



Dynomax Trades Hydraulic Injection Molding For All-Electric ENGEL e-max Machines

YORK, Pa. – Aug. 24, 2009 – ENGEL e-max is the all-electric injection molding machine of choice for close tolerance, micro injection molder Dynomax, Inc., as they move towards equipment featuring all-electric technology and smaller, more precise injection units. Dynomax recently selected two ENGEL e-max machines for its molding operations.

When Dynomax, Inc., officials began investigating new technologies for its growing injection molding operations early in 2009, they had some serious requirements. “Our drive towards greater quality, smaller, more precise parts and intricate detail is the primary motivator for the newest, most accurate technology available,” explained Richard Mensik, manufacturing engineer with the Chicago area-based manufacturer.

Their investigation led them to the ENGEL e-max. As they became involved in their technology search, “ENGEL quickly rose to the top in both weighted and un-weighted criteria,” said Mensik. “ENGEL also showed a tremendous amount of technical expertise and support. The strength of the service organization was also a critical factor.”

“Dynomax was a great candidate for one of our smaller, all-electric machines,” said Larry Davis, an ENGEL account manager. “They were running all lower-tonnage hydraulic machines and wanted to move to electric. They needed to have a very fast injection speed and still hit extremely tight tolerances. But they were limited on floor space. I felt the ENGEL e-max would be a great match.

-more-



Dynomax designs, manufactures and develops high-precision machined components and specialty machines for the aerospace, military, transportation and medical industries. The company is a premier injection molder of thermoplastics and silicones, utilizing vertical and horizontal insert, as well as multi-component capabilities.

The company had traditionally utilized hydraulic equipment, and was looking at all-electric injection molding machines for the first time. “We immediately saw benefits to the electric technology in terms of energy consumption, process repeatability and shot control,” Mensik said.

The ENGEL e-max offers the highest levels of performance, precision and flexibility in a cost-effective package that fits in a small industrial footprint. Available in sizes from 55 to 200 US tons and fitting in a space as small as 12 x 4 feet (for the 55 ton machine), the e-max is designed to ENGEL’s stringent quality and reliability standards.

The ENGEL e-max features highly-integrated control and parallel drive technology for increased performance. The lubrication-free tie bars and enclosed belt drives make the e-max suitable for use in cleanroom operations. In addition, ENGEL’s e-max can reduce energy consumption by 60 percent compared to a hydraulic machine.

“The small footprint (of the ENGEL e-max) was advantageous,” said Mensik, “but more critical was the precision and repeatability of the injection unit. Ease of controller use was also a strong consideration. It doesn’t matter how powerful a machine is if you can’t use it. We felt that the control system was easier to interface with.”

-more-



ENGEL conducted two mold trials on the e-max with Dynamax's molds, according to Davis. "The Dynamax processing personnel also had hands-on time with our control units so they could see that the ENGEL e-max controls were intuitive and easy to use," he said. "In addition, the ENGEL e-max allows molders to tie back their center knock out, a feature other electric machines don't offer."

Dynamax will run several series of products on the new e-max machines. In addition, because they specialize in products for strictly controlled or clean room applications, the company is expanding its product offerings into such markets as medical, electronics, connectors and gears. "We also have extensive experience with specialized resins for these markets, and we believe the acquisition of the ENGEL e-max machines will strengthen our position in these respective areas," Mensik said.

The company plans to continue replacing their hydraulic machines with electric technology. According to Mensik, "Growth is our primary driver for new equipment, and better technology will determine our path. A large part of our decision to go with ENGEL was predicated on partnering with a supplier capable of providing product for all of our needs."

-30-

ENGEL North America

From facilities in the United States, Canada and Mexico, ENGEL North America provides its customers a single source for design and manufacture of injection molding machines for thermoplastics and elastomers, a full range of plastics processing technology modules and a full scope of automation solutions. With eight production plants in Europe, North America and Asia (China, Korea), subsidiaries in 17 countries and representatives in over 70 countries, ENGEL North America provides its customers the global support they need to compete and succeed with new technologies and leading-edge production systems. For more information, visit www.engelglobal.com/na.

Press release



Contacts:

Joann Cathcart, Marketing Communications Coordinator, ENGEL North America
545 Elmira Road, Guelph, Ontario, Canada, N1K 1C2, Tel.: 519-836-0220,
fax: 519-836-7116
Email: joann.cathcart@engelglobal.com

Gerd Liebig, Group Marketing Director, ENGEL AUSTRIA GmbH
Ludwig-Engel-Strasse 1, A-4311 Schwertberg/Austria, Tel.: 011 43 50 6200,
Fax: 011 43 50 620 3009
Email: gerd.liebig@engel.at

Julie Pompa, APR, The Lauerer Markin Group
1700 Woodlands Dr., Maumee, Ohio 43537 USA Tel.: 1.419.887.6827, Fax: 1.419.893.1050
Email: juliep@LMGnet.com