

Press release

18 April 2012

Two modular standard machines from 500 to 10,000 kN at the trade show in Shanghai

Extended Systec C machine series in the focus of the Chinaplas presentation by Demag Plastics Machinery (Ningbo)

Sumitomo (SHI) Demag Plastics Machinery GmbH, Schwaig/Germany and its Chinese subsidiary Demag Plastics Machinery (Ningbo) Co., Ltd. will be exhibiting at the Chinaplas from 18 to 21 April 2012 in Shanghai/China. On stand E2J41 in Hall E2, the German/Japanese injection moulding machine builder will be showing a total of five machines, including two models of its Systec C all-purpose machine from Chinese production. As the successor to the Systec C series, the exceedingly versatile series of hydraulic machines is equipped with various technical features for the lowest possible energy consumption.

In order to serve Chinese plastics processors with their high and increasing expectations on production efficiency, durability and reliability by providing economical injection moulding technology, Demag Plastics Machinery (Ningbo) and Sumitomo (SHI) Demag have consistently adapted their portfolio of machines produced in China to the needs of Chinese injection moulding companies.

As a result, the company is phasing out its former Dragon (500 to 1,500 kN closing force) series with the Systec C series. The fully controlled, hydraulic all-purpose machine is now available with 12 sizes and a comprehensive range of modules in the closing force range from 500 to 10,000 kN. Demag Plastics Machinery (Ningbo) Co., Ltd. is offering its Systec C with a hydraulic closing unit – from 500 to 1,200 kN with a fully hydraulic knuckle-joint closing system and from 1,300 to 10,000 kN with a hydromechanic knuckle-joint closing system. Four sizes of injection unit are available for each closing force category. As a fully controlled, hydraulic all-purpose machine, it can be used for manufacturing a wide variety of plastic parts for practically unlimited consumer segments.

At the Chinaplas, Demag Plastics Machinery (Ningbo) will be showing one Systec 100-430 C with 1,000 kN closing force and one Systec 160-600 C with 1,600 kN closing force.

A Systec 100-430 C with a 30 mm screw will be shown on the stand producing needle protection caps from polypropylene (PP) to be used in syringes. The 64-cavity hot channel die from Schöttli AG, Diessenhofen/Switzerland, requires high precision and performance from the Systec C with its 11 second cycle time. A whole host of machine equipment on this exhibit contributes to reducing the specific energy consumption: The servo pump drive from Yuken offers high performance with low and efficient energy use. Improved insulation for the heating bands on the cylinder jacket reduces thermal radiation from the plasticisation unit. The Systec C on show is equipped with a robot for handling the moulded parts. Via the Euromap 67 interface, the S5 from Sepro Robotique, La Roche-sur-Yon/France communicates with the machine's NC5 controller.

The exhibited Systec 160-640 C with 1,600 kN closing force, electric metering drive and 40 mm screw is designed for high performance and dynamic properties, in order to manufacture a thin-walled cap from polypropylene (PP). The electric screw drive ensures a high plasticisation performance with reduced energy consumption, and enables cycle times of only 3.2 seconds to be achieved thanks to dosing taking place in parallel with the die movements.

Demag Plastics Machinery (Ningbo) and Sumitomo (SHI) Demag in profile

Demag Plastics Machinery (Ningbo) Co., Ltd., Ningbo/China has been manufacturing high-performance injection moulding machines for the Chinese and other Asian markets since 1998. The former Demag site has been located in its own, newly built plant since 2007, after having relocated to a larger factory premises with 11,000 m² production area after achieving complete capacity utilisation. The range of injection moulding machines will in future consist of the Systec C series with 500 to 10,000 kN closing force for Asian markets.

Sumitomo (SHI) Demag Plastics Machinery GmbH, Schwaig/Germany, is one of the world's largest manufacturers of injection moulding machines for plastic processing. The Japanese/German company was formed in early 2008 by the merger of the injection moulding machine activities of Sumitomo Heavy Industries (SHI) and the Demag Plastics Group.

The global development and production network of Sumitomo Heavy Industries and Sumitomo (SHI) Demag comprises four plants in Japan, Germany and China, employing more than 3,000 people. The product range includes fully electric, hydraulic and hybrid-drive injection moulding machines in the closing force range between 180 and 20,000 kN. With over

100,000 installed machines, Sumitomo (SHI) Demag is present in all important markets in the world.

Selling more than 5,000 machines every year, Sumitomo Heavy Industries with its plastics machine arm is regarded as one of the largest global manufacturers of injection moulding machines.

The Sumitomo headquarters in Chiba, Japan, manufactures machines with small and medium closing forces. About 95% of all machines delivered have a fully electric drive concept.

The Demag headquarters in Schwaig/Germany focuses on manufacturing Systemec machines as well as EI-Exis hybrid high-performance and high-speed machines. In line with the increasing importance of electric drive technology for injection moulding machines, Sumitomo (SHI) Demag has expanded the former Demag plant in Wiehe/Germany into a global centre of competence for electric machines. Thanks to the production capacities created, Wiehe currently supplies electric injection moulding machines with up to 4,500 kN closing force in the IntElect series, as well as hydraulic machines in the Systemec series with up to 1,200 kN closing force for the international market.

In addition to injection moulding machines, Sumitomo (SHI) Demag offers systems for individual customers and standardised systems for automating the moulded part handling, process engineering solutions for special applications, tailor-made services and service concepts as well as offers of financing the investment in injection moulding machines.

With its comprehensive sales and service network comprising subsidiaries and agencies, Sumitomo (SHI) Demag is present in all important industrial markets.

www.sumitomo-shi-demag.eu

Demag Plastics Machinery (Ningbo) Co., Ltd.

Chinaplas, 18-21 April 2012

Shanghai, Stand E2J41



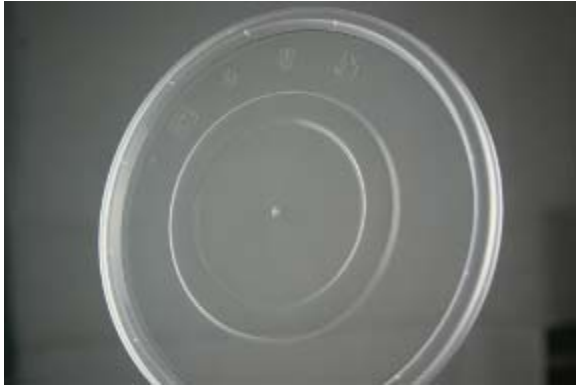
The energy-efficient hydraulic Systec C injection moulding machines produced by Demag Plastics Machinery (Ningbo) – in this case a Systec 160-840 C

Photo: Demag Plastics Machinery (Ningbo)



Injection-moulded needle protection caps, manufactured on a Systec 100-430 C injection moulding machine from Demag Plastics Machinery (Ningbo) using a die from Schöttli AG, Diessenhofen/Switzerland

Photo: Demag Plastics Machinery (Ningbo)



*Polypropylene (PP) cap, injection-moulded on a Systec 160-640 C machine from Demag Plastics Machinery (Ningbo) using a die from SQ mould, Dongguan/China
Photo: Demag Plastics Machinery (Ningbo)*

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