

Arburg focuses on production efficiency at Chinaplas

The German machine construction company Arburg GmbH + Co. KG, headquartered in Lossburg, will present itself with three exhibits at the Chinaplas from 20–23 May 2013 in Guangzhou, China. The presentation covers electric, hybrid, and hydraulic machine technology, including special processes such as multi-component and LSR injection moulding as well as machine configurations for specific products and industries, and automated moulded part production.

During the exhibition an orange peeler with LSR element will be produced on a hydraulic two-component Allrounder 520 S with a clamping force of 1,600 kN and size 290 and 100 injection units. With this system, the company demonstrates its know-how in multi-component injection moulding and the processing of liquid silicone. The LSR component lends a pleasant feel to the handle of the peeler. A local supplier, mould-making firm Hongrita, provides the necessary equipment. The Allrounder S machine series covers a range of clamping forces from 125–5,000 kN and is available in different hydraulic and electric drive alternatives and equipment versions.

In addition, the company will highlight the new “packaging” version of its hybrid Hidrive series. The Allrounder 520 H packaging model exhibited at the Chinaplas has a clamping force of 1,300 kN and size 400 injection unit. It produces a typical packaging item – an ice-cream tub – in a cycle time of 3.5 s. According to Arburg, the Allrounder Hidrive models with the “P” label have been optimised to suit the requirements of the packaging sector, including fine tuning the distance between tie bars, clamping force, and opening stroke. Advantages are fast, precise and energy-saving mould movements thanks to servo-electric toggle-type clamping units, high plasticising capacities thanks to barrier screws and servo-electric dosage drives, and dynamically position-regulated screws.

Furthermore, for the medical technology sector an electric Allrounder 370 E will be presented, producing a housing for use in a fluid mixing system. The exhibit has a clamping force of 600 kN and works with a size 170 injection unit. In this application, all parts handling is carried out by a Multilift Select robotic system, which is fully integrated in the Selogica machine control system. The electric Edrive series is said to offer precision, reproducibility, energy efficiency, and low emissions, and is suitable for clean room applications.

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