

ENGEL at Plast Eurasia 2025:

All-electric efficiency for packaging and medical technology

Schwertberg, Austria – November 2025

From 3 to 6 December, ENGEL demonstrates its leading position in injection moulding technology at Plast Eurasia 2025 in Istanbul by running two highly productive all-electric machines with a compact footprint. The company places an ENGEL e-mac 130 for medical applications and a WINTEC e-win 1800 for the packaging market at the centre of its stand. With these two exhibits, ENGEL shows how technological innovation transforms economic efficiency, process stability and energy savings into tangible customer benefits.

The Turkish plastics industry is a dynamic market that is placing increasing emphasis on sustainable and efficient production solutions. ENGEL addresses this demand with its portfolio of all-electric injection moulding machines, known for their precision, high efficiency and low operating costs.

Turkish premiere: The all-electric WINTEC e-win



Image 01: The all-electric e-win 1800 combines a compact design with high cost-efficiency for productive high-volume manufacturing.

Following its successful European premiere at K 2025, the WINTEC e-win 1800 now makes its debut in Istanbul. This machine combines a compact footprint and high precision with an attractive price-performance ratio. The WINTEC brand specifically targets users who need robust standard

machines with short delivery times. At the exhibition stand, a 1,800 kN e-win demonstrates its performance capabilities by producing flip-top caps from random PP in an 8-cavity mould. Each shot weighs 32 grams, and the cycle time remains under 10 seconds.

The e-win delivers clear customer value through outstanding cost efficiency. Users benefit from short lead times and consistent quality based on ENGEL expertise. Its all-electric drives ensure high energy efficiency and exceptional process stability. A key contributor to excellent part quality is the digital assistance system iQ weight control, which analyses the filling behaviour for every shot and adjusts the holding pressure curve in real time. This reliably compensates for fluctuations in material viscosity and reduces scrap by up to 50 percent. The result: higher productivity and lower unit costs – a decisive competitive advantage for mass production.

Compact precision for medical technology: The ENGEL e-mac 130

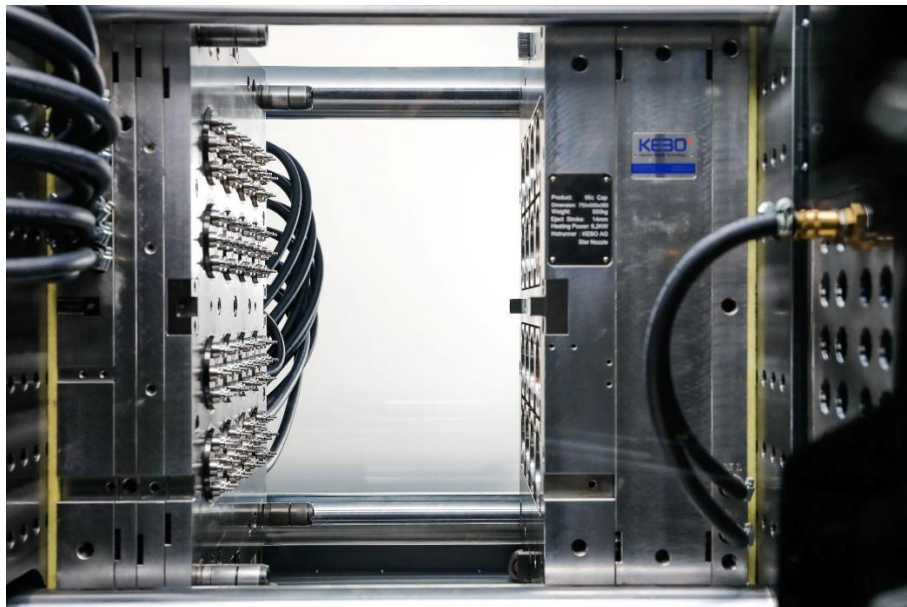


Image 02: The mould area of the all-electric e-mac 130 with the 96-cavity mould demonstrates precise, high-output manufacturing in a space-saving production setup.

The second highlight is a highly integrated, space-saving production cell for medical applications. At its core, an all-electric ENGEL e-mac 130 injection moulding machine with 1,300 kN clamping force produces pen needle shields from PP in a 96-cavity mould. With a part weight of just 0.14 grams and a cycle time of 6.2 seconds, this application clearly demonstrates the precision and performance of the ENGEL e-mac series.

The key customer benefit lies in maximising output per square metre in high-cost cleanroom environments. The extremely compact footprint of the e-mac, combined with the high-cavity mould,

enables a very high production volume per square metre. The precise, servo-electric drives ensure consistently high part quality and cleanliness. ENGEL offers the machine with a comprehensive cleanroom package up to ISO Class 7, including stainless steel covers and an enclosed lubrication system.

Digital assistance systems such as iQ weight control, iQ clamp control, iQ hold control, iQ melt control, iQ process observer and iQ flow control ensure maximum process reliability and energy efficiency. iQ flow control, in particular, optimises the energy consumption of mould temperature control and significantly reduces operating costs. Fully automated part handling via a box transfer system – compatible with automated guided vehicles (AGVs) – completes this highly efficient production solution.

With its two exhibits at Plast Eurasia 2025, ENGEL shows how all-electric machine concepts and intelligent digitalisation translate into tangible benefits for plastics processors: greater cost efficiency, increased process reliability and a sustainably improved competitive edge.

[Visit us at Plast Eurasia: Hall 11, Stand 1112](#)

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 twelve 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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