

## Press Release

February 20, 2007

### **Heraeus Showcases its New Series of Lead-Free, No-Clean Solder Pastes**

An expanded line of state-of-the-art, lead-free no-clean solder pastes was introduced by the Contact Materials Division (CMD) of Heraeus during the annual APEX conference and exposition held this week in Los Angeles, California. The new line of solder pastes—the F640 Series—promotes wetting and minimizes defects with tin/silver/copper alloy soldering.

With its wide process window, the F640 Series of no-clean solder paste is able to compensate for process variations in printing, component placement and soldering. These lead-free pastes provide industry-leading wetting on a variety of surfaces and finishes and leave behind a clear residue. This reduces processing costs significantly, makes set-up easy and saves time. Offering minimal slumping and exceptional print-to-print consistency, the F640 Series can also be reflowed in air or nitrogen environments. The F640 Series fulfills the Siemens Standard accord and passes J-STD-004.

“The F640 series of solder pastes is part of the second-generation of lead-free products offered by Heraeus to the industry,” said Brian Bauer, business manager for Surface Mount Materials at Heraeus CMD. “Since first introduced in 2006, this series of lead-free, no-clean solder pastes has received high marks from customers who have been using them in the processes. These pastes are capable of providing near defect-free performance in the ever-changing production environment where reduction of hazardous substances (RoHS) and elimination of lead from the manufacturing process are a priority,” Bauer added.

The Heraeus Contact Materials Division (CMD) is part of the W.C. Heraeus GmbH & Co. global enterprise that pioneered industrial technologies based on precious metals. The Contact Materials Division is one of the world’s leaders in the processes and products used to manufacture high-performance circuitry, semiconductors and surface mount assemblies.

Products include bonding wire, solder pastes, adhesives and fluxes; conductive adhesives; and a full line of lead-free products. The F640 Series, like every Heraeus product, is backed by a global technical support team designed to assist in the changeover to lead-free products.

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# Heraeus

All Heraeus product lines are supported by in-depth process knowledge, personalized service and custom solutions to emerging applications. Through a global network of production and support facilities, with multiple sites for both R&D and technical support, the CMD division of Heraeus continually introduces new products to meet specialized requirements. The goal is to achieve a level of quality where customers look upon Heraeus CMD products and services as an extension of their own facilities or capabilities.

Founded in 1851, Heraeus Incorporated is a \$9 billion company with an ongoing commitment to investing in research programs and products for a full range of electronics applications.

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