

March 2022, Kottlingbrunn/Austria

The WITTMANN Group at the International Industry Fair 2022 in Celje

WITTMANN demonstrates its expertise in the fields of sustainability and digitization at the International Industry Fair in Celje

From 5 to 8 April 2022, the WITTMANN Group will present ultra-modern, resource-saving injection molding technology to visitors at the International Industry Fair in Celje / Slovenia at its booth No. 27 in hall K.

Due to its continuous, stable development, the Slovenian market is of considerable interest for the WITTMANN Group. So, the International Industry Fair in Celje is a suitable platform for the WITTMANN Group to present jointly with ROBOS, its long-standing local representatives, latest injection molding technology in the area of machines as well as automation equipment and auxiliaries to interested trade visitors.

At the fair in Celje, an Ingrinder model will be presented. This equipment consists of a machine from the servo-hydraulic *SmartPower* series, a *SmartPower* 60/210, with an integrated sprue picker, vacuum conveyor and an integrated granulator. On the machine, a can with a lid is produced from PS with a 2-2-cavity mold. A WP50 sprue picker from WITTMANN with swivel drive removes the sprue and passes it to the G-Max granulator integrated in the system. The material recycled by the granulator is then transported to the machine's material hopper by a FEEDMAX S 3-net vacuum conveyor. The WITTMANN vacuum conveyors equipped with an optional material separator enable alternating conveyance of virgin material and regrind, so that a thorough blend is created by this process, together with discharge of the material into the hopper.

The Ingrinder solution is designed for smaller injection molding machine models from the *EcoPower* and *SmartPower* series, since these machines are used in particular together with molds incorporating cold runner technology, thus producing sprue which must either be scrapped or passed on to a recycling system following injection molding. To equalize viscosity fluctuations caused by the recycled material, the WITTMANN BATTENFELD HiQ Flow software package is used on the machine. With HiQ Flow, viscosity fluctuations detected during the injection phase are actively corrected directly within the same shot.

In addition to this exhibit, a clearly illustrated, easy-to-understand demonstration of how to integrate robots and auxiliaries into the UNILOG B8 machine control system will be shown on an interactive display panel, to give visitors an opportunity to see for themselves the advantages of WITTMANN's solution for Industry 4.0, known as WITTMAN 4.0.

Moreover, numerous auxiliary appliances from the company's ranges of temperature controllers, dryers and material conveyors will also be showcased as standalone solutions at the International Industry Fair in Celje.



Fig. 1: *SmartPower 60/120 Ingrinder*



Fig. 2: Integrated granulator G-Max 9

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 eight production plants in five countries, and the additional sales companies at their 34 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.

In Slovenia, the WITTMANN Group is represented by Robos, with Peter Zajc as General Manager.

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