

**Press Release****Heraeus Electronics Wins 2024 Global Technology Award with Innovative magiCu PE401 Copper Pressure Sinter Paste**

Heraeus Electronics is proud to announce that it has been honored with the 2024 Global Technology Award in the category of Best Product – Europe for its magiCu PE401 Copper Pressure Sinter Paste. This prestigious recognition highlights Heraeus' ongoing commitment to innovation in the field of die-attach materials for power electronic device manufacturing. The award was announced at a Wednesday, Oct. 22, 2024 ceremony during SMTA International.

Heraeus Electronics magiCu PE401 represents a significant advancement in die-attach technology. As a copper pressure sinter paste that is free of silver (Ag-free), magiCu PE401 sets a new standard for materials used in power electronics. This innovative formulation addresses the challenges faced in the manufacturing of power electronic devices, providing a reliable, efficient, and high-performance solution.

magiCu PE401 is designed to optimize the die-attach process with its low sintering temperature of 260°C and a short sintering time of just 5 minutes. Additionally, the paste can be used for wet die placement processes. These features enable manufacturers to significantly improve throughput and reduce cycle times, enhancing overall production efficiency. Additionally, magiCu PE401 ensures consistent and reliable joint formation, contributing to the quality and reliability of power electronic devices.

With excellent thermal conductivity and compatibility with standard production processes, magiCu PE401 delivers high-performance die-attach solutions that meet the stringent quality standards demanded by the industry. This innovative sinter paste not only supports the development of more reliable and robust connections, but enhances the efficiency of manufacturing operations.

Since 2005, the prestigious Global Technology Awards have recognized the absolute best new innovations in the printed circuit assembly and packaging industries. It brings together the global SMT and advanced packaging industry in a celebration of the companies and people that are achieving the highest standards and driving our industry forward. For more information, visit [www.globalsmt.net](http://www.globalsmt.net).

To learn more about Heraeus Electronics, visit [www.heraeus-electronics.com](http://www.heraeus-electronics.com).

**About Heraeus**

The Heraeus Group is a broadly diversified and globally leading family-owned technology company, headquartered in Hanau, Germany. The company's roots go back to a family pharmacy started in 1660. Today, Heraeus bundles diverse activities in the Business Platforms Metals and Recycling, Healthcare, Semiconductor and Electronics as well as Industrials. Customers benefit from innovative technologies and solutions based on broad materials expertise and technological leadership.

In the 2022 financial year, the group generated revenues of €29.1 billion (US\$30.6 billion\*) with approximately 17,200 employees in 40 countries. Heraeus is one of the top 10 family-owned companies in Germany and holds a leading position in its global markets.  
(\* calculated with 2022 average exchange rate, 1€ = 1.0530 US\$)

**About Heraeus Electronics**

Heraeus Electronics is a leading manufacturer of materials for the assembly and packaging of devices in the electronics industry. The company develops material solutions for the automotive, power electronics and advanced semiconductor packaging market and offers its customers a broad product portfolio - from materials and material systems to services.

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