

Hall 15, Booth D22

EI-Exis SP leads on packaging sustainability and speed at K-2019

Schwaig, July 1, 2019 - Sumitomo (SHI) Demag Plastics Machinery GmbH continues to enhance the energy credentials of its EI-Exis SP range, which remain the fastest packaging injection moulding machines in the world market today.

The European packaging market is forecast to grow 1.9% annually between 2018 and 2023¹. Yet, the ongoing pressure to reduce the environmental impact of single use plastic packaging up and down the supply chain, is driving brand owners, retailers, packaging converters and consumers alike to take more sustainable actions.

Consuming up to 20% less energy than its predecessors, Sumitomo (SHI) Demag is bringing two energy-enhanced EI-Exis SP machines to K-2019 - a large and a small version. Catering specifically to the packaging moulding markets, the ultra-high speed range ensures manufacturers never need to compromise on quality, production efficiency or sustainability.

Now in its fourth generation, the EI-Exis SP range is *“still the fastest injection moulding machine in the world,”* states Arnaud Nomblot, Director Business Development Packaging at Sumitomo (SHI) Demag. *“Capable of delivering the lowest dry cycle times, the machines in the latest series have high process consistency and high energy efficiency,”* explains Nomblot.

Central to the machine's fast cycle time is the hydraulic accumulator, which achieves injection speeds of up to 1000 mm/s. This enables moulders to produce even thinner packaging items. The range is also one of the fastest machines in the market for injection dynamic. *“The combination of speed with high quality moulding repeatability helps to minimise packaging production waste,”* adds Nomblot.

A new control valve has also been introduced to the EI-Exis SP range. Regulating the hydraulic pressure during the loading of the accumulator, this new feature means the machines now consume up to 20% less energy compared to the machines' predecessors. The amount of energy saved is dependent upon the packaging application, moulding cycle time and process parameters.

As well as being better for the environment, reducing energy consumption can significantly impact Total Cost of Ownership (TCO) and Return on Investment (ROI) for packaging moulders. Centralised monitoring of real time machine performance and energy consumption is equally critical to reducing machine downtime.

In Mould Labelling (IML), multi-component moulding for premium packaging, pails and handle assembly, along with injection compression moulding, remain part of the standard EI-Exis SP offering.

Throughout K-2019, Sumitomo (SHI) Demag will run a live mass-manufacturing packaging demonstration, producing the equivalent of 130,000 water bottle caps an hour on a 72-cavity mould.

“Aimed directly at high volume manufacturers of polymer products, including caps and closures and thin wall containers and lids, the EI-Exis SP range delivers greater processing control, in addition to lowering operational costs and delivering energy savings,” ends Nomblot.

The EI-Exis SP is available with a clamp force range of between 150 and 800 tonnes.

To view the latest sustainability developments in packaging moulding, visit Hall 15, Booth D22, 16 to 23 October 2019.

Images/Captions

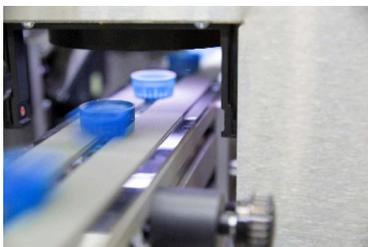


Image 1: In a live demonstration at K-2019, Sumitomo (SHI) Demag will produce the equivalent of 130,000 water bottle caps an hour on a 72-cavity mould on an EI-Exis SP
IMAGE COURTESY OF INTRAVIS

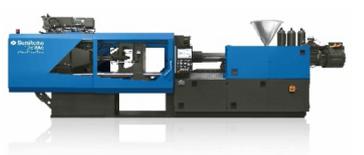
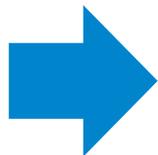


Image 2: New features added to the EI-Exis SP range reduces energy consumption by up to 20%

Notes to the editor

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Sumitomo (SHI) Demag will be hosting a K-Show

Media Conference at 10:30am, Thursday 17 October in Hall 1, Room 17.

To register your attendance, please email lucy.benbow@glohouse.co.uk

The PR team will share our press pack material with editors after the conference. However, if you'd like to receive advanced copies of the product launches and commentaries from Sumitomo (SHI) Demag to accommodate your print deadlines, Lucy Benbow will be able to issue embargoed exclusives from the start of October 2019. lucy.benbow@glohouse.co.uk

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Sumitomo (SHI) Demag Plastics Machinery GmbH

Sumitomo (SHI) Demag has shaped the development of the plastics industry from its very beginning. As a specialist for injection moulding machines for plastics processing, Sumitomo (SHI) Demag and its Japanese parent company are leading the industry.

The global development and production network of Sumitomo Heavy Industries and Sumitomo (SHI) Demag is comprised of four facilities in Japan, Germany and China with more than 3,000 employees. The product portfolio includes all-electric, hydraulic and hybrid injection moulding machines with clamping forces of between 180 and 15.000 kN. With more than 125,000 installed machines, Sumitomo (SHI) Demag is present in important global markets and ranks among the largest manufacturers of injection moulding machines in the world.

At Sumitomo's headquarters in Chiba, Japan, the company manufactures machines with clamping forces in the small to medium range. Nearly 95 % of all delivered machines are equipped with an all-electric drive concept. Sumitomo (SHI) Demag's German facilities in Schwaig and Wiehe produce the Systec Servo range with hybrid drive as well as the EI-Exis SP and Systec SP range of high-speed, high-

performance machines. The all-electric IntElect range for international customers is also being produced in Germany.

As early as 1998, Sumitomo (SHI) Demag set up its first production site in Ningbo/China. In 2015, the Chinese subsidiary Demag Plastics Machinery (Ningbo) Co., Ltd. installed a new facility with a 13,000 m² floor space. It is earmarked for the production of the Systec C range with clamping forces of between 500 and 10,000 kN for the Asian market.

In addition to injection moulding machines, Sumitomo (SHI) Demag offers customised and standardised systems for the part handling automation, technical and process solutions for special applications, tailored services and service concepts as well as a range of financial options to support investment in injection moulding machines.

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

ⁱ <https://www.smitherspira.com/industry-market-reports/european-packaging-competitive-landscape-to-2023>