

## FOR IMMEDIATE RELEASE

July 2007

### Engel introduces all-electric machine technology to traditional rubber molding.

Engel's all-electric tiebarless machine with a fully integrated 6-axis robot will be displayed at the Rubber Expo 2007, processing an original application with Viton® fluoroelastomer. The Engel e-motion 310/110 US machine will run a 64 cavity valve-gated mold, with in-mold slitting.

The part being molded is an OEM check valve, which would traditionally be compression or transfer molded. Traditional molding methods are high labor / high waste. By utilizing the accuracy of Engel's all-electric machine, and the addition of a fully-integrated six-axis robot, Engel will show a solution which eliminates labor, reduces waste and provides the consistency and accuracy required for today's manufacturing environment.

Additional benefits:

- 1) Ability to switch between strip rubber, liquid silicone rubber and even thermoplastics with simple screw and barrel change-over, giving ultimate molding flexibility.
- 2) Repeatability and reliability of an all-electric machine.
- 3) 30 – 40% energy savings compared to traditional hydraulic machines.
- 4) New CC200 intuitive touch screen control panel with an active graphic touch window.

Partners in this display include:

Material: DuPont Performance Elastomers.

Mold: Roembke Mfg and Design Inc of Ossian, Indiana.

Robot: Kuka Robotics Corp. of Clinton Township, MI

A privately owned company, Engel designs and manufactures injection molding machines from 28 to 6000 US tons, and a complete line of part-handling automation. The company combines its unique machine technology with leading processing expertise to deliver *Engineered Molding Solutions*<sup>™</sup> for plastics and rubber processors worldwide. Engel global molding solutions are backed by nine manufacturing facilities throughout Europe, North America and Asia, and customer support in virtually every industrialized country.



*Engel e-motion 60 US all-electric injection molding machine – flexible enough for the rubber industry.*

Contact address for inquiries:

Joann Cathcart, Marketing Communications Co-ordinator, Engel Canada Inc.  
545 Elmira Road, Guelph, Ontario, Canada, N1K 1C2  
Phone: 519 836 0220, ext. 2288, Fax: 519 836 7116  
E-mail: [joann.cathcart@engel-ec.com](mailto:joann.cathcart@engel-ec.com)

Or

Gerd Liebig, Group Marketing Director, ENGEL AUSTRIA GmbH,  
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria, Tel.: +43 (0)50 / 620-0, Fax: -3009  
Email: [gerd.liebig@engel.at](mailto:gerd.liebig@engel.at)

Viton® is a registered trademark of DuPont performance Elastomers.  
DuPont is a trademark of DuPont and its affiliates.