

# tensiTECH III

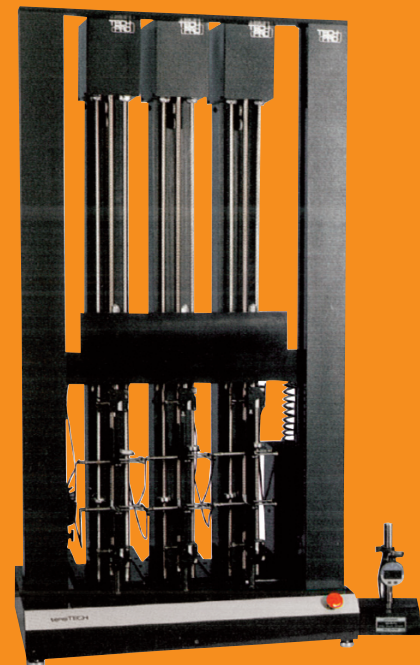
A fully programmable universal tester designed to test three rubber or textile samples simultaneously. An American made product available worldwide with good performance at a reasonable cost.

## Features

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

## Specifications

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



*tensiTECH III*

## Performance

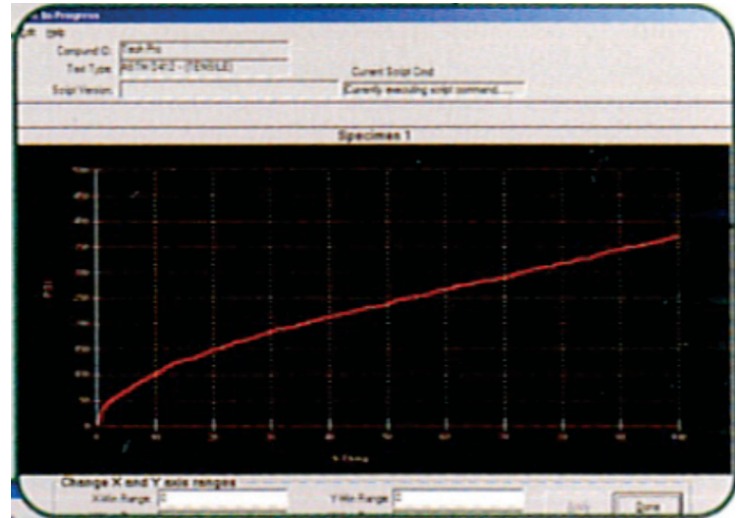
- n Measure tensile modulus of materials.
- n Suitable for quality control and research and development.

## Options

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

## Test Capabilities

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



Stress strain curve from tensiTECH III