

Press release

10th April 2013

Fully electric IntElect injection moulding machine  
proves energy and production efficiency

## **Demag Plastics Group SP. z.o.o. presents fully electric machine with high efficiency production modules at Plastpol in Kielce**

**At the Plastpol to be held from 7th to 10th May 2013 in Kielce, the affiliate of the German-Japanese Corporation Sumitomo (SHI) Demag Plastics Machinery GmbH with headquarters in Czestochowa, Poland, will demonstrate the high performance, precision and reproducibility of its machines by producing lids live on the fully electric IntElect in Hall G, Booth 15.**

In Kielce Demag Plastics Group SP. z.o.o. will present an IntElect 100-340 with clamping force of 1,000 kN, which the Packaging Company DOKA, Bydgoszcz, Poland uses in combination with a quadruple tool for producing transparent polypropylene (PP) lids for cotton swab boxes. Material from Total Petrochemicals will be used. The 7g moulded parts are produced in approx. 9 second cycles.

With its powerful performance and high availability, large stringer intervals and linear guides for high volume, heavy tools, the IntElect is optimally designed to meet all market requirements. Its excellent

reproducibility with exceptional process capability values form the basis for zero-error production. Drives developed especially for injection moulding contribute to the high efficiency and dynamics. Linear guides for the moving plates as well as the further optimised kinematics for the 5-point double toggle lever ensure maximum running smoothness. Interaction of the continuous monitoring features for the motion forces during clamping and the quick reacting machine control make the activeQ machine protection system extremely sensitive to prevent wear or damage to valuable tools.

As all electric injection moulding machines, Sumitomo /SHI) Demag produces the IntElect smart in its Competency Centre for Electrical Machine Technology in Wiehe, Thüringen. Its program includes eight clamping forces between 500 and 4,500 kN.

### **Active modules increase production efficiency**

The active modules realised in the electric IntElect injection moulding machine provide a major contribution to the production efficiency of the cell. "activeDynamics" ensures short cycle times and reliably regulates even complex injection moulding profiles in the ms range. The switchable "activeLock" non-return feature eliminates the effect of the non-return lock switching action, excluding virtually all variations in the shot weight. The new "activeFlowBalance" feature provides for melt pressure compensation to ensure balanced filling of multi-cavity tools. Within the scope of the "activeEcon" feature it is possible to create and optimise a detailed energy consumption analysis for all machine motions for each individual shot. Generally Sumitomo (SHI) Demag offers a comprehensive

catalogue with a total of sixteen modules for increasing production efficiency.

**Demag Plastics Group SP. z.o.o.**

**Plastpol, 07.05. – 10.05.2013**

**Targi Kielce S.A. – ul. Zakładowa 1 – Hall G – Booth 15**

**Demag Plastics Group SP. z.o.o.**

Through its subsidiary company Demag Plastics Group SP. z.o.o. Sumitomo (SHI) Demag Plastics Machinery has been represented in the Polish injection moulding machine market since 2004. Dipl.-Ing. Tomasz Tybura, General Manager of the Demag Plastics Group SP. z.o.o., as founder and joint owner of Dematech, the former Demag agency, looked after (SHI) Demag machine customers for many years.

The company is located 230 km southwest of Warsaw in Czestochowa, where Demag Plastics Group SP. z.o.o. has facilities for customer training and instruction as well as for machine presentations, tool certification and customer trials.

As well as Tomasz Tybura, a further thirteen Demag Plastics Group staff are employed in Poland. Sales engineers and service staff are situated mainly in the three largest centres of the Polish plastic manufacture in Schlesia, Warsaw/Lodz and Bydgoszcz/Posen.

[www.demag.pl](http://www.demag.pl)

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<activePlus\_en>



*The 16 activePlus technology modules help processors make their production more efficient*

*Photo: Sumitomo (SHI) Demag*

<IntElect\_100-340>



*The fully electric IntElect 100 will produce lids for cotton swab boxes at the Plastpol 2013*

*Photo: Sumitomo (SHI) Demag*