

ENGEL opens new customer technical centre at large machine plant in St. Valentin

Schwertberg, Austria – June 2022

ENGEL has opened a new customer technical centre at the large machine plant in St. Valentin. With a great number of large injection moulding machines on show for a diverse range of uses, ENGEL now offers its customers an even greater opportunity to get to know and test products and technologies by ENGEL in an environment that is close to real life. The focus of this extended offering is on energy efficiency, digitalisation and the circular economy.

The Austrian injection moulding machine manufacturer, headquartered in Schwertberg, has invested more than 14 million euros in the new technology centre at the large machine plant in St. Valentin. With a total floor space of 3400 square metres, ENGEL has more than doubled the technology centre capacity at the location.

The machinery is divided into four sections. The Applications Technology Centre for the dual-platen large duo series machines produced at the location, the Machine Technology Centre of the Technology Center for Lightweight Composites, and the Packaging Centre are available to ENGEL customers for demonstrations, trials and joint developments. ENGEL uses a fourth area for its own development work.

Focus on sustainability

The Applications Technology Centre features several ENGEL injection moulding machines with clamping forces of 7000 to 17000 kN. They also include a 15000-kN large combi M type machine with an indexing table. And also a duo injection moulding machine with 9000 kN clamping force which is designed for the two-stage process developed by ENGEL. With the new process, ENGEL makes it possible to process plastic waste as flakes in injection moulding directly after grinding; this in turn substantially increases the energy efficiency in plastics recycling.

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

The Center for Lightweight Composite Technologies has grown, too. In addition to a v-duo 1700 with a vertical clamping unit, the machinery includes an insert 130 vertical machine and a duo 1700 horizontal machine with two easix articulated robots for composites processes. All of the production units are equipped with IR ovens developed and produced by ENGEL in-house. Beyond this, ENGEL is demonstrating an innovative tape laying process at the Centre for Lightweight Composite Technologies.

The Packaging Centre is a new offering by ENGEL to its customers in the packaging industry. Rising energy prices, establishing a circular economy and changing consumer needs pose serious challenges for manufacturers in this industry. At the Packaging Centre, ENGEL is presenting a transparent approach to boosting both the output and efficiency of the production cells in the high-performance range and ensuring competitiveness. The Packaging Centre is spread over two locations, Schwertberg and St. Valentin in Austria. A duo speed with a clamping force of 9000 kN is available in St. Valentin for the production of pails and containers with a high recycled material content, for example, along with an e-speed injection moulding machine with a clamping force of 4200 kN, which is used, for example, to produce margarine pots in thin-wall technology.

All told, the new technology centre showcases numerous injection moulding technologies for a wide variety of industries, such as automotive, technical moulding or packaging. They include surface technologies such as foilmelt, clearmelt and DecoJect, sandwich technologies such as coinjection and skinmelt, foammelt structural foam moulding, coinmelt injection-compression moulding, multiple-component processes using the combimelt method, and composite technologies, such as organomelt and HP-RTM. All of the machines are generously equipped with digital solutions from ENGEL's inject 4.0 programme. Digitalisation is an important precursor to climate-neutral production. The ENGEL technology centre clearly demonstrates what impact digital solutions can have on each ENGEL customer's application.

The largest investment programme in the history of the company

The opening of the technology centre at St. Valentin sees ENGEL conclude the largest investment programme in the history of the company. In recent years, ENGEL has invested more than 375 million euros all told in the expansion and modernisation of its global production plants and stuck to its objectives through the automotive crisis and the Corona pandemic. The largest project was the expansion of the large machine plant in St. Valentin. In addi-

tion to building the new technology centre, various production areas were modernised and a new office building created.



Plenty of space for technology demonstrations, customer trials and development work. The construction of the technology centre at the large machine plant, St Valentin, sees ENGEL double the technology centre floor space.



Large machines from the ENGEL duo series are produced at the ENGEL large machine plant in St. Valentin. Apart from the new technology centre, a new office building was constructed at the location.

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