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The New BOY 25 E is even more powerful

In a few weeks, the new BOY 25 E with 250 kN clamping force will be presented to the public for the first time at K 2013 in Dusseldorf (hall 13 / booth A 43). According to the well known compactness of all BOY injection moulding machines, a footprint of only 1,8 m² is required. When constructing we also paid attention to the improvement of the accessibility to the mould space and the plasticizing units. This set the preconditions for an even faster mould change. Thanks to the servo-motor pump drive not only the energy costs can be kept low, but also a reduction of the oil amount to 65 liters and a clearly reduction of the noise emission to below 67 dB (A) were realized.

In the area of the mould space and the trip chute, smoother surfaces ensure a safe removal of the parts and improved clean room compatibility.

The new model has six optional injection units in the range of the Euromap sizes SP 11 to SP 82. With the availability of screw diameters from 12 mm to 32 mm (for 4,5 to maximum 76,4 cm³ stroke volume) an enormous scope of applications is covered.

As a special highlight, differential injection is possible with the thermoplastic plasticizing units SP 11, SP 16 and SP 39.

“With the new differential injection units, we provide the user maximum flexibility“ Martin Kaiser, BOY Head of Mech.-Hydr. Design, stated. “Especially the injection unit SP 39 with

the 18mm and 22 mm screw diameters will be probably most in demand, since the differential injection can be optionally switched on or off," explains Kaiser. In this way the user can optimally adapt the injection unit to the mould: on the one hand fast injection for thin walled parts or on the other hand very high injection pressures for difficult to fill form geometries. This flexibility is possible through loading in terms of software of the constant lists, which are valid for the respective screw diameter and which determine the performance of the injection units.

Additional advantages of the differential injection units are shorter cycle times as well as the reduction of time-consuming and costly alterations. "Loading of the respective constant lists is in any case faster than a mechanical alteration," states the BOY Head of Design.

With the newly developed BOY 25 E and the flexible differential injection units, BOY demonstrates again its efforts to make the injection moulding machines even more flexible and efficient in the terms of the user.

Photo(s): > BOY 25 E with Procan ALPHA ® 2 control