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BOY with successful presence at the NPE in Orlando

The German machine manufacturer BOY can look back on the successful and well-attended plastics trade fair NPE that took place in Orlando. The specialist of Injection Moulding Machines, located in Neustadt-Fernthal, convinced a large number of trade fair visitors with interesting applications on a total of six exhibits at the booth of its American sister company BOY Machines, Inc.

Since 1974, BOY Machines (BMI) has been a fixed size in the North American plastics industry.

Trade visitors were shown a representative selection of the BOY machine program right at the main entrance to Hall West: from the small Benchtop-machine BOY XXS with 63 kN and the compact Injection Moulding Machine BOY 35 VV with integrated automation cell up to the BOY 100 E with efficient servo-drive and 1000 kN clamping force. The performance and strengths of the different machines, the good automation options and the machine efficiency were perfectly staged at the very functional and openly designed booth.

Helga Schiffer, Chairman of the Board and Todd St. Pierre, President of BMI, were particularly impressed by the success of the NPE trade fair presence. *"We participated in all NPE fairs right from the start,"* said Helga Schiffer, *"but this year we could welcome around 1/3 more visitors at our booth than at the NPE three years ago."* And the president of the American sister company, Todd St. Pierre,

adds: "Numerous promising discussions concerning machines, peripherals and integrated automation equipment, such as our new Handling LR 5, offer great potential for the further development of BMI."

A good example of the versatility of BOY Injection Moulding Machines he referred to was implemented very well at the NPE with a fully automatic two-component application. A BOY 60 E (600 kN clamping force) manufactured bottle spouts in a hard / soft composite (NAS / TPE) in combination with a separate injection unit BOY 2C S. The (wine) spout produced in an indexing mould was removed by a BOY-Handling LR 5 - integrated in the production plant - and deposited on a conveyor belt. In addition to a very economical solution, this production plant demonstrated the flexible use of BOY Injection Moulding Machines and the independently usable BOY 2C S injection unit, for the simple implementation of multi-component technology.

The compact and fully automatic solution for the overmoulding of a metal part on a BOY 35 E VV attracted specifically the interest of the visitors. The metal insert of a bottle opener was removed from a magazine by a Yushin-six-axis robot, inserted into the mould and the finished overmoulded bottle opener was removed. Due to the design of the vertical BOY Insert Moulding Machines, the complete automation can be mounted on the free machine frame, i.e. no additional footprint in the production hall is needed.

A special "NPE Eye-catcher" was the smallest BOY Injection Moulding Machine. The exhibited combination of a BOY XXS with integrated cooling unit, which thus eliminates the need of an external water supply, was of particular interest to those visitors working in the field of laboratory application and prototype

production. The high flexibility of the BOY XXS, the compact dimensions (0.89 m²) as well as the many application possibilities in permanent industrial use did a lot of persuading.



Photo:> BOY-booth at the NPE