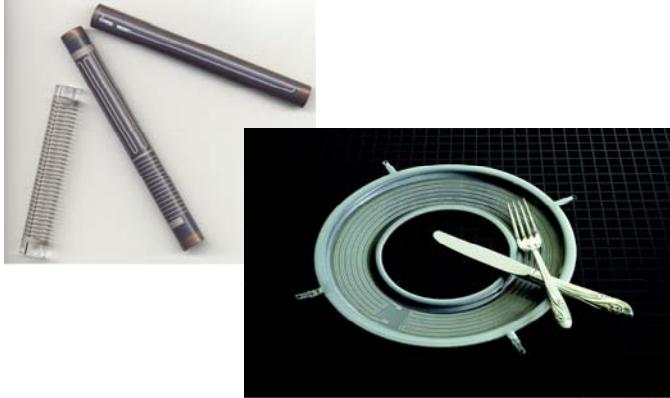


FOR IMMEDIATE RELEASE

Chromalox Introduces Advanced Thick Film Heating Capability in Partnership with Ohmcraft, Inc.



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To download high-resolution image, go to <http://www.chromalox.com/news/newsletters/thickfilm.jpg>

PITTSBURGH — March 24, 2005 — Chromalox[®], the world's largest manufacturer of precision heat and control products, is proud to announce a partnership with Ohmcraft[®] to provide advanced Thick Film heating capability. The agreement between the two companies provides Chromalox as the exclusive seller and Ohmcraft as the exclusive manufacturer of Thick Film Heating products and solutions.

With over 85 years of experience in precision heat and control solutions, Chromalox combines Ohmcraft's expertise of 25 years in thick film, to become the leader in Thick Film Heating and Sensor technology. Experienced Chromalox engineers are available to assist in both new thick film applications and existing product redesigns. Whether it is engineering design, solid modeling, finite element analysis, prototyping, or extensive laboratory testing, Chromalox is committed to providing excellent product and service to our customers.

Chromalox Thick Film Heaters and Sensors provide the best possible combination of heat transfer, thermal efficiency, and temperature uniformity in applications where there is a need to save space in a product design, and offer a unique solution to a variety of applications where traditional heating methods fall short. Applications abound in semiconductor manufacturing, medical equipment, laboratory and analytical equipment, plastics processing, food processing, gas/fluid heating and digital printing and copiers. The advantages to using Chromalox Thick Film Heaters over traditional heating methods include:

- More direct surface contact ensures optimum heat transfer
- Lower mass designs provide very fast thermal response for excellent operating efficiency
- Fused termination points ensure strong, trouble-free connections
- Low-profile, compact design minimizes space constraints in OEM applications
- Advanced printing technology allows application of thick film to more surface shapes than any other manufacturer
- Much finer heating patterns for tighter thermal profile tolerances
- More flexible heater circuit design allows for variable heat output
- Higher temperature and watt density designs than typical resistance wire-based heaters

Chromalox Thick Film Heaters and Sensors are constructed of a substrate, a base dielectric material, and a thick film printed resistor. They can be printed on a variety of metal, ceramic, glass, and plastic substrates. Chromalox has a wider range of patterning available than anyone in the industry with the ability to pattern on flat, cylindrical, concave, obtuse, and non-linear surfaces – even on the inside of a tube! Operating temperatures of up to 500°C can be achieved, if necessary. Thermal profiles of less than $\pm 1^\circ\text{C}$ are possible in many applications. Watt densities of up to 500 W/in² are available, with typical watt densities below 100 W/in². Customized control solutions designed for each application can range from mechanical sensors, thermostats, and thermal fuses to printed RTD's and electronic PID control schemes.

For more information, go to www.chromalox.com/products/thickfilm/ or contact Chromalox at:

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About Chromalox, Inc.

For more than 85 years, customers have relied on Chromalox for the utmost in quality and innovative solutions for industrial heating applications. Chromalox manufactures the world's largest and broadest line of electric heat and control products, including heating components, immersion heaters, circulation systems, heat transfer systems, boilers, industrial and comfort air heating, heat trace cables, sensors and precision electronic controls. With multiple manufacturing, engineering, warehousing and sales locations throughout North America and Europe, Chromalox is a global supplier providing the highest level of customer support. Chromalox is headquartered in Pittsburgh, PA.

About Ohmcraft, Inc.

Ohmcraft is a Honeoye Falls, New York based Corporation. Founded in 1984, Ohmcraft provides fine line patterning solutions for applications and products in electronics, medical, glass and heating markets.

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