

THE NEED

In recent years, customers have placed increasing attention on the wiring systems utilized in their applications. As electrical systems and devices become more complicated,



The LEC 1001 design allows for six times the testing throughput of the previous generation.

with greater density of electrical wires and components, electrical arcing poses an increasing threat to system reliability.

Insulation failures that result in electrical arcing can be extremely violent events that do significant damage to physical and functional integrity of the system. Those best able to address these concerns have significant value added to their products and will be able to minimize the risks that exist from electrical arcing events.

To resolve these issues, Lectromec offers the LEC1001 Arc Track Testing System. This system, built to perform both the current SAE and Boeing arc specifications, can provide your organization with faster results and overall cheaper costs than outsourcing.

OPTIONS

Lectromechanical Design Company provides end to end support and options with each test unit. It is our goal to build the units to maximize the value our customers receive. To this end, Lectromec provides a wide range of options with each unit.

Additional options include:

- Support on selection of a generator to be used in testing.
- Wiring schematics and installation diagrams for the internal components.
- Periodic maintenance and inspection of the units.
- Instructional video on how to operate, maintain, and troubleshoot the equipment.
- Providing installation support and ensuring that the product works correctly right from the start.
- Ballast cabinet to meet generator load requirements.

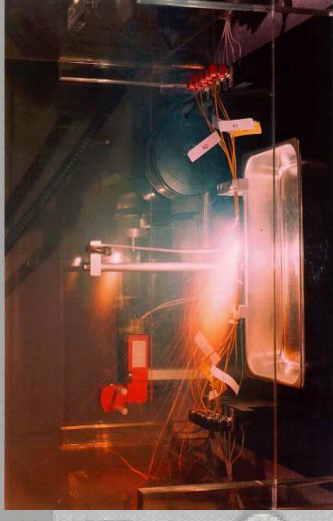
...and more.

Worried that Changes in the Test Specification will make your Equipment Obsolete?

If there is a modification of the specification to which your Arc Track Unit is built, contact Lectromec, and we will investigate the most cost effective strategy to upgrade your system.

The LEC1001 is the newest in an ever increasing line of arc track testing equipment built by Lectromec. Call today to find out more about this and other units Lectromec offers.

FEATURES OF THE LEC1001



Some of the features included in every test stand delivered by Lectromec:

- The protective enclosure of the Bench Top Test Unit contains UV filtering material that protects at the Plexiglas UF-3 level.
- An audio alarm with volume control and auxiliary 120 VAC jacks which are activated when a circuit breaker trips during the Wet Arc Track Resistance Test.
- Ergonomically designed units allowing for easy specimen placement and removal, as well as easily accessible components for maintenance of the system.



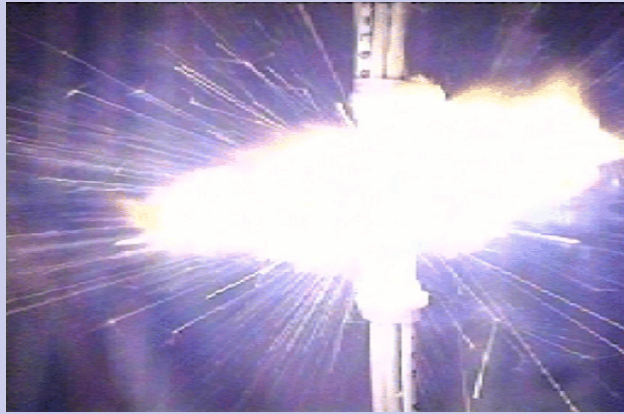
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WHAT BENEFIT IS THERE TO IN-HOUSE TESTING?

Looking to expand your capabilities? The use of the LEC1001 six station wet arc track unit provides the most effective way of expediting testing. With the ability to perform six independent test simultaneously, this system can be used to dramatically increase your testing throughput and reduce associated labor costs.



Ask about the new addition to Lectromec's line of Arc Track Testers, the LEC-3475 which is compliant with the emerging European test standards.

Company Description

The Lectromechanical Design Company (Lectromec) provides services and equipment for a range of technical problems. We are an interdisciplinary engineering research and design firm that supports a variety of technology-oriented organizations. In recent years we have concentrated on aircraft wiring safety and functional issues, however, we are not an industry-specific firm and we service a diverse clientele. Our expertise centers around the effects of electrical wire degradation and failure, on the functional integrity of engineered devices and systems. Our objective is the application and synthesis of techniques that provide insights and solutions to previously intractable technical problems.

Lectromec has worked with a diverse host of clients including: foreign and domestic militaries, private sector businesses, wire manufacturers, government agencies and the media. As the aging wire issue becomes more visible and increasingly critical, Lectromec can offer solutions to help minimize wiring related problems.



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Research Design
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Arc Track Testing Equipment

LEC1001 6-STATION WET ARC
TRACK TESTING UNIT



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