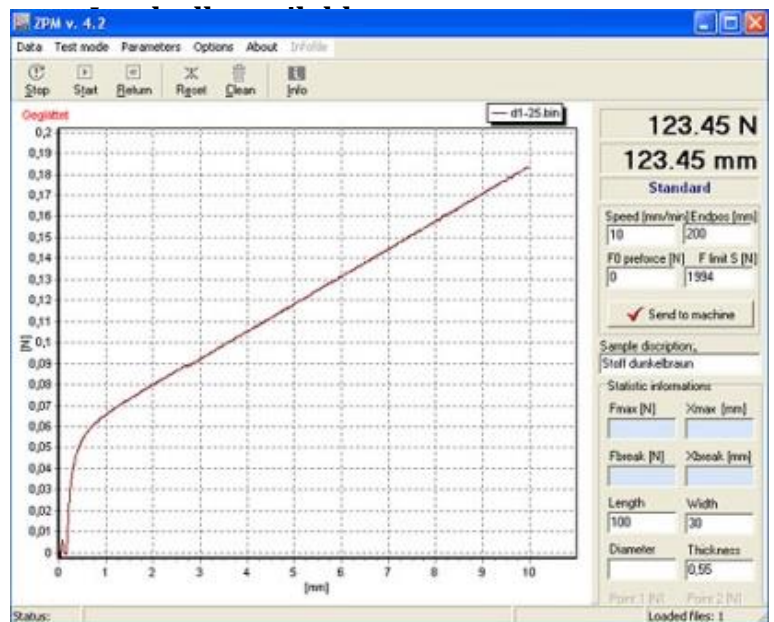


### High Accuracy

- ISO 17025 UKAS certifiable
- Five software calibration files per transducer
- Nonlinearity  $\pm 0.03\%$
- Hysteresis  $\pm 0.02\%$
- Non repeatability  $\pm 0.01\%$
- 0.5% accuracy of the applied load
- Calibration certifiable with Load Cell
- Resolution better than 1 part in 100,000
- Position resolution better than 0.01mm displayed (0.0001 mm internal)

### Real Time Displays

- Large real time numeric displays
- Live Load, Load Rate, Peak Load, Live Stress, Stress Rate,
- Peak Stress, Live
- Position, Position Rate, Peak Position, Live Strain, Strain Rate, and Peak Strain
- Plot Real-time test data via printer
- Comprehensive Analysis & Calculations
- Multiple specimen geometries and dimensions
- High, low, mean, and standard deviation
- Standard Analysis Procedures



**AML's Universal Testing Machine range is extensive but not exhaustive, we can manufacture nonstandard machines to suite just about any test.**

**Contact us with your testing problems or requirements, our experienced engineers will be able to design and build you a solution.**