Press Release **July 2026**

WITTMANN Group at the Fakuma 2026

Precision meets efficiency

All-electric efficiency will be one of the WITTMANN Group's highlights at the Fakuma 2026 from 12 to 16 October in Friedrichshafen, Germany. Three live machine exhibits will demonstrate clearly how lots of energy, material, time and space can be saved in a wide variety of applications with all-electric injection molding machines and fully automatic processes. Smart Choices, Smart Savings – this is WITTMANN's motto at the Fakuma 2026 in hall B1.

Focusing on essentials – for greater profitability

The new all-electric EcoPrimus injection molding machine from WITTMANN combines performance, precision and reliability with outstanding cost-efficiency in producing large quantities. It will prove this at the Fakuma 2026 by making protective caps for insulin pens inside an 8-cavity mold supplied by Kistler. For fully automatic production with a very compact footprint, this machine comes equipped with intelligent assistance and a FlexCell plus automation cell.

At WITTMANN, the designation Primus stands for a clear focus on essentials – with highest possible material, energy and cost efficiency, without compromising on output, quality standards or spare parts availability. To this end, the EcoPrimus with 1000 kN clamping force was specially developed for compact single-component injection molding requiring only a limited range of options. It reaches injection speeds of up to 200 mm/s and operates with the latest-generation B8X control system from WITTMANN.

The all-electric design principle of the EcoPrimus is based on the company's long-standing experience with the proven EcoPower machine series. Both these series stand for high precision, repeatability and energy efficiency, and offer full Wittmann 4.0 compatibility. The EcoPrimus to be shown at the Fakuma comes equipped with the digital assistance system HiQ Packing for autonomous process optimization. This software enables extremely precise control of the screw movement at the changeover point and during the holding pressure phase, and it ensures well-balanced pressure distribution plus even cavity filling right up to the marginal areas of the mold parting line. This results in reliable production of consistently high parts quality when using multi-cavity molds.

The FlexCell plus makes a further contribution to the extremely high overall efficiency of the application. The automation cells of the FlexCell series are based on a standardized modular design, combining top-level cost efficiency with flexibility. A WITTMANN linear robot, a conveyor belt plus further individually selectable automation components can all be accommo-

dated on an extremely compact floorspace. Since the cells are directly connected to the injection molding machine and allow production with the machine guard door kept open, the automation system can be positioned very close to the mold. Positive side effects are reduced handling times and lower investment costs, since a shorter Z axis is sufficient for the robot.

In the plus version to be shown at Fakuma, the FlexCell incorporates a fully automated box transfer system for directly packaging injection-molded parts into crates, KLTs, or cardboard boxes, with the goal of producing autonomously for several hours. The parts removed by the robot from the mold can be deposited either at random or according to a set stacking pattern. The special feature is having the box transfer system amalgamated with the protective housing into a fixed unit, which can easily be pushed to tone side as a whole, to provide access to the mold space at any time.

The FlexCell automation cells are compatible with injection molding machines of all brands and can be retrofitted to existing production.

Micro injection molding: complete production cell on 2 m²

Lab-on-a-chip means that complete laboratory processes can be integrated on a chip only a few square centimeters in size – for instance for quick, mobile point-of-care diagnostics in emergency medicine. Here, an exciting aspect from the point of view of injection molding is microfluidics. The sample to be examined and the diagnostic fluids flow through extremely narrow channels only a few micrometers in diameter.

In this highly sensitive field of application, the MicroPower from WITTMANN plays off its strengths. This all-electric injection molding machine, specially designed for molding micro and nano parts with shot weights ranging from 0.05 to 4 grams, secures high-precision forming of the extremely fine structures down to the nanometer range. The channels of the lab-on-a-chip sample parts made of transparent polypropylene to be produced at the Fakuma 2026 actually have diameters of no more than 0.04 mm and corner radii down to 0.005 mm. During the five days of the fair, the MicroPower 15/10 will operate with 3D-printed 2-cavity mold inserts from NanoVoxel inside a basic mold box supplied by Ernst Wittner.

The MicroPower’s special feature is its extremely compact design. On only 2 m², the machine concept integrates a rotary table, auxiliary equipment, automation, temperature control, quality inspection and further process units. For demanding cleanroom applications, the production cell can be very easily encapsulated by a laminar flow box.

The machine’s design supports material-saving operation, since the injection plunger reaches right down to the mold parting line. In this way, the melt cushion is reduced to a minimum, and the sprue is significantly reduced, if not eliminated altogether. A positive side effect is a higher consistency in quality standards, since pressure transmission is carried out via an extremely short flow path. The MicroPower requires no special micro granulates. It is able to process all standard granulates.

LSR: ultimate precision and energy efficiency

The all-electric EcoPower is at home wherever precision, efficiency and cleanness are essential. It scores with high injection speeds, extremely precise regulation and great dynamism. Direct servo drives and the utilization of deceleration energy reduce energy consumption to a minimum. Thanks to its modular design, the EcoPower adapts itself flexibly to a vast range of different production requirements.

Liquid silicone processing benefits from this combination of characteristics. Jointly with its partner Nexus Elastomer Systems, WITTMANN will demonstrate at the Nexus booth in hall A6 (booth No. 6222) the production of silicone lids to cover beverage cans, bottles and cups. The equipment used for this purpose will be an EcoPower 110/350 B8X in LSR version with a 4-cavity mold and a W918 linear robot from WITTMANN. For material feeding, a ServoMix X200 dosing system has been integrated into the work cell. The ServoMix X200 is an extremely flexible LSR dosing system which combines high throughput with precision and material efficiency.

WITTMANN at the Fakuma 2026: hall B1, booth 1204

Focusing on essentials, the all-electric EcoPrimus injection molding machine offers an outstanding level of cost efficiency. At the Fakuma 2026, it will demonstrate its high performance with the production of protective caps for insulin pens inside an 8-cavity mold.

From parts removal to packaging, the FlexCell plus accommodates all automation components inside one safe, compact unit, while keeping access to the mold space very easy at any time.

The MicroPower unites all it needs for production on just 2 square meters of floor space.

The lab-on-a-chip-sample part comes with nano-sized structures achieved by using 3D-printed mold inserts.

On an EcoPower injection molding machine in the LSR configuration, four different beverage lids made of liquid silicone are produced per cycle using a 4-cavity family mold.

The all-electric EcoPower series is at home wherever precision, efficiency and cleanness are essential.

Pictures: WITTMANN

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. 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 with additional sales companies at 35 different locations they 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 merger 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.

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