

ENGEL Spain celebrates Equiplast premiere

Integrated injection moulding solutions and strong service footprint for the Spanish market

Schwertberg/Austria – May 2026

With ENGEL Spain, a new chapter begins in the Spanish market: for the first time, the ENGEL Group appears at Equiplast 2026 under this name, combining its established local presence with international technology expertise. What customers have valued for decades remains, and is complemented by stronger service and direct access to the global solutions portfolio.

The Barcelona site remains the central point of contact for sales, service, training and application engineering. For customers in Spain, this means short response times, local contacts and more direct access to a broad portfolio of integrated machine and automation solutions, as well as digital assistance systems.

At Equiplast 2026, the ENGEL Group uses several exhibits to show how continuous production cells can be used to improve component quality, output and resource efficiency and to specifically reduce unit costs.

Tie-bar-less ENGEL victory 120 for compact, automated IMD production

Together with its sales and service partner Garcia Tamayo, ENGEL Spain shows a fully automated production solution centred around a tie-bar-less victory 120 injection moulding machine with 1,200 kN clamping force.



Image 1: The tie-bar-less ENGEL victory 120 creates more space for mould and automation, enabling compact production cells, lower investment costs and shorter set-up times.

In applications with large moulds and integrated automation, ENGEL tie-bar-less technology with large platens and free mould space plays to its strengths. This opens up more degrees of freedom in the design of the production cell and in many cases makes it possible to use a smaller machine. This reduces investment costs. At the same time, the good accessibility facilitates mould changes and shortens set-up times, thereby increasing OEE.

In the production solution, a demo plate with an IMD decorative film from Leonhard Kurz is produced. The film is inserted into the mould via a film feed from Kurz, punched out there in a mould from Schöfer and then back-injected with Makrolon polycarbonate. The component weight is 48 grams, the cycle time 55 seconds. A film overlap is initially created on the component. The finished part is removed by a viper 20 linear robot, which is fully integrated into the ENGEL CC300 machine control. The film overlap is then removed fully automatically at a milling station.

The transfer head and the milling station come from Garcia Tamayo, a long-standing partner of ENGEL. The company supports customers in several regions of Spain in sales and service. For processors, this means local support and at the same time access to the entire automation portfolio from ENGEL. The production cell shown at Equiplast thus demonstrates how ENGEL Spain, together with regional partners, implements compact and fully automated production solutions in a customer-oriented way for the Spanish market.

All-electric compact ENGEL e-mac 200 for high output in packaging

In a production cell with an e-mac 200 injection moulding machine with 2,000 kN clamping force, ENGEL shows how high output and all-electric precision can be combined in packaging.



Image 2: The all-electric ENGEL e-mac 200 enables high output, precise process control and energy-efficient series production in packaging.

In this solution, oil closure caps made of LLDPE are produced in a 24-cavity mould with a total shot weight of 39.6 grams in a cycle time of only 5.5 seconds. To further shorten the cycle time, the parts

are freely discharged onto an automatic Z-conveyor belt from ENGEL, which is also fully integrated into the CC300 machine control.

The production cell is consistently designed for high volumes with precise and reproducible production at the same time. Especially in multi-cavity applications with short cycles, stable process control is a key factor in cost efficiency and part quality. The all-electric e-mac creates the prerequisites for this with precise motion sequences, high repeatability and energy-efficient operation.

In addition, there is the compact design of the machine. It supports processors in using the available production space efficiently and implementing highly automated packaging applications cost-effectively, even where space is limited. The e-mac is therefore particularly suitable for series production where high output, consistent quality and low energy costs need to come together.

ENGEL e-motion 220 for high-speed thin-wall production with in-mould labelling

With a cycle time of only 3 seconds, ENGEL demonstrates in a production solution with an all-electric e-motion 220 injection moulding machine with 2,200 kN clamping force a high-performance application for the packaging sector. Thin-wall ice cream containers made of PP copolymer are produced in a 4-cavity mould with in-mould labelling.



image 3: The all-electric ENGEL e-motion 220 stands for high performance in thin-wall injection moulding and enables short cycle times, high output and precise process control.

The high-performance injection unit of the e-motion increases injection speed by almost 67 percent compared to standard solutions. The new digital assistance system iQ weight control plus analyses the injection process in real time even at these high speeds and automatically adjusts the switchover point and holding pressure within the same shot, either speed-controlled or pressure-controlled after entering only two values. Fluctuations in shot weight are reliably compensated even with tight tolerances. This is crucial for consistently high component quality, especially in thin-wall injection moulding. Scrap can be reduced by up to 50% with iQ weight control plus.

The IML automation in this production solution comes from the French specialist PAGÉS.

For processors, this means combining high output with stable process control and reproducible quality. This facilitates compliance with tight specifications and improves cost efficiency in high-performance production.

WINTEC t-win 6500 for the cost-efficient production of large parts

The t-win from WINTEC is characterised by its robust two-platen design for applications with large moulds and high clamping forces. Short-stroke pressure cushions enable short cycle times, while synchronous locking and the servo-hydraulic drive operate quickly and energy-efficiently. High energy efficiency, a compact footprint and optimised maintenance accessibility reduce total operating costs and lead to a fast return on investment.



Image 4: The WINTEC t-win 6500 enables the cost-efficient production of large parts with short cycle times and high process stability.

At the trade fair, fruit crates made from a BH381MO polypropylene from Borealis with a shot weight of 490 grams are produced on a WINTEC t-win 6500 with 6,500 kN clamping force in a cycle time of only 18 seconds. The finished parts are removed from the mould by an ENGEL viper 20 linear robot fully integrated into the C3 machine control and placed on a conveyor belt. The close integration of robot and machine within one control system relieves the operating personnel, increases stability in production and shortens cycle times through optimised motion sequences.

With iQ weight control, viscosity fluctuations are also automatically compensated within the same shot in this exhibit. This increases component quality while reducing scrap. For processors who want to produce large parts cost-efficiently and with robust process control, the t-win therefore offers a powerful and cost-efficient solution.

Increased system availability and lower costs through AI-based assistance systems



Image 5: inject AI improves process stability, reduces scrap, lowers production costs and increases system availability through AI-based process optimisation.

In the Expert Corner at the exhibition stand, ENGEL shows how production processes can be specifically stabilised and further developed with digital assistance systems and AI-based applications. With the inject AI product family, ENGEL provides injection moulding processors with digital assistance systems for a data-based and learning production environment.

Systems such as iQ weight control, iQ clamp control, iQ flow control, iQ melt control and iQ motion control automatically intervene in quality- and efficiency-relevant process variables. iQ weight control compensates for viscosity fluctuations in real time and achieves up to 85% less weight variation. iQ clamp control automatically adjusts the clamping force, thereby reducing mould stress and lowering energy consumption during clamping force build-up by up to 10%. iQ flow control stabilises temperature control and reduces energy costs in production by up to 18%; iQ melt control automatically optimises the relevant process variables for plasticising, which leads to rapid series production.

In addition, the iQ process observer uses AI to analyse more than 1,000 process parameters, detects abnormalities at an early stage and provides specific guidance for process control in order to avoid scrap before it occurs. This increases process reliability, improves OEE and relieves the operating personnel. Added to this are the ENGEL Virtual Assistant, which makes system-specific knowledge quickly available, as well as AI-based applications such as the part finder, with which spare parts can be identified by photo.

For processors, ENGEL's digital assistance systems mean less effort in process monitoring, faster responses to deviations, less scrap and higher system availability. At the same time, machine and personnel resources can be used more specifically, further reducing production costs.

Visit us at our stand: Pavillon 3, Level 0, Street C, Stand 53

Images: ENGEL

ENGEL AUSTRIA GmbH

ENGEL is one of the global leaders in the manufacture of injection moulding 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 eleven production plants in Europe, North America, Mexico and Asia (China, Korea and India), 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.

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