



NEWS RELEASE

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Drymax FC plus for energy-efficient material drying

*The WITTMANN Group takes this year's K in Düsseldorf as an opportunity to present its latest developments in a wide range of different areas. From 19 to 26 October, among other innovations, WITTMANN Technology will showcase the new dryer solution **Drymax FC plus** at booth No. F23 in hall 12.*



Massively rising energy prices are presenting manufacturers with challenges which until only a few years or even months ago were extremely seldom. Now virtually all industrial companies are looking for viable solutions for reducing operating expenses by optimizing their energy management. WITTMANN already anticipated this situation a considerable time ago and pushed the development of energy saving solutions, in order to achieve an advantage in energy consumption, and to improve availability and safety of material drying processes as well.

The new **FC plus** system now offers additional savings potentials for all new drying batteries from WITTMANN. Thanks to **FC plus**, only the amount of drying air is generated that is indispensable for safe operation. **FC plus** functions according to the principle of automatic start-stop well known from the automotive sector, where very high fuel savings are achieved through automatic motor switch-off in certain situations.

For drying batteries, this means that new drying systems frequently come equipped with two or more low-power dry air generators. As soon as the system recognizes partial load operation, the quantity of dry air flowing through the individual drying hoppers is gradually reduced. For this purpose, automatic air control flaps, known as **SmartFlow** flaps, are installed in all WITTMANN drying hoppers. Regardless of the type of material, drying temperature or moisture content, these ensure that the optimal drying process is always guaranteed for every individual hopper.

So, the drying demand of the system may drop, which in turn may lead to step-by-step automatic shut-off of individual dry air generators within the system. The **plus** function, which is part of the new system's name, takes care of monitoring this process, so that the operating staff is completely freed of this task. In the case of rising drying demand, for instance by the start-up of additional material consumers, the system responds just as autonomously, activating the drying air generators waiting on stand-by as required. For extensions of existing systems, too, it is possible to benefit from the savings potential this functionality has to offer.

With **FC plus**, energy savings of up to 60% can be realized compared to conventional systems. The availability of the equipment also increases, since drying can be continued with reduced power even during servicing.

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.

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WITTMANN at the K: hall 12, booth F23