



Mattson Technology Reinforces Foundry Strength With Acceptance of Helios XP RTP System From a Third Foundry

FREMONT, CA -- (MARKET WIRE) -- 02/01/12 -- Mattson Technology, Inc. (NASDAQ: MTSN), a leading supplier of advanced process equipment used to manufacture semiconductors, today announced that it has won acceptance for its Helios® XP rapid thermal processing (RTP) system from a third foundry customer. The Helios XP, which was selected by the customer as a result of its success in enabling advanced transistor production while minimizing cost of ownership, will be used for the volume production and development of next-generation integrated circuits (ICs).

"Our customer selected The Helios XP based on the system's unique ability to minimize wafer stress and pattern loading effects, while providing the full-spectrum temperature control technology required to achieve the transistor density for tomorrow's mobile processors," said Johannes Keppler, rapid thermal annealing (RTA) business leader of Mattson Technology's Thermal Products Group. "The Helios XP has won acceptance for a wide range of advanced thermal applications and is now established in three different logic/foundry customers. We will continue to provide the RTP solutions that deliver the exceptional processing performance and manufacturing flexibility chipmakers require to produce leading-edge high-performance, low-power mobile devices."

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, and operate in three primary product sectors: Dry Strip, Rapid Thermal Processing and Etch. 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. All statements other than statements of historical fact are statements that could be deemed forward-looking statements, including but not limited to statements of the plans, strategies and objectives of management for future operations. Forward-looking statements address matters that are subject to a number of risks and uncertainties that can cause actual results to differ materially from those expressed or implied by such forward-looking statements and assumptions. Such risks and uncertainties include, but are not limited to: macroeconomic and geopolitical trends and events; 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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