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PRESS RELEASE

SmartPower 400

WITTMANN BATTENFELD extends *SmartPower* series upwards

The servo-hydraulic SmartPower presented for the first time at the Fakuma 2014 was successfully launched and has found its place on the market. Many customers have expressed a wish for a larger machine model in this series. So the company has now decided to extend it by rolling out an additional clamping force size.

The *SmartPower* introduced at the Fakuma in 2014 was originally offered in clamping force sizes ranging from 250 to 1200 kN. One year later, the range was already extended to 3500 kN.

As a compact servo-hydraulic machine in *PowerSeries* design, the *SmartPower* stands out by its small footprint, making for optimal utilization of the available production floor space. At the same time, the machine offers a generous layout in terms of mold fixing dimensions. One feature of this machine appreciated by users is its easily pivotable injection unit up to size 3400, which facilitates access to the nozzle and screw and consequently screw servicing considerably.

But above all, the *SmartPower* is extremely energy efficient, since it comes with a highly dynamic servo-hydraulic drive with a low noise level as standard. Its drive technology also allows the use of KERS, the kinetic energy recovery system originally developed for the *EcoPower*, by which the all of the deceleration energy can be used entirely within the machine.

The *SmartPower's* clamping system is equipped with a central cylinder piston. Two symmetrically positioned traveling cylinders ensure force transmission and fast movements which are gentle to the mold. In this machine series, the injection process is controlled by the highly dynamic servo drive. From fall 2017, the *SmartPower* is delivered with the new UNILOG B8 control system, which runs under Windows® 10 IoT and offers even more user friendliness and functionality.

In response to the market success of this machine, WITTMANN BATTENFELD has now decided to extend the *SmartPower* range up to a clamping force size of 400 t. The official sales release of the new model will take place at the tenth anniversary celebration of WITTMANN BATTENFELD in mid-June. This extension also includes the multi-component machines of the *SmartPower* series, which means that from June onwards, the *SmartPower* COMBIMOULD will be available with clamping forces ranging from 600 to 4000 kN.

In the *SmartPower* COMBIMOULD, each injection unit is equipped with its own servo-hydraulic drive. The resulting major advantages for users are ultimate energy efficiency and independent, parallel operation of all injection aggregates. In this way, the shortest possible cycle times can be achieved, together with low energy consumption.

The large distances between tie-bars in the servo-hydraulic *SmartPower* allow for the installation of larger rotary units and larger molds. With this attribute, the machine series is ideally suited for multi-component operation. The aggregates are available in V, S or L configuration as standard. Special arrangements, such as H-H configuration, are also possible.

With the completion of the assembly hall extension for the 10th anniversary celebration, the larger *EcoPower* machines up to 300 t and the *SmartPower* up to 400 t will now also be produced in processing line manufacturing. This will reduce lead times and make it possible to shorten delivery times.



Fig. 1: *SmartPower* 400



Fig. 2: Central hydraulic clamping system of the *SmartPower*



Fig. 3: Highly dynamic *SmartPower* servo motor



Fig. 4: Preparation of line assembly for machines of the *SmartPower* and *EcoPower* series ≥ 180 t

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 33 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 appliances, 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.

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