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MEGTEC's Quass to address key cost and performance issues at 27th International Battery Seminar

Will discuss advances in battery electrode coating, drying and solvent recovery system design on March 17

De Pere, Wis., U.S.A. – March 3, 2010 - Jeff Quass, vice president of global operations – industrial and environmental products for MEGTEC Systems, Inc., will host a session at the 27th International Battery Seminar & Exhibit in Fort Lauderdale, Florida on March 17. Quass will discuss the “Advances in Battery Electrode Coating, Drying and Solvent Recovery System Design” from 11:30 am - 12 noon at the Broward County Convention Center. The four day event runs from March 15-18.

Mr. Quass has over 20 years of experience in engineering, Research & Development, and operations management related to the development and supply of equipment for the advanced web materials processing industries. At MEGTEC, he is responsible for engineering and operations in the Americas and Asia, and is leading efforts to develop new and innovative coating and drying solutions for advanced materials processing industries such as Li-ion battery electrodes, solar films and composites. A graduate from the University of Wisconsin-Madison with a degree in chemical engineering, Quass holds a number of patents and has authored several technical articles on processes and equipment.

Battery electrode chemistry and formulation is at the heart of producing battery cells to achieve a given function such as portable products, power tools and vehicular applications. The demands of the industry are calling for tighter tolerances, higher yields, increased through-put and tighter emissions limits on the solvents used in coating materials.



With this in mind, Quass will examine coating and drying strategies for cathode and anode electrode materials to help with the ever-changing market demands of wide base materials, increased processing speeds and thicker coatings. He will explain how advanced battery electrode production systems can speed the custom development and commercialization of new specifications and technologies.

“These technical demands are helping to drive new and innovative approaches to the unit operations of coating, drying and solvent recovery,” Quass said. “MEGTEC has been involved in developing coating and drying solutions for advanced materials the past 20+ years, and has production machines in the Li-ion industry operating since 2006. We have cutting edge technology that is fast, offers better efficiencies, and provides a complete, customized solution from raw materials to the mixing and solvent recovery processes.”

In August 2009, MEGTEC Systems announced the development of proprietary systems for high efficiency removal, recovery and purification of N-Methylpyrrolidone (NMP) from coating line exhaust air streams in the lithium ion battery manufacturing process. For companies that are involved in the development and testing of lithium ion, lithium sulfur and silver zinc battery coating formulations, MEGTEC offers a simple, easy-to-use laboratory coating line designed for short production runs. MEGTEC also makes available to customers the ability to test, develop and improve their processes by evaluating system variables and components on the in-house pilot lab line at the company’s headquarters in De Pere, Wisconsin.

MEGTEC Systems is a leading global turnkey supplier of custom coating, drying and environmental solutions for applications such as battery electrodes, photovoltaic cells, battery separators, solar films, membranes, clean room processes, and many more. MEGTEC’s vertical or horizontal dryer configurations can effectively dry or cure thin substrates of single-sided or simultaneous two-sided coated webs. For detailed information about the company’s drying and coating line, laboratory coater, pilot coating line or recovery and purification systems, contact Jim Nennig at (920) 337-1529 or submit your inquiry to info@megtec.com. Additional information about MEGTEC’s products and services can be found at www.megtec.com.