

Press Release 10/2012

Neustadt-Fernthal, Mai 02, 2012

TWO BOY'S AT CHINAPLAS 2012

During the April 2012 Chinaplas, which was held in Shanghai and is the largest plastic trade fair in the Asian area, BOY demonstrated two of its compact injection moulding machines. A BOY **XS** with a clamping force of 100 kN and a BOY 35 E with a clamping force of 350 kN, which was equipped with an energy-efficient servo drive, clearly demonstrated BOY's qualifications in the clamping force range below 1.000 kN.

Ultra compact, reliable and highly repeatable

These are the outstanding design features of the BOY **XS**. With a footprint of only 0,8 m² and a stroke volume of 0,1 cm³ to 8,0 cm³, high precision parts can be produced in a 24/7 industrial environment with maximum repeatability. During the fair, the BOY **XS** demonstrated a clean room 10,000 production environment by producing 0.1 g mini-**osteosynthesis platens with a cycle time of 3.8 seconds.**

Maximum efficiency due to sprueless part production

Another advantage of the BOY **XS** is its ability to incorporate sprueless, single-cavity injection moulding by using a specially designed nozzle. The nozzle injects directly into the cavity thereby producing a sprueless part. Expensive hot runner systems can be eliminated. The sprueless system, which helps to save energy, material and cycle time, was a major attraction to the attendees.

Higher performance and reduced energy consumption

A BOY 35 E produced protective caps in a sixteen-cavity mould. Equipped with the energy efficient servo drive system and the high end Procan ALPHA control with full-touch-display, the BOY 35 E was impressive with its precision, dynamics and quietness.

Since the introduction of the servo motor pump drive in 2008, more and more users have selected the energy efficient BOY E-Series drive technology.

Energy concerns affect more and more of the manufacturers in China. Because of this the interest among attendees was very high. Depending on the cycle time, energy savings of up to 70 % can be achieved when compared to other drive technologies.

The four-tie bar BOY 35 E injection moulding machine with it's cantilevered, two-platen clamping unit has set new standards in its tonnage range. In addition to its small footprint of only 1,9 m², the machine offers a maximum injection volume of 76,5 m³.

Due to many successful conversations at the Chinaplas and an abundance of projects, BOY sees itself well established in the Chinese market. BOY is represented by two agencies and several sales offices in China. The energy saving drive technology of the BOY E-Series and the much-admired Procan ALPHA control separates BOY from the competition.



Photo(s): > BOY-Booth at the Chinaplas 2012