

Press Release
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Sumitomo (SHI) Demag to expand its Systec series

The hydraulic injection moulding machine made by Sumitomo (SHI) Demag Plastics Machinery GmbH of Schwaig/Germany has been expanded by the clamping force of 10,000 kN and is available with clamping forces from 250 kN through 10,000 kN as of now.

The hydraulic Systec series made by Sumitomo (SHI) Demag gives proof of the fact that productive capacity and energy efficiency do not have to contrast each other. In respect of energy efficiency, the Systec series impresses with its modern drive system. For frame sizes 1,300 kN through 10,000 kN, the toggle drive on the clamping unit brings about even further reductions in power requirements as compared to other all-hydraulic clamping systems.

The Systec features a sturdy and compact design offering a lot of clearance for large moulds. The precise guidance of the mobile mould plate guarantees highly precise clamping movements, thus reducing mould wear to a considerable extent. In addition, the highly sensitive "activeQ" mould protection feature detects malfunctions across the freely definable mould protection area and does not increase the cycle time. Owing to the features of envelope monitoring and active deceleration, this systems provides highest levels of safety for the resources of customers.

Moreover, the complete and independent control of each machine axis is an additional benefit in terms of precision.

Short cycle times and high levels of precision or availability facilitate highest levels of efficiency while offering the best cost-benefit ratio conceivable. Another factor enabling low costs of operation is the independent cooling circuit ("activeCool+Clean") that facilitates oil lifetimes of no less than 40,000 hours.

Modular injection units for the most varied plasticising jobs, various configuration levels and a comprehensive package of optional features make the Systec a flexible machine for practically any job. The modular design of this machine is also reflected by the machine control of the Systec: all machines of the Systec series come with the ergonomic NC5 control. Thus, virtually any customer requirements can be satisfied.

As of now, the Systec series will be available with clamping forces in the range from 250 kN through 10,000 kN.

Sumitomo (SHI) Demag Plastics Machinery GmbH

From the very beginning, Sumitomo (SHI) Demag has sustainably shaped the development of the plastics industry. Being specialized in injection moulding machines for the processing of plastic materials, Sumitomo (SHI) Demag and its Japanese parent company are among the leading companies in this sector globally.

At four manufacturing bases in Germany, Japan, and China, more than 3,000 employees develop and produce a product range including all-electric, hybrid or hydraulic injection moulding machines with clamping forces ranging from 180 kN through 20,000 kN. With a complete sales and servicing network, Sumitomo (SHI) Demag is well represented in all industrial regions of the world. In addition to injection moulding machines as such, Sumitomo (SHI) Demag offers its customers competent solutions for their specific jobs, starting from financing via technology or process development, including complete automation systems, to customized service arrangements.

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