Fachverlag für die Polymerindustrie

Haitian: Economic and energy saving injection moulding

Haitian International will exhibit its broad injection moulding machines portfolio, including the Mars series, the new Mars Eco, the two-platen series Jupiter, the new and energy saving Pallas, the all-electric Zhafir Venus series, and starting with the K show the Zhafir Mercury series for the high-end sector.

Haitian Mars Eco series

The Mars series is said to have been sold 25,000 times since its launch in 2006. Haitian is now offering an economic version of this series, the new Mars Eco, a cost-efficient standard machine for the production of simple standard parts. The Mars Eco features the energy saving Mars technology which is patented in China. The company points out, that CE-certified machine is sold at around 50 % below the European standard machines in price. It will be offered starting at the K 2010 with clamping forces from 600–10,000 kN.

The new Pallas series was launched at this year's Chinaplas and combines the energetic properties of the Mars series with more speed and precision. In the clamping forces from 600–4,500 kN the Pallas range is equipped with a kinematically revised five-point toggle system. From 5,300 kN the Pallas starts with a newly developed and space saving two-platen solution.

In addition, the all-electric Zhafir Venus **VE/p** (packaging version) introduced at Chinaplas 2009 is now also available for the European market. In the case of this version attention was paid to very high acceleration. The VE/p achieves a response time of approximately 25 ms and consequently guarantees dynamic injection and a precise part weight.

Furthermore, the new Zhafir Mercury series for high-end injection moulding applications will celebrate its premiere at the K show. The machine design shows new approaches in the primary drive axes: Tie bars become side walls and consequently take on more functions. The clamping system is reduced to the most essential moving parts.

The separation of plastification and injection permits the combination of different screws and injection piston diameters and allows for very high melt quality. According to Haitian, the injection process is highly dynamic and the piston facilitates a constant injection volume for consistent part weight. The Mercury is planned in clamping forces between 300 kN and 5,000 kN and production will start beginning of 2011.

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