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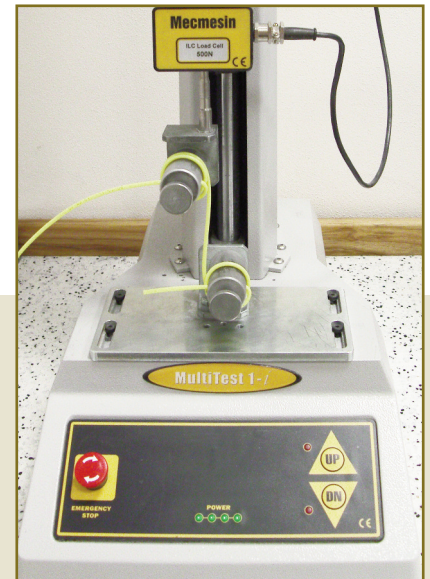
Detonator Shock Tubing

Specification

A manufacturer of non-electric shock detonator tubing for industrial applications had a specialist tensile testing requirement. Laid in long surface networks to initiate explosives, the high tensile strength nylon tubing must retain integrity in the most rugged environments, for reliability and accurate timing. As part of its quality control system for this safety-critical product, the company needed to be able to apply their own specific criteria for testing each kind of shock tubing in a consistent way.

Solution

The high elasticity of the tubing required a Mecmesin MultiTest 1-*i* with an extended-height test column. Custom-made sample grips avoid pinching and weakening the test sample. The Emperor™ software was programmed for each type of tubing, and provides real-time characteristics graphing, batch recording, and reporting for quality analysis. Automatic control removes operator error and guarantees complete consistency and reliability in testing. The company is very satisfied with the accuracy, versatility and the ease with which test sequence programmes can be changed.



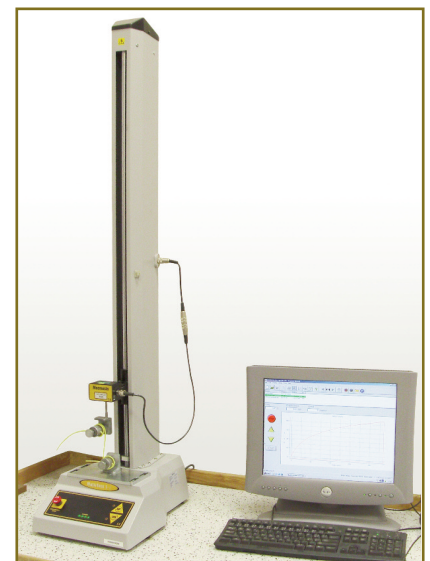
Custom-made pegs secure the tubing under test

System

- MultiTest 1-*i* test stand with extended-height column
- 500 N intelligent load cell
- Custom-made peg grips



Fully programmable and computer driven for complete accuracy



Extended height allows for high sample elasticity

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