

Continuing to boost cycle time and improve energy efficiency

New ENGEL Packaging Centre launched

Schwertberg, Austria – May 2022

Rising energy prices, establishing a circular economy and changing consumer needs pose serious challenges for manufacturers of plastic packaging. Injection moulding machine manufacturer ENGEL has established a new Packaging Centre to help its customers in this demanding industry further boost the performance of production cells and ensure their competitiveness. Some 300 international guests came to Austria mid-May for the inauguration of the new Technology and Expertise Centre.

"Cycle time and energy efficiency are the most important key efficiency indicators in the packaging industry. And injection moulding solutions by ENGEL lead the field in both sectors", says Christoph Lhota, Vice President of Business Unit Packaging at ENGEL. "This is precisely what we demonstrate at the Packaging Centre. We invite our customers to put our injection moulding machines through their paces here".

Fit-for-purpose production cells for a wide variety of packaging requirements are available at two locations – Schwertberg and St. Valentin. They include all-electric e-cap high-performance machines for manufacturing caps and flip-top lids, e-speed machines for thin-walled containers and pails, and duo speed dual-platen machines for large containers. In addition to this, all-electric e-mac injection moulding machines can be used at the ENGEL technology centre. After all, this series is also increasingly seeing use in packaging applications in the mid-performance segment, frequently for processing recycled material.

Focus on energy efficiency, the circular economy and digitalisation

Energy efficiency, the circular economy and digitalisation are the central topics which the new ENGEL Packaging Centre addresses. All of the injection moulding machines are equipped with smart assistance systems from the ENGEL inject 4.0 programme. For example, with iQ weight control, which detects fluctuations in the shot volume and material viscosity.

ENGEL
be the first

ENGEL AUSTRIA GmbH | A-4311 Schwertberg | tel: +43 (0)50 620 0 | fax: +43 (0)50 620 3009
sales@engel.at | www.engelglobal.com

ty and automatically compensates for them in the same cycle. The latest series of tests have shown that the software achieves notable quality improvements in high-performance applications with very short cycle times. iQ flow control, which controls the temperature differences in the individual cooling circuits to maintain the set value, is a further example. In doing so, this smart assistance system ensures constant temperature control conditions, while at the same time clearly reducing the energy consumption required for temperature control.

"The key to high energy efficiency is the individual plant components harmonising in the best possible way. In each case, we individually adapt the production cell to the requirements of the product to be manufactured", says Lhota. ENGEL offers the optimum drive technology for every packaging application with a wide range of injection moulding machines. From all-electric, through hybrid, to servo-hydraulic.

ENGEL customers can bring their own moulds, and also their own materials, to the new Packaging Centre for a hands-on performance test including cycle time and energy efficiency analyses. On top of this, ENGEL provides many moulds from the various product groups on site. This offering is rounded off by a wide range of peripheral systems from various partner companies as well as automation solutions developed both in-house and by partners such as Campetella and Beck automation.

World premiere: rPP for food packaging

Some 300 customers and partners of ENGEL accepted the invitation to Schwertberg and St. Valentin for the Packaging Center opening ceremony in mid-May. There were fascinating keynotes, panel discussions and live machine exhibits at both locations. The prominent speakers included technology and material suppliers and brand-name packaging producers. For example, Prof. Edward Kosior from Nextek talked about the food packaging production opportunities opened up by rPP. To fit the occasion, ENGEL staged a world premiere, presenting injection moulding of polypropylene, recycled following post-consumer collection, for the first time. The opening of the ENGEL Packaging Centre established a globally acknowledged landmark on the path to a circular economy for plastics. "We have closed yet another open material cycle", says Christoph Lhota.



ENGEL inaugurated its new Packaging Centre with some 300 customers and partners. Production cells are available for customer tests and performance analyses at the Schwertberg and St. Valentin locations.

Pictures: ENGEL

ENGEL AUSTRIA GmbH

ENGEL is one of the global leaders in the manufacture of plastics processing machines. Today, the ENGEL Group offers a full range of technology modules for plastics processing as a single source supplier: injection moulding machines for thermoplastics and elastomers together with automation, with individual components also being competitive and successful in the market. With nine production plants in Europe, North America and Asia (China and Korea), and subsidiaries and representatives in more than 85 countries, ENGEL offers its customers the excellent global support they need to compete and succeed with new technologies and leading-edge production systems.

Contact for journalists:

Ute Panzer, Vice President Marketing and Communications, ENGEL AUSTRIA GmbH,
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria,
Tel.: +43 (0)50/620-3800, Fax: -3009, E-mail: ute.panzer@engel.at

Susanne Zinckgraf, Manager Public Relations, ENGEL AUSTRIA GmbH,
Ludwig-Engel-Strasse 1, A-4311 Schwertberg, Austria
PR Office: Theodor-Heuss-Strasse 85, D-67435 Neustadt, Germany,
tel.: +49 (0)6327 976 9902, fax: -03, e-mail: susanne.zinckgraf@engel.at

Contact for readers:

ENGEL AUSTRIA GmbH, Ludwig-Engel-Strasse 1, A-4311 Schwertberg, Austria,
Tel.: +43 (0)50 6200, fax: -3009, e-mail: sales@engel.at

Legal notice:

The common names, trade names, product names and similar cited in this press release are protected by copyright. They may also include trademarks and be protected as such without being specifically highlighted.

www.engelglobal.com

ENGEL
be the first

ENGEL AUSTRIA GmbH | A-4311 Schwertberg | tel: +43 (0)50 620 0 | fax: +43 (0)50 620 3009
sales@engel.at | www.engelglobal.com