

CoorsTek Develops New MidFilm® Substrate Technology for High-Frequency Thick-Film and Other Applications

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Golden, Colorado, March 18, 2003 – CoorsTek, Inc., a leading designer and manufacturer of critical components and integrated assemblies for the semiconductor capital equipment industry, defense industry, electronics industry and other high technology markets, today announced that it now offers MidFilm® ceramic substrates which promise near thin-film printing performance at prices much closer to traditional thick-film substrates.

The new technology uses the same, lower-cost manufacturing method used in making thick-film substrates, but with a higher-performance material – the company's ADS-995-R alumina. This process yields what CoorsTek calls MidFilm substrates.

The high-performance materials produce an as-fired substrate surface capable of holding high-resolution circuits with conductive traces and lines of constant height and width. The low-line-loss characteristics of this substrate make it ideal for high-frequency applications from microwave to nanobit networks, fiber-optics, and microchip modules.

“We’ve shared this technology with a few of our key customers and the response has been overwhelmingly positive,” states product manager Lorrie Van Dyke, based in the company's Grand Junction, Colorado facility – where the raw material and bare substrates are manufactured. CoorsTek also completes the offering with ultra-fine photo-etch metallization services out of its Clear Creek facility in Golden, Colorado.

The MidFilm substrate is compatible with multi-layer designs and the company also offers extensive laser-machining services for custom geometries, scoring, and hole-pattern requirements.

CoorsTek is the largest technical ceramics manufacturer in North America and has made ceramic substrates for the electronics industry for over 3 decades. For more information, please call Lorrie Van Dyke at 970-244-1165. For a higher resolution photograph or photograph alternatives, please contact Harrison Hartman at 303-277-4559 or e-mail hhartman@coorstek.com.

CoorsTek designs and manufactures components and integrated assemblies for semiconductor capital equipment and for automotive, electronics, medical, telecommunications, and other industrial applications. Using technical ceramics, precision-machined metals, engineering plastics, and high-purity fused quartz, the Company's solutions enable its customers' products to overcome technological barriers and improve performance. For more information on CoorsTek, please visit the Company's website at www.coorstek.com.

MidFilm is a registered trademark of CoorsTek, Inc.

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