Press release
14. December 2010

Fully electric injection moulding machine IntElectsmart proves its precision

Sumitomo (SHI) Demag at the Interplastica 2011

At the Interplastica, which will be held in Moscow from 25 until 28 January 2011, the German-Japanese company, Sumitomo (SHI) Demag, will be giving a live presentation of the high efficiency, precision and reproducibility of the fully electric IntElect smart machine in the production of precision parts. The presentation will be given at stand № 1D02 belonging to the Sumitomo subsidiary, CJSC Sumitomo (SHI) Demag of Moscow.

As Alexander Votinov Dipl.-Ing., who has been the new Managing Director of CJSC Sumitomo (SHI) Demag Plastics Machinery since August 2010, explained prior to the Interplastica, the Russian market for plastics has withstood the crisis. According to him, the most important customers for the plastics industry in Russia are currently the food and the packaging industry, retailing and the construction industry.

In Moscow CJSC Sumitomo (SHI) Demag Plastics Machinery will be presenting an IntElect 160-680 with a clamping force of 1,600 kN that produces coffee mugs made of styrene/acrylic/nitrile copolymer (SAN) Luran® 368 R from BASF in one mould from Viki Vostok. An integrated linear robot from STAR Automation removes

the moulded parts from the mould. The peripheral technology is provided by PIOVAN.

The IntElect smart with its high efficiency and availability, wide tiebar spacing and linear guides for voluminous and heavy moulds is exactly tailored to the requirements of the European market. Its excellent reproducibility with outstanding process capability values form the basis for zero-error production. Drives specially developed for injection moulding contribute towards the high efficiency and dynamism. The linear guides for the mobile plate and the enhanced kinematics of the 5-point double toggle mechanism ensure extremely smooth operation. Due to the interplay between the continuous monitoring of the movement forces during the clamping movement and the fast-reacting machine control mechanism, the highly sensitive mould protection system, activeQ, effectively protects valuable moulds against wear and tear or damage.

Previously the IntElect smart was offered with four clamping forces of between 500 and 1,600 kN. Since the K Trade Fair in autumn 2010 the portfolio has included four further models with clamping forces of between 2,200 and 4,500 kN with which Sumitomo (SHI) Demag has extended the application range of its fully electric machines to include greater clamping forces, heavier moulds and higher shot weights.

CJSC Sumitomo (SHI) Demag Plastics Machinery

Sumitomo (SHI) Demag Plastics Machinery has been represented in the Russian market for injection moulding machines for many years through its

subsidiary, CJSC Sumitomo (SHI) Demag Plastics Machinery. The presence of CJSC Sumitomo (SHI) Demag Plastics Machinery not only includes its head office in Moscow, but also sales offices and service branches in all regions of economic importance, such as St Petersburg, Nizhny Novgorod and Ufa in Russia as well as Minsk in Belarus. The company's activities in Kiev, Ukraine, are also steered from Moscow.

Due to its early market entry, its long tradition in Russia and consistent further development in the fields of technology and service, CJSC Sumitomo (SHI) Demag Plastics Machinery has been one of the market's leading producers for many years. In September 2010 the subsidiary celebrated its 20th anniversary in Moscow. Since 1990 more than 3,000 Demag machines have been supplied to Russia and the CIS countries.

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<IntElect_100_smart>

The electrical injection moulding machine, IntElect smart – here the model with a clamping force of 1,000 kN. Since the K 2010 it has been available with a clamping force of up to 4,500 kN and now a version with a clamping force of 1,600 kN can be seen at the Interplastica.

Photo: Sumitomo (SHI) Demag

<Coffee_mugs>

At the Interplastica there is an IntElect 160-680 producing coffee mugs made of styrene/acrylonitrile copolymer (SAN) Luran® 368 R from BASF

Photo: Sumitomo (SHI) Demag