PRESS RELEASE

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Sumitomo (SHI) Demag Brings 9 Machines to NPE 2015

- **Booth machine demonstrations range from 33 to 460 U.S. tons and include closures, in-mold labeling, medical, micromolding, $C0_2$ gas-assist, thin-wall and rapid heat/cool applications**

[ORLANDO, FL, NPE BOOTH W623 – March 23, 2015] ...Sumitomo (SHI) Demag opened its NPE 2015 exhibit today with a wide range of machines, new and specialized technologies, market applications and Aftersales capabilities to demonstrate the scope of efficient, profitable molding solutions the company provides molders worldwide.

"For NPE 2015, we placed a greater emphasis on the diversity of applications and innovative molding solutions. The parts and molding demonstrations are more complex, challenging and incorporate technologies that are new to the market — technologies that expand the capabilities and production efficiencies of injection molding," said John F. Martich III, V.P. and Chief Operating Officer of Sumitomo (SHI) Demag's U.S. operations.

The company's new SE-EV-HD high-duty all-electric, for example, is being introduced with a unique new product and in-mold labeling demonstration. The patented SH (Safe Handling) Cup from K·M Planning Ltd. is designed with ribs that protect the hands from the heat of the hot soup or beverages in the cup. The innovative in-mold labeling process fits the label between the ribs and the surface of the cups. (See separate press release.)

Linde LLC's new enhanced Gas-Assist Injection Molding (eGAIM) technology is being demonstrated on the energy-efficient hybrid Systec Servo. In this

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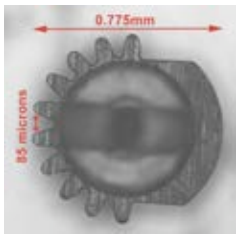
demonstration a long, hollow grab handle is being molded with a $C0_2$ gas-assist (core out) process that significantly reduces cycle time. (See separate press release.)

"In addition to the advanced technology of the injection molding machinery, our NPE exhibit includes the most current products and innovations of 38 partner suppliers and customers. We greatly appreciate their participation in making our exhibit exciting and informative for the visitors to our booth," Martich said.

Other booth demonstrations include:

- An El-Exis SP 420 is running a high-precision, 96-cavity hot-runner mold supplied by Plastisud, France. With the combination of advanced mold technology and a newly optimized machine process, each *hour* the machine will be producing over 180,000 lightweight 1.2-gram HDPE water bottle caps with tamper-evident band molded by mechanical slides. (See 1-15-15 press release.)

- An SE30DUZ direct-drive all-electric equipped with the SL Screw assembly is micromolding a 0.524-gram gear that rotates the surgical blade in a new cataract surgical device. The high-precision POM part, which will be displayed under a microscope, measures just 0.775 mm in diameter with 85 microns between the teeth of the gear. (See 1-15-15 press release.)



- Yamashita Y-HeaT technology is being demonstrated on an SE50EV all-electric molding a 4.46-gram PC drawing stencil in a single-cavity, 3-plate cold runner mold. The Y-HeaT technology prevents warping and weld lines by providing real-time temperature control of multiple independent channels near the mold cavity surface. (See separate press release.)

- An SE100EV all-electric is running an 8-cavity, direct-gated mold that is producing thin-wall, PP, 1000-µl medical disposable pipettes on a 7.8-second cycle. The concept tool (patent-pending technology from Cavaform International LLC) is designed to demonstrate that consistently straighter parts can be achieved with two gates when warranted by the length-to-diameter ratio. (See separate press release.)

- An SE220HDZ high-duty all-electric is molding 53-mm round custom closures for consumer products. The Titherington Design & Mfg. mold contains Roehr Tool Corporation collapsible cores that create an undercut for an assembled

liner. By eliminating the need for unscrewing the cores, no hydraulics are required and cycle time is reduced.

In addition to the seven molding demonstrations in the Sumitomo (SHI) Demag booth, two SE Series all-electrics are being demonstrated in other exhibitors' NPE booths:

- Canon Virginia Inc. is running an SE220HDZ all-electric in NPE Booth W3717.
- Yushin America, Inc. is running an SE100EV all-electric in NPE Booth W763.

Visitors to the Sumitomo (SHI) Demag booth will also see a rebuilt toggle linkage and injection unit plus the popular VDU® retrofit control. Providing efficient, profitable molding solutions that go beyond new machinery, the company's Aftersales team will be on-hand to discuss products and services that improve machine reliability and maintainability, minimize downtime and operational waste, optimize precision and performance, improve energy efficiency and extend effective service life of molders' existing machinery fleets.

Sumitomo (SHI) Demag's worldwide group of companies is 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 (SE and CL series) spans from 8 to 935 U.S. tons, including micro to mid-sized, high-speed, packaging, high-duty, vertical, insert and high-speed multi-shot machine series. Ultra-high-speed hybrid machines (El-Exis SP and Systec SP series) are offered in models from 165 to 825 U.S. tons for packaging and other thin-wall applications. Configurable, high-performance hydraulic and toggle machines (Systec Series), including multi-component models, are also provided for applications from 39 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.

Information on the North American operations of Sumitomo (SHI) Demag can be found at: www.sumitomo-shi-demag.us

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