

## PRESS RELEASE

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### Sumitomo (SHI) Demag Places SE-EV All-Electric at UMass Lowell's New Emerging Technologies and Innovation Center

**[Norcross, GA]...** Sumitomo (SHI) Demag announced today that the company has placed an SE-EV Series advanced all-electric injection molding machine in the new [Emerging Technologies and Innovation Center \(ETIC\)](#) of the University of Massachusetts Lowell (UMass Lowell).

ETIC is a new, \$80 million, 84,000 square-foot state-of-the-art facility that UMass Lowell states "will be home to cutting-edge research in nanotechnology, molecular biology, plastics engineering and optics that will advance fields such as life sciences, energy, national security, environmental protection and more. Outfitted with specialized, high-powered laboratories and equipment, including a plastics processing high bay, as well as high-tech clean rooms, the ETIC will prepare students for jobs in emerging sectors, serve as the site of corporate- and government-sponsored research and foster industry partnerships in the global marketplace."



*UMass Lowell plastics engineering students Marcela Linares and Mike Wagner meet with Professor Robert Malloy, chairman of the Department of Plastics Engineering, next to the SE50EV all-electric in the University's new Emerging Technologies and Innovation Center.*

[Photo courtesy of Edwin Aguirre for UMass Lowell]

"We are pleased to continue our support and partnership with UMass Lowell's Plastics Engineering Department with another machine placement. Our commitment to advanced technology and innovation is well aligned with the mission of this exciting new technology center, and we congratulate the University on the opening of this impressive

**[MORE]**

**Sumitomo (SHI) Plastics Machinery (America), LLC**

1266 Oakbrook Dr., Norcross, GA 30093; PH: 678.892.7900; Fax: 770.441.9168

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facility,” said John F. Martich III, Chief Operating Officer of Sumitomo (SHI) Demag’s U.S. operations.

According to Professor Robert Malloy, Chair of the Plastics Engineering Department, the SE-EV will be used to support graduate-level research as well as lab experience and practicals for undergraduates. “In addition to process control and other injection molding studies, the machine’s primary use will be testing new compounds developed in our compounding lab. This will include packaging materials with increased barrier properties and specialized compounds for medical applications. Many of these engineering resin compounds require very high injection pressures, and the SE-EV is ideally suited to meet our requirements.”



*UMass Lowell’s new \$80 million Emerging Technologies and Innovation Center*

[Joson Images for UMass Lowell]

The high-performance SE50EV all-electric that has been placed in the lab has a clamping force of 56 U.S. tons, injection and hold pressures up to 39,740 p.s.i., injection speeds up to 19.69 in/sec and a mold open/close speed of 47.24 in/sec.

“The exceptional energy efficiency of this new series of machines was also of particular interest to us. It’s an important aspect of advanced manufacturing technologies and corresponds with the University’s green design concept for this new facility which is targeted to achieve LEED Gold Certification,” Malloy said.

The SE-EV Series all-electric, which was introduced to the North American market earlier this year at NPE 2012, is available in five model sizes from 56 to 202 U.S. tons. Additional information, specifications and videos on the SE-EV can be found at [www.sumitomo-shi-demag.us/seevmain.html](http://www.sumitomo-shi-demag.us/seevmain.html).

For more information on UMass Lowell’s Plastics Engineering Department, go to: [www.uml.edu/engineering/Plastics](http://www.uml.edu/engineering/Plastics). Information on

ETIC can be found at: [www.uml.edu/etic](http://www.uml.edu/etic).

UMass Lowell is a comprehensive, national research university located on a high-energy campus in the heart of a global community. The university offers its more than 16,000 students bachelor's, master's and doctoral degrees in business, education, engineering, fine arts, health and environment, humanities, sciences and social sciences. UMass Lowell delivers high-quality educational programs, vigorous hands-on learning and personal attention from leading faculty and staff, all of which prepare graduates to be ready for work, for life and for all the world offers. [www.uml.edu](http://www.uml.edu)

Sumitomo (SHI) Demag is a worldwide group of companies dedicated to helping plastics processors compete more effectively in the global market. The company manufactures a wide range of high-precision IM machines for diverse applications. Its all-electric platform spans from 8 to 606 U.S. tons, including micro to mid-sized, high-speed, high-duty, vertical, insert, high-speed multi-shot and disc molding machine series. Ultra-high-speed hybrid machines are offered for packaging and other thin-wall applications, plus high-performance hydraulic and toggle machines, including configurable multi-component models, are offered up to 2248 U.S. tons. Equally important, Sumitomo (SHI) Demag has an extensive worldwide network, ensuring customers of sales, parts, training, service and processing support when and where it is needed.

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PR Contact: Susan Hunt Levin

PH: (216) 932-3168; email: [s.hunt.levin@gmail.com](mailto:s.hunt.levin@gmail.com)