

## Press Release 18/2012

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### **Premier of the new BOY 25 E VV**

With the new BOY 25 E VV, BOY extends its E-Series machine concept. The compactly designed machine, which will be exhibited for the first time at Fakuma 2012, is designed with an extremely small footprint and allows simple integration of automation and handling.

### **Many advantages**

The BOY 25 E VV, the successor to the very successful BOY 22 A VV, has clearly been improved in terms of efficiency, clamping force, accessibility and space requirements.

“We continue to respond to the ever increasing market demands for energy-saving machines. The new BOY 25 E VV is equipped with the energy efficient servo motor pump drive. The clamping force was increased to 250 kN and the space requirement was reduced by nearly 10 %”, stated Martin Kaiser, Head of Mechanic Design for BOY, when summarizing the advantages of the latest BOY insert moulding machine.

### **Good mix of proven and new**

Extensive improvements as well as proven design features were integrated into the redesign of the BOY 25 E VV. The fixed lower platen, a standard feature on all BOY insert moulding machines, remains the most important design feature for insert moulding applications. The energy saving and patented clamp locking function has been retained. The well-proven two tie bar clamping unit was further optimized for increased velocities.

The whole drive system was newly designed and the hydraulic control unit was completely revised.

## Energy saving made easy

Achieving optimal energy utilization was the most important goal in the machine redesign. The servo motor pump drive, which BOY has already integrated into their E-Series group of machines, is now also used on the BOY 25 E VV. This servo-drive is faster, more dynamic and is very quiet. The intuitive, multi-patented Procan ALPHA<sup>®</sup> control guarantees precision and ease of operation via a 15" full-touch colour display.

Insulating sleeves for the plasticizing units and a servo-electric screw drive are options that can clearly reduce energy consumption. Depending on the cycle time, energy consumption savings of up to 70 % are possible.



Photo(s): > The new insert moulding machine BOY 25 E VV