Press Release December 2025

Efficiency meets economy

WITTMANN Group at Swiss Plastics Expo 2026

During the Swiss Plastics Expo 2026 from January 20 to 22 in Lucerne, Switzerland, the WITTMANN Group will be focusing on precision and efficiency. At its booth B 2041 in hall 2, two live exhibits will demonstrate how high demands on precision and reproducibility can be met efficiently and economically.

The all-electric EcoPrimus injection molding machine with 1000 kN clamping force has been specially developed to combine efficiency with high cost savings for standardized applications requiring only a small range of options. There will be no compromises in terms of easy operation. Like all other current injection molding machine models from the WITTMANN Group, the EcoPrimus comes equipped with the latest Unilog B8X machine control system.

This new machine is predestined for efficient manufacturing of mass products. During the Swiss Plastics Expo, an EcoPrimus 100/525 will produce closing caps for eyedrop bottles. For this purpose, a 24-cavity mold from HTW will be used. The parts will be removed by a W918 linear robot from WITTMANN, deposited on a conveyor belt and passed on directly to a tubular bag machine supplied by Ravizza Packaging to be packaged.

Micro injection molding with 3D-printed nanostructures

Structures measuring 0.04 x 0.04 x 0.1 mm and corner radii down to 0.005 mm – these are the requirements for a lab-on-a-chip application which will challenge a MicroPower injection molding machine at the WITTMANN booth.

The all-electric MicroPower machine specially developed for injection molding of extremely small micro parts is not only compact and energy-efficient, but also helps to save material. For the design of this machine makes it possible for the injection plunger to reach all the way down to the parting line of the mold. This reduces the melt cushion to a minimum, and the sprue is significantly reduced or even eliminated altogether. This structural specialty not only increases material efficiency, but also improves quality consistency, since pressure transmission is achieved via an extremely short flow path.

In just two square meters, the MicroPower machine concept combines a rotary table, auxiliaries, automation, temperature control unit, quality assurance, and other process units. A laminar flow box can be easily integrated for cleanroom applications.

The lab-on-a-chip devices will be produced on a MicroPower 15/10 from transparent PP. 3D-printed 2-cavity mold inserts from NanoVoxel inside a basic tool box from Ernst Wittner will be used.

The MicroPower will be equipped with the new WITTMANN robot model W9VS2. What is new: The Scara robot will now also be delivered with a full-fledged R9 robot control system. This offers users more scope for complex process sequences and enhanced integration into the B8X machine control system.

WITTMANN at Swiss Plastics Expo 2026: Halle 2, Stand B 2041

The new all-electric EcoPrimus injection molding machine is ideal for the efficient production of mass-produced parts. A 24-cavity mold will be used at Swiss Plastics Expo.

At Swiss Plastics Expo, an all-electric EcoPrimus 100 injection molding machine produces closures for eye drop bottles.

The MicroPower work cell combines everything needed for production in just two square meters.

The lab-on-a-chip has nano-fine structures that are visible under a microscope—made possible by 3D-printed mold inserts.

At Swiss Plastics Expo, the MicroPower is equipped with the new WITTMANN W9VS2 robot. It features a full-fledged R9 robot control.

Pictures: WITTMANN Group

The WITTMANN Group

The WITTMANN Group is a globally leading manufacturer of injection molding machines, robots and auxiliary equipment for processing a great variety of plasticizable materials – both plastic and non-plastic. The group of companies has its headquarters in Vienna, Austria and consists of two main divisions: WITTMANN BATTENFELD and WITTMANN. Following the principles of environmental protection, conservation of resources and circular economy, the WITTMANN Group engages in state-of-the-art process technology for maximum energy efficiency in injection molding, and in processing standard materials and materials with a high content of recyclates and renewable raw materials. The products of the WITTMANN Group are designed for horizontal and vertical integration into a Smart Factory and can be interlinked to form an intelligent production cell.

The companies of the group jointly operate ten production plants in seven countries, and the additional sales companies at their 35 different locations are present in all major industrial markets around the world.

WITTMANN BATTENFELD pursues the continued strengthening of its market position as a manufacturer of injection molding machines and supplier of comprehensive modern machine technology in modular design. The product range of WITTMANN includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, temperature controllers and chillers. The combination of the individual areas under the umbrella of the WITTMANN Group enables perfect integration – to the advantage of injection molding processors with an increasing demand for seamless interlocking of processing machines, automation and auxiliaries.

Press Contact

Susanne Zinckgraf
Head of Strategic Marketing
WITTMANN Tec Group GmbH
Lichtblaustraße 10, A-1220 Wien
Cell phone: +49 151 70663048
susanne.zinckgraf@wittmann-group.com

Company Contact

WITTMANN Technology GmbH
Lichtblaustraße 10, A-1220 Wien
Tel.: +43 1 250 39-0
info.at@wittmann-group.com

WITTMANN BATTENFELD GmbH
Wiener Neustädter Straße 8, A-2542 Kottingbrunn
Tel.: +43 2252 404-0
info@wittmann-group.com

www.wittmann-group.com