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PRESS RELEASE

Wittmann Battenfeld at the Fakuma 2009:

Here it is - the new all-electric *EcoPower* series

Energy and cost savings is the motto these days. With the first presentation of its new all-electric EcoPower machine series, Wittmann Battenfeld is right on target. From 13 -17 October, visitors to the Fakuma in Friedrichshafen will be able to experience this novelty first hand at the booth of the Wittmann group (hall B1, booth 1204). In addition to this exhibition highlight, a high-speed packaging line and a multi-component application will be shown.

With a joint booth at the trade fair, the two companies of the Wittmann group underscore their common philosophy of “everything from a single source”. Applications from the automotive, electronics and packaging industries are on display. The premiere of the high-performance, energy-efficient all-electric *EcoPower* machine series will take center stage at this year’s show.

***EcoPower* - Energy-efficient, clean and compact**

At the booth of the Wittmann group, the curtain will be raised for the first time on *EcoPower*, the new generation of all-electric machines.

With this new development, Wittmann Battenfeld is presenting impressive evidence of its more than 20 years of experience in the area of all-electric machines.

The *EcoPower* series scores above all with a compact, beltless injection unit and the clean design of its clamping units with direct drives. The braking energy of the drives, which is normally wasted or recovered by an elaborate process, is utilized inside the machine with the *EcoPower*.

To achieve maximum customer benefit, the *EcoPower* series comes in a modular design and is preconfigured. This enables the machines to be laid out for standard high-precision injection molding, as well as clean-room technology and high-speed applications.

The performance features just mentioned will be presented on an

EcoPower 110/350, manufacturing a housing cover. The parts are removed and deposited on a conveyor belt by a Wittmann robot from the W821 series, which is fully integrated in the Unilog B6 machine control system.

With the new *EcoPower* series, temperature control devices and material dryers can be mechanically integrated directly into the machine frame, which saves extra costs for space.

Moreover, the entire peripheral equipment is set, visualized directly and data stored via the machine's control system.

Multi-component technology for cost-efficient applications

On an HM MK 240/1330H/210S, Wittmann Battenfeld will demonstrate the production of a 2-component sealing element (JP Grosfilley) from PP/TPE for the BMW Mini Cooper within a cycle time of 30 seconds.

Thanks to the space-saving configuration of the injection units (horizontal, diagonal) the W823 Wittmann robot for the removal of finished parts can be mounted on top of the fixed platen.

In the 'insider solution' on display, the finished parts are deposited on a conveyor belt integrated in the machine frame. This significantly reduces the machine's footprint, resulting in further cost cutting.

The operation of the robot is particularly user-friendly. In addition to a manual control device, the robot can be operated completely via the Unilog B6 machine control system.

This exhibit is also equipped with power factor correction, which achieves substantial cost savings through a combined reduction of reactive and effective power.

Wittmann Battenfeld offers a wide range of custom-made optional packages and combination possibilities for its multi-component series. Its know-how, which has been developed over many years, includes all process variants, such as multi-color, multi-component, assembly and sandwich injection molding.

TM Xpress - The high-speed solution for the packaging industry

The TM Xpress, presented for the first time in 2008, has met with a very positive response from the market. In combination with a Wittmann IML tool and Wittmann automation equipment, it stands as a synonym for the Wittmann group's philosophy of "everything from a single source".

To this year's Fakuma, Wittmann Battenfeld is bringing a TM Xpress 210/1350 demonstrating the production of a bucket made of PP holding 1,180 ml. Insertion of the banderole label as well as removal and depositing of the finished buckets are handled by the IML automation equipment. The buckets will be manufactured in a 2-cavity mold within a cycle time of 5.8 seconds.

Battenfeld K4 - Security for all production data

Jointly with Wille System GmbH, Wittmann Battenfeld is now offering a modern database concept, which operates on a server for central data administration and is directly integrated in the Unilog B6 machine control system as well. Its structure, data format, menu system and tools are perfectly tailored to meet the stringent demands of the plastics processing industry.

From the machine's parameter settings, quality assurance, maintenance data, primary and final costing, order-related time data collection, shop floor layout to innumerable evaluation options including open item management, a unique range of service tools has thus become available.

The entire machinery of a company, including machines at other locations and in other countries, can even be visualized and monitored from the B6-control system, regardless of the types and brands of injection molding machines.

All exhibits shown at the booth are connected to this process data collection tool. All data can be retrieved directly on the machine, at the service corner of the booth as well as at the booth of Wille GmbH (hall A1, booth 1401).

Of course, all exhibits are also connected to the Wittmann Battenfeld remote service network and their data can also be retrieved via Battenfeld K4. The proven web service will also be presented once again by means of a live connection.



Fig. 1: The new *EcoPower* 110/350 from Wittmann Battenfeld will manufacture a housing cover.



Fig. 2: An HM MK 240/1330H/210S will manufacture sealing elements for the BMW Mini Cooper.



Fig. 3: The IML application on display is a synonym for the Wittmann group's philosophy of "everything from a single source".

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