



**NEWS RELEASE**

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## At the Fakuma, WITTMANN is presenting the new W8 pro robot series and state-of-the-art sprue pickers

Under its trade fair motto of this year, “**be smart**”, WITTMANN is presenting to trade visitors at the Fakuma 2014 in Friedrichshafen the **W843 pro**, another series of models of the new **W8 pro** generation of robots. The **W8 pro** series constitutes a further development of the **W8** series of robots, which has proved its efficiency ten thousand times over (The total figure of 10,000 WITTMANN **W8** robots shipped to customers was already exceeded in April 2014.). At its booth No. 1204 in Hall B1, WITTMANN is also showcasing the new **WP80** sprue picker and the integrated **WS80** servo sprue picker models.

### **The W8 pro robot series**

Consistent use of light-weight technology for the axes, and a drive concept specially designed for linear robots – this unique combination gives the robots of the new **W8 pro** series from WITTMANN their highest conceivable dynamism and simultaneously ensures low energy consumption. Their sturdy structure and sophisticated modular design guarantee an optimal price/performance ratio for every application.



**WITTMANN W843 pro servo robot from the new W8 pro series**

The result of numerous modifications compared to the predecessor series **W8** once again shows a further improvement in efficiency.

The **EcoVacuum** function for a clocked vacuum optimizes the consumption of pressurized air, since the Venturi nozzle is only activated to the extent necessary for holding the parts safely. The innovative decentralized configuration of the electronic component makes it possible to minimize cabling in the energy chains. The energy

chains themselves have also been optimized – with the result of reduced sound emission.

A high level of integration was an important target in developing the new series. Consequently the entire connection system for the vacuum and gripper circuits has been integrated into the vertical axis of the appliance, and the integrated control cabinet already known from the **W8** series, which dispenses with space requirements for the appliance beside the injection molding machine, has been left unchanged. A new feature is the integrated **ambiLED** signal lamp on the appliance, which provides the user with immediate information about the status of the production unit.



*The ambiLED signal lamp shows different operational states  
Green light: the robot is working automatically  
Blue light: manual intervention required  
Red light: safety gate is open*

The **R8** control system integrated in the appliance, which is equipped with high-performance IPC and the WITTMANN **R8.3** software with an extended scope of performance, offers users a large number of useful new tools, in addition to the proven WITTMANN user interface and already familiar functions such as **SmartRemoval** and **EcoMode**. With these helpful functions, the adjustment of processes becomes child's play, and complex peripheral units can be addressed directly by the robot's control system.

The improved design also underscores the outstanding features of the new WITTMANN **W8 pro** robot series by the visual impression made by the appliances. The robots of the **W8 pro** series will be available with horizontal strokes ranging from 1,600 to 2,600 mm and be able to handle loads between 15 and 35 kg, depending on the model.

## **WP80 with new Net8 control system**

The new **WP80** sprue picker presents itself in conjunction with the new **Net8** control system, which replaces the previous picker control system **SA7**.

In the usual successful manner, the **WP80** handles high-precision removal of sprue and small parts from injection molding machines. The design of the appliance is based on the successful mechanism of its predecessor model **W702**, which has proved itself in practice thousands of times.



**WITTMANN WP80 sprue picker with Net8 control system**

The **Net8** control system offers a common control platform for the **WP80** and **GRAVIMAX** blenders. Programming is done via a **TeachBox** with touch screen, and the control system contains the complete operating language package of the larger **R8** control system. Pre-defined programs can be retrieved, and it is possible to save up to 32 different individual programs.

## **WS80 Servo sprue picker**

This newly developed servo sprue picker is based on the CNC robot architecture which has been tried and tested for many years. Right on time for the Fakuma, WITTMANN – the largest European manufacturer of linear handling appliances – now launches this new, fully integrated sprue removal device. Control and programming of the **WS80** are executed directly via the injection molding machine – with the benefit that the generously dimensioned operating terminal of the processing machine can be used for the sprue picker.



**WITTMANN WS80 servo sprue picker**

The integration into the protective frame of the injection molding machine gives users the advantage of a CE-compliant production cell without any additional expense for safety measures.

The **WS80** is driven by the same high-performance servo motors which are also used in the WITTMANN CNC series. The dynamism of these drives – combined with low energy consumption – ensures highly efficient production equipment.

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WITTMANN worldwide is one of the leading manufacturers of robots and peripheral equipment for the plastics industry. The WITTMANN group with Headquarters in Vienna/Austria is a worldwide operating company with 7 production facilities and 28 branch offices in all major plastics markets in the world. WITTMANN's product range includes robots and automation systems, automatic material handling with dryers and plastic recycling, temperature controllers and chillers for machine tools and volumetric and gravimetric blenders.

With this comprehensive range of peripheral equipment, WITTMANN can provide processors of plastics with total solutions which cover all their requirements, ranging from autonomous work cells with single zone temperature controllers, screenless granulators, sprue pickers, integrated vacuum loading systems and integrated cross-linked control systems with integrated material loading and dryers to automated robotic systems for flexible finishing of semi-finished injection molded parts.

On April 1<sup>st</sup>, 2008 WITTMANN took over the BATTENFELD Kunststoffmaschinen GmbH at Kottlingbrunn (Lower Austria). There will continue to be independent growth in the market for auxiliary equipment on one hand and for injection molding machines by BATTENFELD on the other. However, the syndication will lead to connectivity between both product lines, providing the advantage plastics processors have been looking for in terms of a seamless combination of processing machines, automation and auxiliary equipment – all occurring at a progressive rate.

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**Friedrichshafen – October 14–18, 2014**

**WITTMANN at the Fakuma: hall B1, booth 1204**