



Mattson Technology Ships First paradigmE Etch System to New Region

System Used for Production of Advanced CMOS Image Sensor (CIS) Devices

FREMONT, CA -- (MARKET WIRE) -- 11/07/11 -- Mattson Technology, Inc. (NASDAQ: MTSN), a leading supplier of advanced process equipment used to manufacture semiconductors, today announced that it has shipped the paradigmE® etch system to a major image sensor provider. The system will be used in this manufacturer's fab for the production of advanced complementary metal oxide semiconductor (CMOS) image sensor (CIS) devices.

CMOS image sensors are used in consumer electronics such as digital still cameras (DSCs), digital camcorders, mobile phones and video game handheld devices as well as industrial applications such as automotive, medical and security electronics equipment. According to independent research firm Gartner, the CIS market grew 25% year over year in 2010 and is predicted to grow to 14.1% in 2011. The compound annual growth rate (CAGR) for CIS from 2010 through 2015 is forecasted to be 9.1%.

"To meet the increasing demand for advanced devices cost-effectively, our customers are shrinking CIS devices, which requires high-performance, cost-efficient tools," said Rene George, vice president and general manager of Mattson Technology's Plasma Products Group. "Delivering excellent process performance and better cost-of ownership, the paradigmE will be addressing critical and new etch applications that will help our customer ramp production of its CIS devices for the rapidly expanding global consumer electronics market. This latest order extends our etch presence into a new market and expands our total served market. The paradigmE is now established in three key and growing regions around the world, and we expect these new positions to translate into incremental revenue growth as we move through 2012."

About Mattson Technology, Inc.

Mattson Technology, Inc. designs, manufactures and markets semiconductor wafer processing equipment used in the fabrication of integrated circuits. The company is a leading supplier of plasma and rapid thermal processing equipment to the global semiconductor industry, and operates in three primary product sectors: dry strip, rapid thermal processing (RTP) and etch. Through manufacturing and design innovation, Mattson Technology produces technologically advanced systems that provide productive and cost-effective solutions for customers fabricating current- and next-generation semiconductor devices. The company serves foundries, and memory and logic integrated device manufacturers in the United States, Europe, China, Japan, Korea, Singapore, Taiwan and other Asian countries. For more information, please contact Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, CA, 94538. Telephone: +1-800-MATTSON/+1-510-657-5900. 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.

Mattson Technology Media Contact

Lauren Vu

Mattson Technology, Inc.

tel +1-510-492-6250

fax +1-510-492-5930

lauren.vu@mattson.com

Investor Contact

Laura Guerrant-Oiye

Guerrant Associates

tel +1-808-882-1467

lguerrant@guerrantir.com

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