

Press release

WINTEC e-win combines high-volume production with high availability

ENGEL presents an integrated [production cell for automotive connectors](#) and debuts the viper 6 at Fakuma 2026

Schwertberg, Austria – September 2026

High-volume production, reimagined: With the electric WINTEC e-win 1800 and the new viper 6, ENGEL demonstrates how standard components such as automotive connectors can be manufactured cost-effectively and reliably at scale. At the heart of the presentation is a fully integrated production cell, from injection moulding through to automation. The WINTEC range has already proved itself in the field: hundreds of machines are in operation at customer sites and have demonstrated their reliability in everyday production. This is a solution designed for manufacturers who need to remain competitive under intense cost pressure.

Manufacturers of technically straightforward standard components in large volumes – such as connectors, cable ties and wall plugs – face intense cost pressure. Margins are tight, price increases are difficult to pass on, and competition from lower-cost production locations is fierce. To succeed, they need a production solution tailored to these demands. At Fakuma 2026, ENGEL will demonstrate what that looks like in practice with a WINTEC e-win 1800, offering operators three key advantages:

- **Low investment costs:** The machine is sized precisely for the application, keeping investment and operating costs down.
- **High availability:** Digital assistance systems maintain process stability even when ambient conditions change.

- **CE-compliant cell from a single supplier:** The machine, robot, safety enclosure and conveyor belt are supplied as one tested, CE-compliant unit, eliminating the need for a separate conformity assessment of the complete cell by the operator.

128 cavities, an 8-second cycle: 57,600 parts per hour

For this application, ENGEL uses the all-electric WINTEC e-win 1800 with 1,800 kN of clamping force and an injection unit size of 640 – precisely the size and specification needed for technically straightforward standard components. The figures for the exhibit show what the cell can deliver in practice: the mould has 128 cavities and runs at a cycle time of 8 seconds. That equates to 57,600 parts per hour – a tangible measure of the high-volume output at the heart of this application.

Stable production with digital assistance

When margins on standard components are tight, every minute of downtime matters. The production cell is designed for high availability. iQ weight control plus automatically compensates for process fluctuations and responds if individual cavities fail. This helps maintain consistent part quality even when production conditions change. If a fault does occur, customers can draw on ENGEL's global service network for prompt on-site support. This reduces downtime and strengthens their competitiveness against manufacturers in lower-cost locations.

Premiere: the new viper generation in action

Making its Fakuma debut, the new viper 6 removes the sprue in this application. The latest generation of the smallest robot in the viper range features redesigned axis profiles and a choice of strokes, allowing it to fit into cells of different sizes. The finished parts drop freely onto a conveyor belt, which transports them to a collection container at the side – a simple, robust and particularly reliable process well suited to high-volume standard applications.

Well connected: strong partners behind the production cell

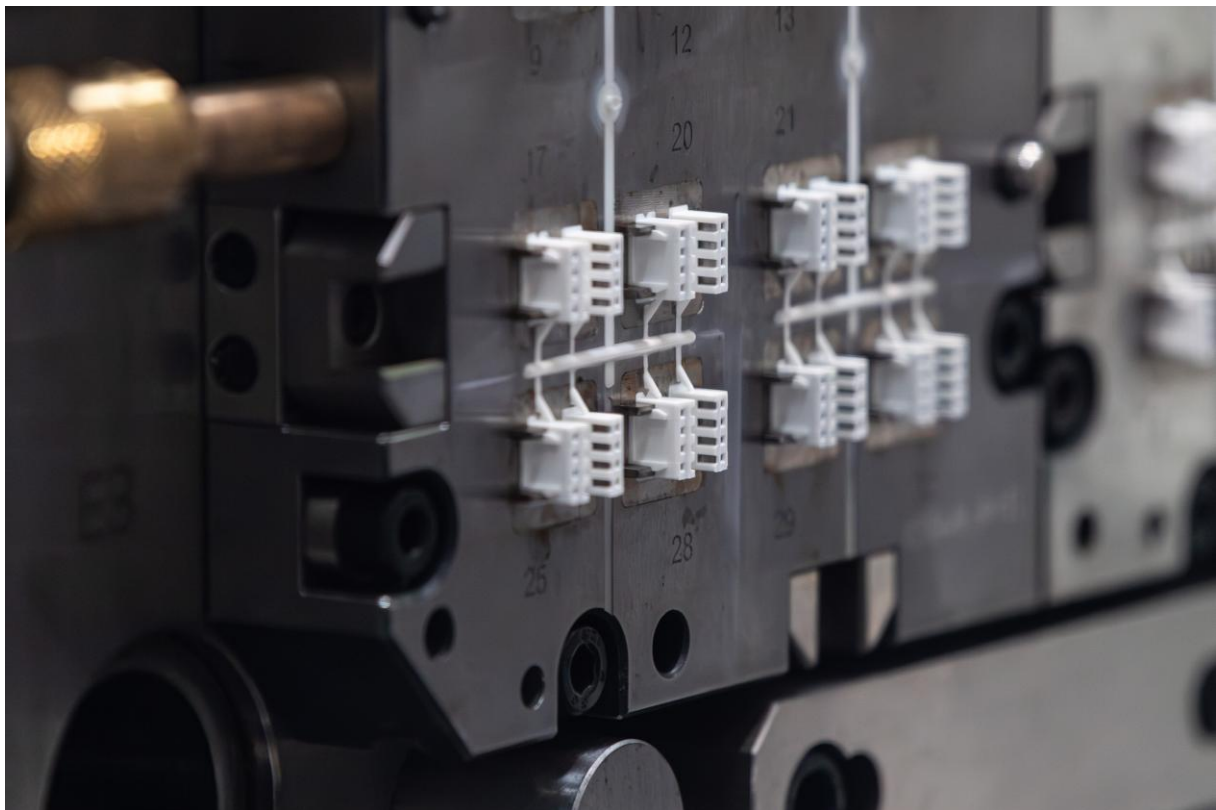
The cell produces a genuine automotive component already manufactured in series: a connector part measuring approximately 10 × 6 mm. The mould comes from CWB Technology Germany GmbH, based in Frankfurt am Main. With roots in China, the company specialises in connectors for automotive electronics and electrical systems. Material conveying and drying equipment is supplied by the Italian Piovan Group, a specialist in automation solutions for plastics processing. The cell's temperature control units are supplied by ENGEL.

See the production cell in action at Fakuma in Hall A5, Stand 5203.

If you publish this release, please send a link to the published article to susanne.schroeder@engel.at or a copy of the publication to: ENGEL Austria GmbH, Susanne Schröder, Ludwig-Engel-Straße 1, A-4311 Schwertberg, Austria. susanne.schroeder@engel.at

Images: ENGEL

Image 01



A look inside the WINTEC e-win 1800: the connector component, measuring approximately 10 x 6 mm, is a genuine series-production part for the automotive industry.

Alt text: Close-up of an open injection mould in the WINTEC e-win 1800, with white connector components.

Image 02:



High-volume production, reimagined: the complete solution featuring the WINTEC e-win 1800 and the new ENGEL viper 6 brings injection moulding and automation together in an integrated production cell.

Alt text: WINTEC e-win 1800 with ENGEL viper 6 linear robot in a production hall.

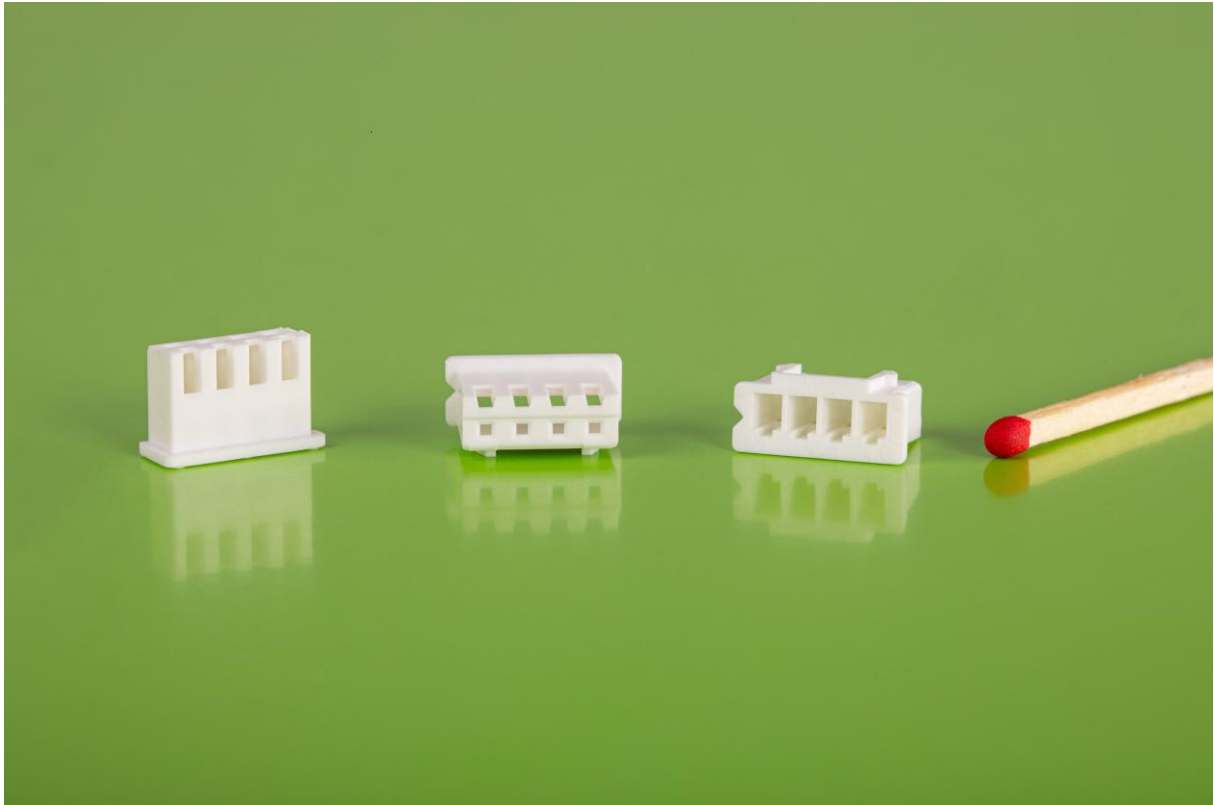
Image 03:



The mould produces 128 connector components at a time. At an 8-second cycle time, this amounts to 57,600 parts per hour.

Alt text: Open 128-cavity injection mould with white connector components in the WINTEC e-win 1800.

Image 04



Three views of a series-produced automotive component: the connector part, measuring approximately 10 × 6 mm, is made on the WINTEC e-win 1800.

Alt text: Three views of a small white connector component against a green background, with a matchstick for scale.

ABOUT WINTEC

WINTEC is a brand of the ENGEL Group, benefiting from the group's worldwide sales and service network as well as its many years of engineering expertise.

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.

Contact for journalists:

Susanne Schröder, PR-Manager, ENGEL AUSTRIA GmbH,
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria
Tel.: +49 (0)160 96 29 0536, email: susanne.schroeder@engel.at

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