

NEWS RELEASE

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February 6th, 2017**The new WITTMANN PRIMUS 16 robot
for cost-effective production**

Last year saw the WITTMANN Group launch many new products in the field of robotics: the flexible **W837** IML system, the **W863 pro** robot model with a payload of 75 kg, also some compact solutions for servo-rotational axes as well as the new **R9** robot control generation (one of the highlights of the K show in Düsseldorf). Now, new in 2017, comes the new **PRIMUS 16** robot, the forerunner of a brand-new series.

**WITTMANN PRIMUS 16**

WITTMANN robotics development typically involves the creation of complex and challenging automation solutions. This is clear from the new models of the **W8 pro** series, and also the software architectures of the **R8** and **R9** controls, which offer almost limitless extension.

With the **PRIMUS 16** robot, WITTMANN introduces the **PRIMUS** robotic series that in the first instance will be used for less challenging *pick & place* applications. The advance towards miniaturization and the need for part separation without complex automation – these two aspects have nudged WITTMANN to develop this solution. The outcome is the **PRIMUS 16**, the first robot to fulfill these special requirements. With its payload of up to 5 kg, and with the WITTMANN absolute encoder regulator included, the **PRIMUS 16** is very well prepared for these applications.

The absolute encoder regulator features in all the smaller WITTMANN robots. The constantly available position feedback – undertaken without preceding referencing – considerably simplifies and quickens the run-up of the process.

The mechanical layout and the geometry of the axes of the new device are highly oriented at the high-volume model **W818**. However, the **PRIMUS 16** is especially designed for single removals. Modular design and construction is made possible for the **PRIMUS 16**. This leads to a much more efficient serial production of the new robot. From the user's point of view, this leads to lowered cost, and for a system that is proved and tested a thousand-fold.

The horizontal axis of the new robot has a stroke capability of 1,500 or 2,000 mm, a vertical axis of either 800, or 1,000, or 1,200 mm and a demolding axis of either 420 or 620 mm.

Like all other WITTMANN servo robots, the **PRIMUS 16** is programmed using the **R8 TeachBox**. **QuickNew** is an essential feature here. It stands for simplified and graphically supported programming. The **SmartRemoval** and **EcoMode** control functions come as a standard, as well as the data input via the **TextEditor** function that already enjoys great popularity.

“Our customers have to face changed requirements every year. For us, this means stimulation as well as a challenge. As the European market leader for linear robots, we have great advantage in getting specific and comprehensive feedback from our customers –something that has helped us immeasurably in defining the **PRIMUS 16**”, says Martin Stammhammer, the WITTMANN Group's International Sales Manager Robots and Automation Systems. “We bring both complex and simple applications under our one roof. We therefore expect excellent market opportunities for the new **PRIMUS 16** in a large number of varied markets.”

The WITTMANN Group is a worldwide leader in the manufacturing of injection molding machines, robots and peripheral equipment for the plastics industry. Headquartered in Vienna/Austria, the WITTMANN Group consists of two main divisions, WITTMANN BATTENFELD and WITTMANN, which operate 9 production facilities in 6 countries, including 39 direct subsidiary offices located in all major plastics markets around the world.

WITTMANN BATTENFELD focuses on the independent market growth in the manufacturing of state-of-the-art injection molding machines and process technology, providing a modern and comprehensive range of machinery in a modular design that meets the actual and future requirements of the plastic injection molding market. WITTMANN's product range includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, mold temperature controllers and chillers. With this comprehensive range of peripheral equipment, WITTMANN can provide plastics processors with solutions that cover all production requirements, ranging from autonomous work cells to integrated plant-wide systems.

The syndication of the WITTMANN Group has led to connectivity between all product lines, providing the advantage plastics processors have been looking for in terms of a seamless integration of injection molding machines, automation and auxiliary equipment – all occurring at a progressive rate.

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