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PRESS RELEASE

WITTMANN at the Interplastica 2012

WITTMANN – with trendsetting technology at the Interplastica 2012 in Moscow

At the Interplastica 2012 in Moscow, the international trade show for plastics and rubber, the WITTMANN group will show the visitors from January 24 to 27, 2012 in hall 8.1, booth A40 trendsetting injection molding technology and state-of-the-art peripheral equipment.

The WITTMANN group has been successful on the Russian market for years. For the future, a good development is expected due to the potential of this market. Therefore, the Interplastica is an important presentation platform for WITTMANN.

The focus of the presentation of the WITTMANN group at the Interplastica will lie on energy-efficient injection molding technology in combination with automation and peripheral equipment as well as the most advanced process technology. On display will be two WITTMANN BATTENFELD machines of the “energy-saving fleet” with integrated automation.

The PIM process (Powder Injection Molding) will be demonstrated using a hydraulic machine of the HM series, an HM 65/210 ServoPower machine. The PIM process serves to produce parts from metalized or ceramic melt by means of injection molding technology. At the WITTMANN group’s Interplastica booth, a pen holder from a feedstock 316L will be manufactured in a 1-cavity mold of Wittner (Austria). The parts are removed by a W823 robot with vertical telescope axis and a handling load of 10 kg and placed on a conveyor band. The machine is equipped with a highly dynamic servo drive which leads in combination with an internal gear pump with constant swallowing capacity to energy savings of more than 30%, compared to a modern hydraulic standard machine.

On an *EcoPower 180/750* – the all-electric machine of the company’s *PowerSeries* – the production of high-gloss screens will be shown. The parts will be produced via a variothermic process using BFMOLD™ technology. This technology is using the entire space below the cavity for heating and cooling. This technique enables extremely even and – above all – very quick cooling of the mold area. Therefore this

technology is of interest not only in order to reduce cycle times, but also to prevent warpage and for the reduction of tension. Moreover, applying BFMOLD™, the production of parts with sink marks and joint lines is prevented. The parts are removed by a W821 robot with a singular vertical axis and a handling load of 10 kg.

All robot models are equipped with the new control system R8.2, which allows for practically unlimited functions and a comprehensive supplementary equipment of I/O modules, servo-driven rotational axes, additional vacuum and gripper cycles and high speed models. The WITTMANN robot control system R8.2 allows for the standard use of a variety of real time functions such as TruePath, SoftTorque, SmartRemoval, EcoMode, SmartVacuum, etc., which do not only contribute essentially to the increase in efficiency of the working cell, but also grant users easy access to otherwise highly complex functions.

The exhibition program of WITTMANN BATTENFELD at the Interplastica is rounded off by a presentation of its WebService 24/7 which is now up and running around the world. WebService 24/7 stands for the company's online service, which is available round the clock on 7 days a week. For their machines equipped with the UNILOG B6 control system based on Windows XP®, the web service offers customers the possibility to contact a qualified service engineer by phone at any time. Via the Internet, of course with the customer's approval, the engineers can log in directly into the machine or the integrated Wittmann robot.



Fig. 1: HM 65/210 ServoPower



Fig. 2: Pen holder – produced by applying PIM technology



Fig. 3: EcoPower 180/750

WITTMANN automation peripheral equipment

In addition to the peripheral equipment integrated into the injection molding solutions at the booth, WITTMANN presents some stand-alone solutions from its broad product range.

The peripheral equipment shown at the Interplastica will comprise a plastics material dryer model DRYMAX Primus E30-70 M, a screenless granulator model MINOR 2, a newly developed GRAVIMAX B14 M, a DOSIMAX Primus dosing system and material conveyor. In the field of temperature controllers, the following models are on display: TEMPRO primus C90, TEMPRO basic C90 and TEMPRO basic C140.



Fig. 4: Servorobot model W821



Fig. 5: WITTMANN peripheral equipment

The WITTMANN group

The WITTMANN group based in Vienna/Austria is one of the world's leading manufacturers of robots and peripheral equipment for the plastics industry. The WITTMANN product portfolio includes robots and automation equipment, automatic material loaders and material dryers as well as equipment for plastics recycling, mold tempering and cooling, and volumetric and gravimetric metering appliances.

WITTMANN BATTENFELD, a company of the WITTMANN group with its headquarters and production facility in Kottlingbrunn (Lower Austria), is a leading manufacturer of injection molding machinery and equipment for the plastics industry. The company is present in about 60 countries with its own sales and service companies as well as representative offices, thus offering optimal support to its customers in all matters concerning injection molding technology.

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