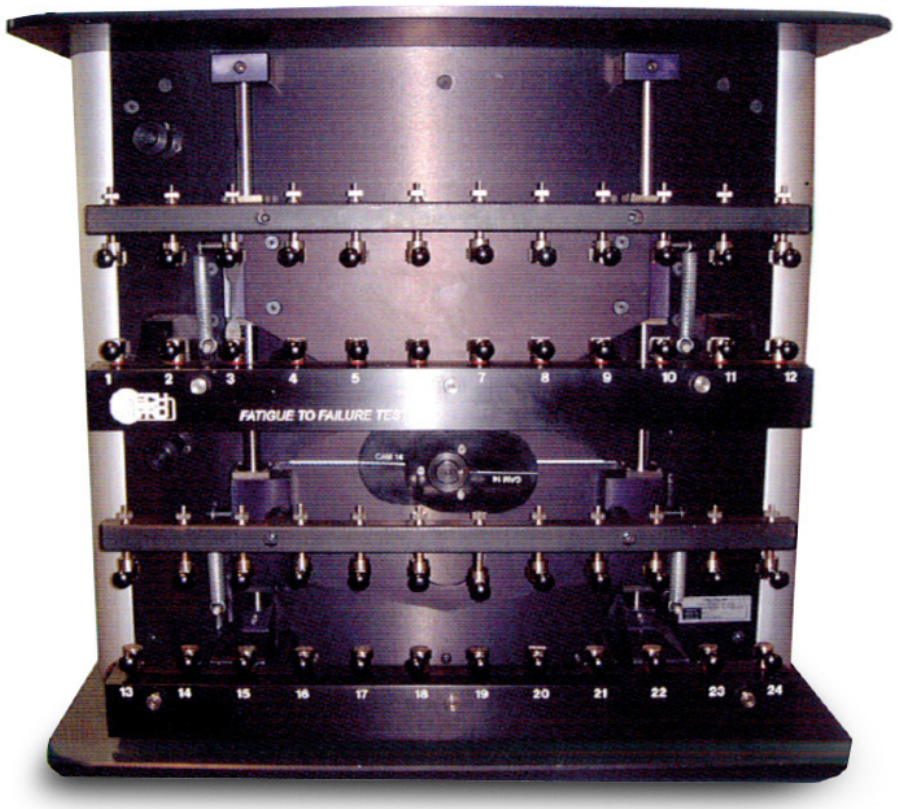
Fatigue to Failure Tester

Physical Testing

Determines the fatigue life of elastomeric compounds in tension. Special specimens are stretched and released via a continuously rotating cam. Device records number of cycles applied to each specimen before sample is destroyed by fatigue.



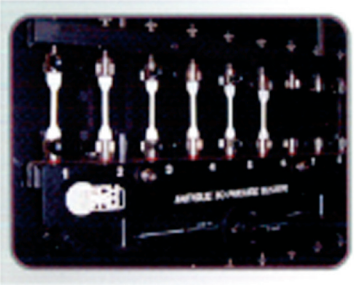
ALPHATECHNOLOGIES

Fatigue to Failure Tester

Physical Testing

Testing Features

- Control and collect data from up to three units with one computer.
- Load up to twenty-four samples for each trial
- Failure determined by photo sensor switches
- Extension cycling fatigue
- Geometric mean fatigue life
- Fatigue life as a function of extension ratio and/or strain energy



Performance

- Measures the number of cycles required to make a compound specimen fail
- Improved sensitivity versus other methods
- Suitable for research and development

Options

- Sample Mold
- Dumbbell die cutter
- Enterprise Software

Specifications

Testing Standard:	ASTM 4482
Temperature:	Ambient
Frequency:	100 CPM
Extension Ratio:	1.6 to 2.4
Dimensions:	Width: 72.4 cm (28.5 In), Height: 63.5 cm (25 in), Depth: 67.3 cm (26.5 in)
Electrical:	110 VAC/60 Hz or 220 VAC/50 Hz, 20-Amp
Weight:	300 lbs (136Kg)