

Ohmcraft Resistors Help Ensure Accuracy of DNA Analysis

ROCHESTER, NY, UNITED STATES, February 9, 2018 /EINPresswire.com/ -- From paternity tests to forensic science applications, microfluidic capillary electrophoresis (micro-CE) equipment is most commonly used to analyze DNA in medical applications. Within seconds, this technology separates molecules based on size, and resulting data is organized depending on the purpose of the test. For more than five years, leading manufacturers of micro-CE equipment have relied on [custom precision resistor networks](#) from Ohmcraft to ensure the equipment's accuracy and efficiency.

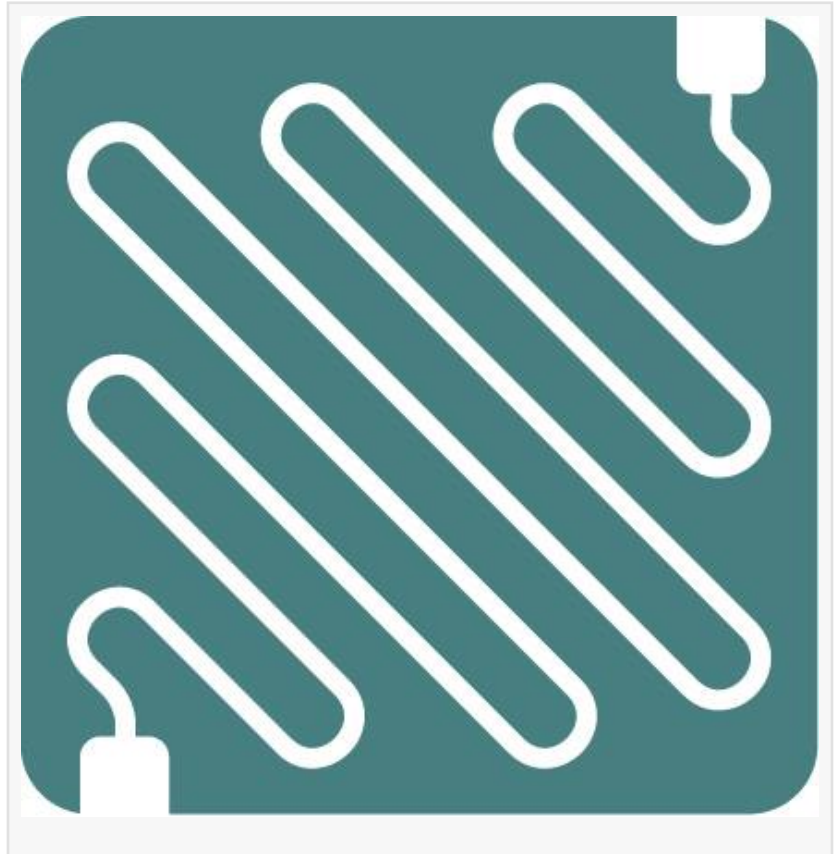
To support this application, Ohmcraft worked closely with its micro-CE customers to develop completely customized resistor networks to meet their design specifications, which required a distinct form factor.

"In micro-CE equipment, our [custom resistor networks](#) are employed for testing purposes. The networks actually simulate a medical sample, to verify the equipment is functioning properly," said Eric Van Wormer, Vice President of the Ohmcraft division of Micropen Technologies. "Ohmcraft is uniquely qualified to meet the demands of this type of application."

Ohmcraft's revolutionary fine line, thick film technology provides an unmatched level of performance and stability in custom resistor networks. The usual hybrid technologies for manufacturing resistors depend upon composite materials that have limitations. Traditional thick-film methods severely limit performance characteristics and thin-film methods are limited in attainable ohmic values. [Ohmcraft's Micropenned resistors](#) offer the best characteristics of both methods. The combination of long line, high-aspect ratio, and higher conductivity film, gives Ohmcraft resistors unprecedented design efficiency, versatility, linearity, stability and low noise.

The development of Micro-CE technology has led to rapid advancements in DNA testing and analysis. Because these test results are often used to make medical decisions, it is crucial that they are accurate. Reliability of the equipment is equally critical, as malfunctions can result in the loss or damage of a sample, which is particularly problematic if only a limited number of samples exist.

About Ohmcraft



Ohmcraft's thick-film, surface mount resistors are engineered to meet application specific needs. Our proprietary Micropen printing technology is the foundation for Ohmcraft's family of resistor products. Ohmcraft precision leaded and surface mount resistors are manufactured with our patented Micropen technology to create a unique serpentine design that withstands voltages up to 100kV and provides an unmatched level of performance and stability. For more information, visit Ohmcraft.com

Heather Kowalczyk
McDougall Communications
585-434-2148
[email us here](#)

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases.

© 1995-2018 IPD Group, Inc. All Right Reserved.