

PRESS RELEASE

August, 2024

## **WITTMANN Aton plus EcoDrive:** **Constant dew point plus minimal energy consumption**

*The Aton plus segmented wheel dryer from WITTMANN is now available with EcoDrive. This added feature enables dynamic adjustment of the dry air output to the current material requirements via an integrated frequency inverter. The result is a constant dew point maintained regardless of environmental conditions, plus additional savings in energy consumption.*



***The Aton plus segmented wheel dryer from WITTMANN is now also available with EcoDrive – for even more energy-saving material drying. (Photo: WITTMANN)***

EcoDrive is the name of the innovative frequency inverter regulation system, which WITTMANN is developing step by step for its complete range of auxiliary appliances. For the first time at the Fakuma 2024, the Aton plus segmented wheel dryers will be available with EcoDrive. Here, EcoDrive will continually adjust the dry air output dynamically to the current material requirements. The decisive parameter is the quantity of material being fed into the drying silo. In cases of extremely low material consumption or machine standstills, the material protection function installed as standard in the Aton plus and EcoDrive work hand in hand to achieve the lowest possible energy consumption. This cuts the operating costs and simultaneously improves the ecological footprint. In this way, Aton plus with EcoDrive and a high utilization rate pay off within no more than one to two years.

### **Constant low dew point**

An additional contribution to the extremely high energy efficiency of the Aton plus segmented wheel dryer is made by its intelligent dew point regulation system. In combination with a dew point sensor, EcoMode calculates the optimal regeneration process for each type of material and automatically reduces the regeneration cycles to the necessary frequency. Compared to standard operation without EcoMode, where the segmented wheel rotates without interruption and must be regenerated continuously, the dryer's energy requirements are significantly reduced without any effect on the drying performance. A constant, low dew point of -40 °C is maintained.

### **Easy, straightforward operation**

The segmented wheel dryers from the Aton plus series come with a 5.7" touch screen. User-friendliness was a top priority in planning the menu. The control system is intuitively understandable. Material conveyors can be integrated very easily. The specific drying parameters for each material can be saved in a material database and downloaded for every material change. In this way, the correct drying parameters are always readily available, and the risk of input errors is reduced. The AmbiLED status display on the front of the mobile dryer informs the operator about the appliance's current operating status at any moment, even from a considerable distance.

All 'plus' models of the WITTMANN auxiliary appliances are prepared for integration into Wittmann 4.0 work cells via "plug & produce". For data exchange with injection molding machines of all brands, an OPC-UA interface is available as an option.

**The WITTMANN Group at the Fakuma 2024: Hall B1, booth No. 1204**

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### **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 recycled 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 six 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.

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