

PRESS RELEASE

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Dual Arm Telescopic Robot **for High Speed Applications on Mid-range Presses**



WITTMANN W823D servo robot

WITTMANN's latest introduction is the **W823D** dual arm telescopic robot with 5 servo axes designed for automation of stack molds and other applications requiring two vertical arms. The **W823D** dual arm telescopic servo robot allows simultaneous or sequential operation of each vertical arm in order to remove parts from stack molds in medium tonnage machines up to 400 tonnes (440 U.S. tons). The independent control also permits operation with family stack molds where parts have different designs and handling characteristics.

The **W823D** servo robot has a fixed kick-stroke beam and two telescopic vertical arms on the Y-axis, offering payloads of 3, 5 or 10 kg for each arm. The Y-axis provides fast strokes of 1,000 or 1,200 mm with minimum vibration while reducing the clearance requirements for applications with low ceilings or other obstacles like cranes, mezzanines, etc. and where robot automation may not have previously been possible.

The Y-axis is available in three speed settings based on the payload:

- **UHS:** Ultra High Speed Servo – 2 x 3 kg payload
- **HS:** High Speed Servo – 2 x 5 kg payload
- Standard Servo – 2 x 10 kg payload

The dual arm high speed (**HS**) option is for applications requiring less than a 10 second overall cycle time and the ultra high speed (**UHS**) option for cycle times under 6 seconds.

The X-axis has a 1,200 mm reach and a fixed kick-stroke. The Z-axis is available with strokes from 2,000 to 5,000 mm. The robot is equipped, as standard, with 1 vacuum and 1 gripper circuit per arm. Additional options are available to suit the specific application.

The **W823D** is equipped with WITTMANN's new **R8** control with full color industrial LCD display for simple, flexible programming. The control cabinet is fully integrated on the robot eliminating the need for bulky cabinets or extra wiring and the related maintenance issues.

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 20 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, 2008 WITTMANN has taken over the BATTENFELD Kunststoffmaschinen GmbH at Kottlingbrunn (Lower Austria). The market for auxiliary equipment on one hand and that for injection molding machines by BATTENFELD on the other will continue to grow independently. However, the syndication will of course lead to the completion of 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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