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PRESS RELEASE

WITTMANN BATTENFELD at the Fakuma 2018

Vertical machine in *PowerSeries* design

At the Fakuma 2018, WITTMANN BATTENFELD is exhibiting for the first time its newly designed vertical machine to an expert public at booth No. 1204 in hall B1. The new VPower will be available on the market from the beginning of 2019.

With the new *VPower*, the proven vertical machine from WITTMANN BATTENFELD will now also be available in *PowerSeries* design. The *PowerSeries* is a market-leading machine series with numerous special advantages. These include its high energy efficiency already in the standard versions. Moreover, this series stands out by its high precision, compactness and user-friendliness. All of these attributes are also characteristic features of the new *VPower*. As a first step, this machine will be offered in the clamping force sizes of 120 and 160 t. As is the case with all *PowerSeries* products, its B8 control system with Windows 10 IoT and the integration facilities with WITTMANN 4.0 provide the basis for safe, easy integration inside a production cell and for corporate networking.

The basic feature of the new *VPower* is its innovative 2-tie-bar rotary table concept, which provides optimal accessibility by dispensing with the central tie-bar. The generously dimensioned rotary tables are combined with a 2-tie-bar portal clamping unit equipped with two travel cylinders on the outside for fast opening and closing. At the first stage, the rotary tables are available with diameters of 1,300 and 1,600 mm as well as with servo-electric drives for short rotation times and highly accurate positioning. They are laid out for both oscillating 2-station operation and rotary 2-, 3- or 4-station operation. Maximum operational safety is ensured by central greasing of all moving parts and sealing to prevent penetration of liquids or particles. The tie-bar-less rotation center leaves ample space under the rotary table for cooling water, hydraulic oil, compressed air and power supply connections. These can be conducted to the molds through the center of the rotary table either via direct tubing or via an oscillating or rotary distributor. The new UNIFORCE compensation plate system between the horizontal beams of the clamping unit and the mold clamping area ensures even and gentle force transmission to the mold.

The injection unit can also be converted at a later date from vertical to horizontal or vice versa. Moreover, the drive unit of the *VPower* is equipped for operation with 2 aggregates. This means that the machine is also available as a 2-component model or can be retrofitted with a second aggregate later if the connection facilities for a second aggregate have been installed.

The *VPower* is equipped with a servo-hydraulic twin pump system as standard, which enables parallel movements of the opening and ejector strokes. Thanks to encapsulation and sound insulation of the motor and pump compartments, the drive unit is extremely silent. The highly effective fine filtration of the hydraulic oil in the main flow channel ensures the machine's long-term high precision.

The machine's open design makes it particularly well suited for the integration of automation systems with insert feeding and finished parts removal. Furthermore, it takes up considerably less space than its predecessor model, and its ergonomic, low working height of less than 1m is very convenient for its users.

At the Fakuma, the functionality of the new *VPower* will be demonstrated by a *VPower* 160/750 with a rotary table 1600 mm in diameter.



Fig. 1: The new *VPower*

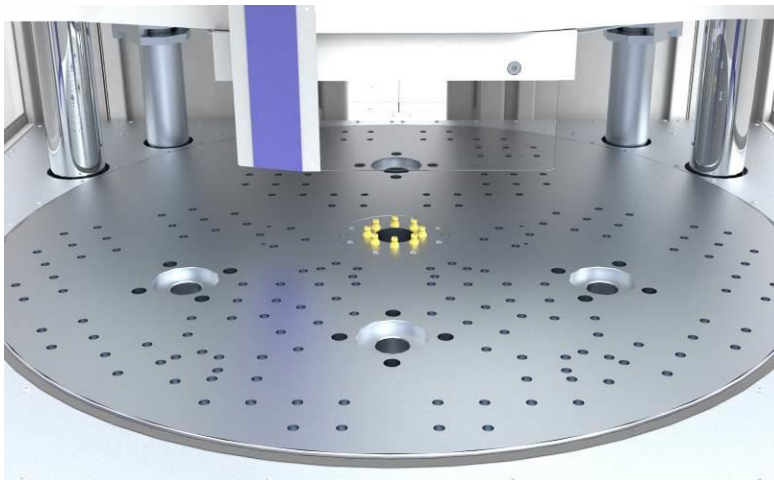


Fig. 2: Generously dimensioned rotary table with rotary distributor

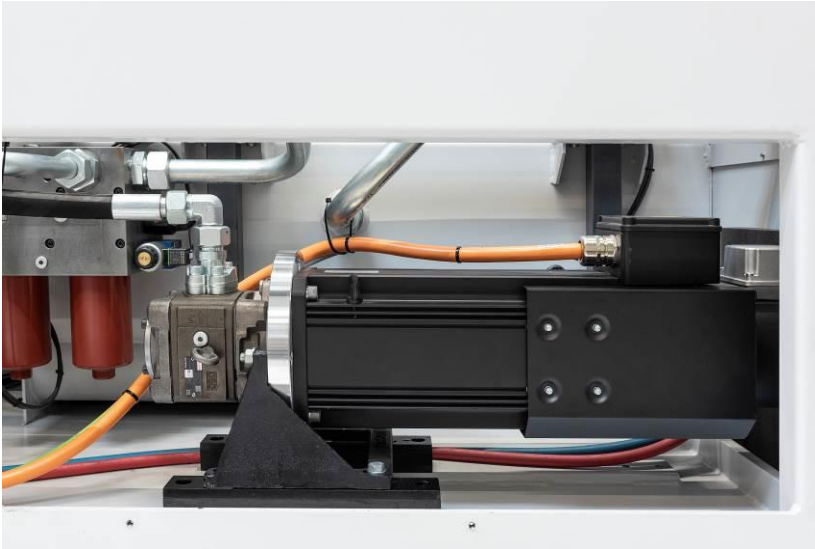


Fig. 3: Compact, highly dynamic servo-hydraulics

The WITTMANN Group

The WITTMANN Group is a worldwide leader in the production of injection molding machines, robots and peripheral equipment for the plastics processing industry, headquartered in Vienna/Austria and consisting of two main divisions: WITTMANN BATTENFELD and WITTMANN. They jointly operate the companies of the group with eight production plants in five countries, and its additional sales and service companies are active with 34 facilities on all important plastics markets around the world.

WITTMANN BATTENFELD pursues the further expansion of its market position as an injection molding machine manufacturer and specialist for state-of-the-art process technologies. As a supplier of comprehensive, modern machine technology in modular design, the company meets both present and future market demands for plastics injection molding equipment.

The WITTMANN product portfolio includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, temperature controllers and chillers. With this diversified range of peripheral equipment, WITTMANN offers plastics processors solutions to cover all production requirements, ranging from independent production cells to integrated plant-wide systems.

The syndication of the various segments under the umbrella of the WITTMANN Group has led to complete connectivity between the various product lines, for the benefit of plastics processors with an increasing demand for seamless integration of processing machinery with automation and peripherals.

Contact:**WITTMANN BATTENFELD GmbH**

Wiener Neustädter Strasse 81

A-2542 Kottlingbrunn

Tel.: +43 2252 404 - 0

Fax: +43 2252 404 - 1062

info@wittmann-group.com

www.wittmann-group.com