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Entegris Partners with SEMATECH to Advance Surface Conditioning and Wafer Cleaning Technology for Semiconductor Device Manufacturing

ALBANY, N.Y. and BILLERICA, Mass., - September 16, 2013 -Entegris, Inc. (Nasdaq:ENTG), a leader in contamination control and materials handling technologies for highly advanced manufacturing environments, and SEMATECH announced they have partnered to move forward the development of advanced nanoscale particle removal processes and cleaning technologies for next-generation wafers and devices.

This collaboration will address some of the profound changes taking place in the semiconductor industry that are impacting fundamental aspects of process and equipment design-such as integration of new materials and process technology for sub-20 nm node manufacturing, next-generation lithography requirements and the progression to 450 mm wafers. One key issue relates to the preparation of critical surfaces through the entire semiconductor manufacturing process. Entegris will work with experts from SEMATECH's Nanodefekt Center to develop new technologies and solutions to reduce nano-scale particle contamination during wafer processing.

"We are pleased to partner with SEMATECH to provide early solutions for wafer surface cleaning," said Bertrand Loy, president and CEO of Entegris. "Our goal is to leverage our contamination control expertise to develop filtration and particle detection methods for the most advanced cleaning processes."

"SEMATECH's Nanodefekt Center aims to build industry participation in detecting, modeling, characterizing, and providing solutions for defect issues as geometries shrink below the 10 nm node," said Michael Lercel, senior director of Nanodefektivity and Metrology. "Our partnership with Entegris brings additional expertise to SEMATECH, and in turn will raise the level of our research efforts and further strengthen SEMATECH's commitment in identifying the challenges of future technology nodes."

Built on more than a decade of technical expertise in surface cleaning, particle removal and cleaning technology development, SEMATECH's Nanodefekt Center provides a world leading suite of metrology and analysis capabilities to investigate the generation, propagation, removal, and impact of defects generated by equipment, equipment components, and materials used in advanced semiconductor processes such as lithography, etch, CMP, deposition, and cleaning.

About Entegris

Entegris is a leading provider of a wide range of products for purifying, protecting and transporting critical materials used in processing and manufacturing in the semiconductor and other high-tech industries. Entegris is ISO 9001 certified and has manufacturing, customer service and/or research facilities in the United States, China, France, Germany, Israel, Japan, Malaysia, Singapore, South Korea and Taiwan. Additional information can be found at www.entegris.com.

About SEMATECH

SEMATECH®, the international consortium of leading semiconductor device, equipment, and materials manufacturers, this year celebrates 25 years of excellence in accelerating the commercialization of technology innovations into manufacturing solutions. Through our unwavering commitment to foster collaboration across the nanoelectronics industry, we help our members and partners address critical industry transitions, drive technical consensus, pull research into the industry mainstream, improve manufacturing productivity, and reduce risk and time to market. Information about SEMATECH can be found at www.sematech.org.

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