

# tensiTECH III

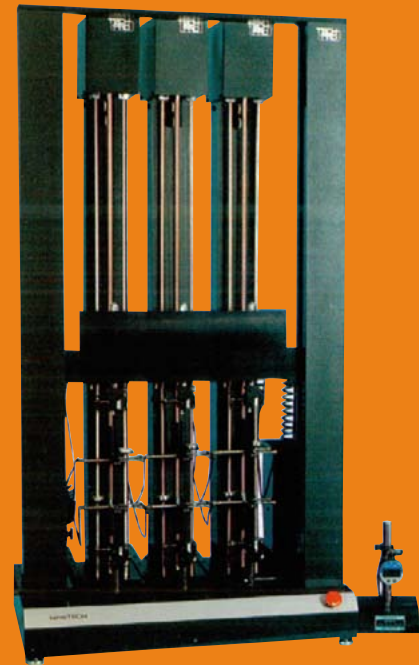
A fully programmable universal tester designed to test three rubber or textile samples simultaneously. An American made product available worldwide with good performance at a reasonable cost.

## Features

- User-programmable testing sequences.
- Many interchangeable grips.
- Meets ASTM D412, D575 and D624.
- tensiDATA software is included for data acquisition, control and analysis.
- Pneumatic sample grips.
- High elongation extensometer.
- Pneumatic extensometer grips.

## Specifications

<b>CAPACITY:</b>	10 kN (3200 lb)
<b>LOAD CELLS:</b>	50 to 10,000 N (10 to 2000 lbf)
<b>LOAD ACCURACY:</b>	±0.5% (10 to 100% FS)
<b>STRAIN RANGE:</b>	115 cm (45 in)
<b>STRAIN RESOLUTION:</b>	±0.01 mm (±0.0005 in)
<b>SPEED:</b>	3 to 1500 mm/min (0.1 to 60 in/min)
<b>SPEED ACCURACY:</b>	±0.75%
<b>CROSSHEAD WIDTH:</b>	55 cm (22 in)
<b>ELECTRICAL:</b>	110/220 VAC 50/60 Hz 4 amps
<b>AIR PRESSURE:</b>	80 psi (550 kPa)
<b>DIMENSIONS:</b>	Width 81 cm (32 in), height 148 cm (60 in), depth 51 cm (20 in)
<b>WEIGHT:</b>	135 kg (300 lb)
<b>TABLE:</b>	76 X 152 cm (30 X 60 in)
<b>COMPUTER REQUIRED:</b>	4 ISA slots without network, 5 ISA slots with network



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[www.alpha-technologies.com](http://www.alpha-technologies.com)

## Performance

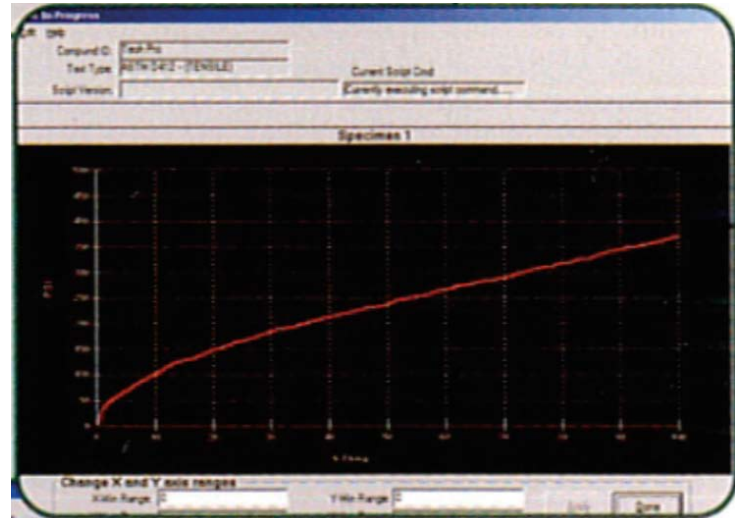
- Measure tensile modulus of materials.
- Suitable for quality control and research and development.

## Options

- Grips: o-ring, cord, wire wedge and flexural.
- Digital thickness gauge.
- Compression platens.
- Computer.

## Test Capabilities

- User-definable crosshead movement.
- User-definable data output.
- Pass/fail specifications.
- Up to 5 specimens per test.
- Various units for time, force, stress and strain.
- Operate in compression or tension.



Stress strain curve from tensiTECH III