

Press Release 22/2015

Neustadt-Fernthal, July 2015

BOY with new concepts at Fakuma

With new concepts, BOY will make its this year's fair performance in Friedrichshafen even more interesting. With a total of 10 exhibits, the specialist for injection moulding machines with clamping forces up to 1,000 kN will present itself on October 13 – 17 in hall A7 / booth 7101.

New possibilities in 3D

"The use of additive printed mould inserts is our approach to the 3D world" says Michael Kleinebrahm, BOY Manager Process Engineering. Thus, new mould inserts will be made in shortest time on a 3D printer live in the BOY booth. These inserts will be installed in a mould holder on a BOY XS and the production of practical karabiner hooks made of diverse materials will be started. Mould lives up to 100 shots are easily possible and the change of new inserts takes a few minutes. "The parts which will be moulded on the 3D moulds correspond exactly in their physical properties to parts produced on conventional moulds. We consider this quick solution to produce cost-effectively samples resp. small series parts as a very practicable and economical alternative to additive production of plastic parts."

Hot and cold multi-component technology

With the combination of BOY 35 E VH and BOY 2C XS, BOY will show the fully automated production of crosstip screwdrivers in size PH 1 in a four-position mould. First, the steel blank (blade), which will be inserted into the mould, will be over-moulded with

hot PA 6 GF. After this, a transfer system will put the screwdriver in a waiting position in the mould. During the next machine cycle, the PA-basic body tempered to approx. 80°C will reach automatically the next processing station, where the handle will be over-moulded with two-component liquid silicone. This provides for a pleasant haptic of the screw driver. In the last station, the handle will cool down and will be removed from the mould area with an automation device. The special mould concept of this interesting and very attractive application is the optimal hot and cold temperature control in just a single mould.

Visit BOY for a good purpose

BOY will show a very special application with its longtime partner Hans Fleig GmbH from Lahr/Germany. Practical floor protectors for beer tables and benches will be produced on a BOY 25 E. After each shot in a 1+1-cavity mould, a right and left part will be put into a transparent bag, which will be closed after six cycles in an automation device. This floor protector set, which the company Fleig sells as own product, will be given away at the exhibition for a donation for a charitable purpose. The proceed of this campaign will be completely handed over to the children's cancer clinic in Freiburg by all companies involved in this project.

Well positioned

With a total of ten machines between 100 and 1,000 kN clamping force and two injection units for the second component, BOY will show a representative cross section of its machine program at Fakuma 2015. The efficient servo drive of the E-Series, the optionally EconPlast plasticizing technology as well as the multi-component technology and the automation solutions which are optimally tailored to the respective application will be in the foreground. The whole BOY exhibition team is looking forward to explain the used technologies and solutions to the international professional audience in hall A7 directly at the East entrance.



Photo(s): > Easy installation and disassembly of additive made mould inserts