



Mattson Technology Ships paradigmE(R) Dielectric Etch System to Leading Asia Foundry

Shipment Marks Company's Fourth Etch Customer

FREMONT, CA, Jan 25, 2010 (MARKETWIRE via COMTEX News Network) -- Mattson Technology, Inc. (NASDAQ: MTSN), a leading supplier of advanced process equipment used to manufacture semiconductors, today announced that it has shipped the Company's latest etch innovation, the paradigmE(R) system, to a leading foundry customer in Asia. The shipment to its fourth etch customer marks Mattson's continued expansion into the growing etch market with enabling products targeting high volume dielectric etch applications, and broadens the Company's future growth opportunities by doubling its served available market.

Commenting on the shipment of the evaluation system, Senior Vice President and General Manager of Mattson Technology's Plasma Products Group, Randy Matsuda, noted, "The rapid adoption of our paradigmE system by both memory and foundry customers further validates the advancement we are making in dielectric etch. Our unique ability to independently control ion energy and ion density while maintaining a very low energy level in the etch chamber allows our customers to realize enhanced process performance as well as improved yield. In addition, the paradigmE is built on our high-productivity platform and offers differentiated etch capabilities at low Cost-of-Ownership."

Matsuda added, "The system was put to the test for a range of challenging dielectric etch applications at the leading technology nodes, and the results were impressive. We look forward to working closely with the customer and continue to validate their confidence in Mattson and our capabilities in meeting their advanced process requirements."

About Mattson Technology, Inc.

Mattson Technology, Inc. designs, manufactures and markets semiconductor wafer processing equipment used in the fabrication of integrated circuits. We are a leading supplier of plasma and rapid thermal processing equipment to the global semiconductor industry. Through manufacturing and design innovation, we have produced technologically advanced systems that provide productive and cost effective solutions for customers fabricating current- and next-generation semiconductor devices. For more information, please contact Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, CA, 94538. Telephone: (800) MATTSON/(510) 657-5900. Internet: www.mattson.com

"Safe Harbor" Statement Under the Private Securities Litigation Reform Act of 1995: This news release contains forward-looking statements. Forward-looking statements address matters that are subject to a number of risks and uncertainties that can cause actual results to differ materially. Such risks and uncertainties include, but are not limited to: end-user demand for semiconductors; customer demand for semiconductor manufacturing equipment; the timing of significant customer orders for the Company's products; customer acceptance of delivered products and the Company's ability to collect amounts due upon shipment and upon acceptance; the Company's ability to timely manufacture, deliver and support ordered products; the Company's ability to bring new products to market and to gain market share with such products; customer rate of adoption of new technologies; risks inherent in the development of complex technology; the timing and competitiveness of new product releases by the Company's competitors; the Company's ability to align its cost structure with market conditions; and other risks and uncertainties described in the Company's Forms 10-K, 10-Q and other filings with the Securities and Exchange Commission. The Company assumes no obligation to update the information provided in this news release.

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