

Press Release 05/2015

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A strong partnership at PLAST in Milan

Five BOY injection moulding machines will be displayed at this internationally renowned plastics trade fair (May 5 – 9, 2015) in the booths of the BOY partner ST.A.TE Technologies srl.

The focus of the exhibition presentations will be the processing of thermoplastic in hall 11 / booth B01. In a second booth in hall 22 / booth B 36, the Italian BOY distributor will show the processing of elastomer on BOY injection moulding machines. The range of compact and efficient BOY injection moulding machines at PLAST will begin with the smallest injection moulding machine BOY XS (100 kN clamping force) up to the BOY 80 E (800 kN clamping force).

E-Series with attractive elastomer application

On the compact BOY 80 E (4,67 m² footprint), the processing of liquid silicone (LSR) will be demonstrated with the production of sealings for cable bushings. A separate metering pump will feed both components into the 124-cavity mould through a special silicone injection unit.

The thermoplastic highlights in hall 11

A high-speed application on the BOY 60 E (600 kN clamping force) will prove how powerful BOY injection moulding machines are. The dynamic servo drive – standard on all E-Series machines – operates extremely precise, is energy-efficient and very quiet.

Thin wall thickness and long flow paths

Thin-walled business cards will be produced on a BOY 35 E (350 kN clamping force) for which very high injection speeds are required. *“Without differential injection, the filling of thin-walled parts would not be possible,”* explains Michael Kleinebrahm, BOY Manager Process Engineering. *“The business cards have a number of cut-outs, which highly affect the flow of the more and more toughened plastic in the mould. Only with the new differential injection units, this sophisticated part will be filled carefully up to the last corner.”* A picker with removal and placing functions, which will be specially adapted to this application, will work fully integrated under the safety housing of the BOY 35 E.

Active key experience

On the BOY 35 E VV (350 kN clamping force) insert moulding machine, visitors will have the possibility to insert different sized metal Allen key blanks into the mould and to produce – under professional guidance – their own Allen screw key set with a plastic handle. This will be done by a push of a button. This experience – to have actively operated an injection moulding machine on their own, will remain in the memory of many exhibition visitors for a long time.

Many options in smallest space

On the BOY XS – the smallest BOY injection moulding machine with 100 kN clamping force – nearly all available options including a dryer, material conveying device and integrated removal device will be shown in the smallest of spaces. The automation unit, which will be positioned at the rear side of the machine, will move with the grabber into the opened 8-cavity mould and will remove protective caps for electronic components. The small sprue will be separated and the parts will be placed on an integrated conveyor belt.

Strong in the market

“Due to the numerous innovations and attractive applications, we will have two separate booths at Plast for the first time,” says Francesco Valsecchi, Managing Partner of the Italian BOY distributor. *“We expect a lot from PLAST 2015 and we are well-prepared for the five days of the exhibition.”*



Photo(s) > Strong partners show the BOY exhibits at Plast in Milan