Press Release **May 2026**

New Airmould starter package plus from WITTMANN

Internal gas pressure technology with plug & play convenience

With the Airmould starter package, WITTMANN simplifies the access to internal gas pressure technology. The new plus version now also includes the pressure generation unit.

Airmould internal gas pressure technology saves raw material, reduces the part weight and minimizes warpage, sink marks and shrinkage. In this way, the injection molding technology combines high surface quality with cost efficiency and sustainability.

To enable quick and easy startup of internal gas pressure technology, WITTMANN offers all necessary modules in a cost-effective package. Each Airmould starter package contains a central unit for 2 pressure control modules, an IoT-compliant pressure control module, the manual control unit and now also a pressure generator – a novelty in the Airmould starter package plus. All variants come with thorough application technology counselling by specialist engineers from WITTMANN. With the help of simulation and feasibility studies, the parts are examined thoroughly to determine whether they are suitable for internal gas pressure technology. Whenever a decision is made in favor of internal gas pressure, WITTMANN will take care of both the equipment's layout and its start-up. In this way, users will benefit from the WITTMANN application technology specialists' many years of experience and profound injection molding expertise. Existing production processes can also be adapted quickly and easily, since in many cases the molds can be used for Airmould without requiring any changes. Typical fields of application are automobile components such as handles, gardening equipment and technical components with bulges.

For Airmould internal gas pressure injection molding, nitrogen gas is injected into a partly or completely filled cavity. The pressurized gas forms a bubble at the center of the melt, which counteracts shrinkage contraction on the outside and thus eliminates sink marks. By reducing the quantity of plastic material and simultaneously enlarging the hollow space at the center, light-weight components can be produced effectively with short cycle times and attractive surfaces.

Compatible with machines of all brands

To spread the benefit from internal gas pressure technology across many different fields of application, Airmould from WITTMANN offers extreme flexibility. The packages have a modular design. All technology modules can be used via Euromap 62 on any injection molding machine regardless of its brand or model. When connected with an injection molding machine

from WITTMANN, Airmold can be completely integrated into the work cell via Wittmann 4.0 and operated from the injection molding machine's display.

WITTMANN's concept of "everything from a single source" even includes nitrogen generation. The N_2easy nitrogen generators developed and manufactured by WITTMANN extract nitrogen gas from the ambient atmosphere and supply it simultaneously to several consumers. N_2easy already pays off from a daily nitrogen consumption rate of just one gas bottle.

WITTMANN Expert Day in September

Interested processors are invited to try out the potential of Airmould at the technical labs of the WITTMANN facilities. At the SKZ Center in Würzburg/Germany, WITTMANN injection molding machines with Airmould technology are also available for application technology testing and training.

Mark your calendar now for the WITTMANN Expert Day about foam injection molding and internal gas pressure technology on 10 September 2026 at WITTMANN in Meinerzhagen/Germany.

For further information and registration: **www.wittmann-group.com/ExpertDay** or send an email to: **expert-day.de@wittmann-group.com**

Just plug it in and get started: the Airmould starter package plus for internal gas pressure technology includes the pressure generator.

Picture: 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, as well as 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 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.

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