

Press Release 12/2014

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Automated, energy-efficient BOY 60 E at Hannover Messe 2014

In a joint booth in the Metal-Ceramic-Plastic (IMKK) innovative cluster, BOY presented its new BOY 60 E with 600 kN clamping force. Eveline Lemke, Minister of Economic Affairs of Rhineland-Palatinate, was impressed by the production of transparent polycarbonate beer glasses, which were also automatically filled.

Produced, lasered, tapped and provided

The glasses, which were produced on the BOY 60 E, were removed from the mould by a BOY 30 SL handling system and labeled by a laser that was provided by Bluhm Systeme GmbH, Rheinbreitbach / district of Neuwied. Afterwards, the empty glasses were placed on a conveyor belt and filled with an outstanding exhibition drink, a tasty product from Westerwald-Brauerei H. Schneider GmbH & Co. KG.

The BOY 60 E was equipped with the new BOY SL 30 handling system, which recently was added to the BOY sales program. The four axes industrial robot with integrated rotating and swivel function, has load bearing capacities up to 5 kg and conforms to CE protection housing requirements. It transforms a conventional injection moulding machine into an automated production cell.

The multi-patented multi-touch Procan ALPHA[®] 2 control and the newly developed EconPlast optional heating system, which can reduce the energy requirement during plasticizing of plastics up to 50 %, completed the equipment package on the BOY 60 E.

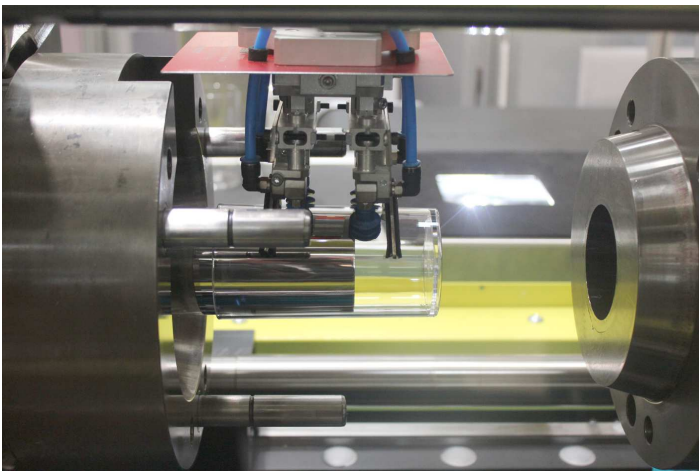
Promising potential

The many talks that were held in the well-attended joint booth caused Dirk Steinbach, local BOY Sales Staff, to expect promising sales results in the future. Mr. Steinbach summed up the exhibition by stating, *“We left a very good impression with many trade visitors with the compact automation on the BOY 60 E.*

Harald Schmillen, organizer of the joint booth of the IMKK and Managing Director of SME promotion in the district of Neuwied GmbH, agrees with the BOY Sales Staff: *“According to the host, more than 180.000 people visited the HMI 2014. It felt like 10% of them visited our joint booth, which pointed out the successful cooperation between the fields of materials metal, ceramic, plastic and composite materials. We are pleased that the co-exhibiting companies experienced such great success. When the good response from the visitors then leads to further contacts and orders, the work has paid off.”*

Top marks with saving energy

A high part of Steinbach’s positive exhibition conclusion certainly included the new BOY EconPlast technology. In combination with the servo-motor pump drive, the BOY 60 E achieves the energy classification 9+ according to Euromap 60.1. The Euromap norm compares the energy consumption of injection moulding machines and permits the user to compare results with other injection moulding machines. Since 2013 BOY has set very high standards in the implementation of Euromap 60.1 and achieves top marks throughout its entire clamping force ranges.



Photo(s) > BOY 60 E with removal automation
Minister of Economic Affairs Eveline Lemke in front of the new BOY 60 E
Handling gripper arm removes finished injected beer glass from the
mould