

CoorsTek Offers New Thick-Film Photo-Etching Technology for Ceramic Substrates

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Golden, Colorado, May 12, 2003 – CoorsTek, Inc., a leading designer and manufacturer of critical components and integrated assemblies for the electronics industry, defense industry, semiconductor capital equipment industry, and other high technology markets, today announced a new thick-film etching technology allowing ultra-fine line depositions down to 25 microns (0.001 inch).

Used primarily for high-frequency and high-speed applications, this technology achieves extremely high-resolution lines and spaces. Specially formulated pastes with high conductivity and high backlit density are used to create the base conductive layer. Standard tolerance for a 25-micron line is ± 2.5 microns (0.0001 inch).

Photo etching can be combined with standard thick-film process features like vias, resistors, dielectrics, and typical screen-printed conductors. Substrate materials include alumina in 96%, 99.5% and 99.6% grades and high-dielectric materials. Customers may choose from either silver or gold for etching material.

CoorsTek is the largest technical ceramics manufacturer in North America and has made ceramic substrates for the electronics industry for over three decades. For more information, call Mike Melancon at 303-277-4701. For a higher resolution photograph, 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.

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