

Birk Manufacturing Announces 1000 SQFT Advanced Testing Lab for Thermal Solutions

The Birk Advanced Testing Lab offers advanced testing capabilities to reduce lead time and lower cost.

EAST LYME, CT, UNITED STATES, October 6, 2026 /EINPresswire.com/ -- Birk Manufacturing, a leading provider of advanced flexible heating solutions, announces the grand opening of their Advanced Testing Lab. The 1000 sqft facility is designed to add new capabilities and increase testing capacity.



Thermal shock and thermal cycling test stations.

This investment solves several customer requests and challenges. The Lab brings in advanced testing equipment for space applications and provides a wide range of standardized testing across all industries. Tests that were previously outsourced to testing labs can now be done in-house, improving lead time and reducing customer costs. Additionally, the lab increases capacity for customer R&D work during early design and prototyping phases.

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We are so proud to be opening our Advanced Testing Lab to meet the complex needs of our customers and their unique applications.”

Carleton Birk, President

The lab offers the following testing capabilities:

- AC/DC Power Conditioning (DC up to 300VDC)
- Thermal Cycling (-68 °C to 180 °C)
- Thermal Shock (-80 °C to 220 °C)
- HIPOT testing
- Insulation Resistance testing

- DC Resistance testing
- Complex Impedance testing
- Reflected Light Microscopy
- Multi-channel Data Acquisition system

In addition to the lab equipment, Birk has hired a full-time Test Lab Director - an Electrical

Engineer with over 40 years of experience. The Director has extensive experience with circuit design, data analysis, failure analysis, and materials science. He will be designing test fixtures and application-specific instrumentation.

"We are so proud to be opening our Advanced Testing Lab to meet the complex needs of our customers and their unique applications," said Carleton Birk, President of Birk Manufacturing. "By expanding our testing capabilities, we have more control over expedite requests, troubleshooting, and overall lead time."

Birk Manufacturing intends to continue investing in the Advanced Testing Lab with more thermal shock equipment and power supplies, new diagnostic software, and mechanical test equipment.

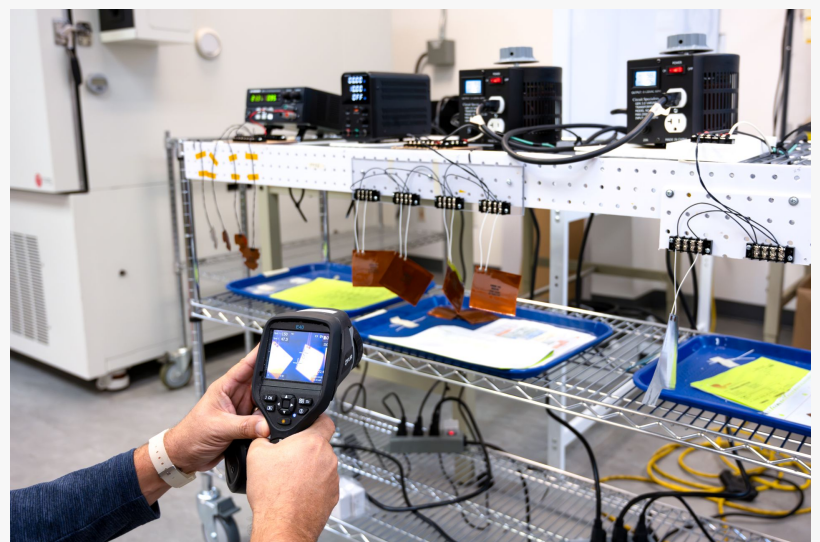
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Birk Manufacturing designs and produces high-quality flexible heaters and thermal solutions for the medical, aerospace, defense, semiconductor industries and more. Birk is committed to superior quality and dedicated to outstanding service. They serve their customers with innovative solutions and precision manufacturing.

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The Power Conditioning test stations are equipped with dedicated precision programmable DC power supplies to expand capacity while providing precise voltage and current control.



Thermal imaging during power conditioning monitors heater temperature at different voltage levels.

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