

Press Release 35/2018

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What's new at BOY? – Fakuma 2018

In addition to the new machine BOY 125 E, the BOY team was proud to be able to show their numerous customers and interested parties intelligent solutions in a wide range of different fields.

Alfred Schiffer, Managing Partner: "With the BOY 125 E, we answer the demands of our customers for a larger clamping unit. Increasing complexity of automation equipment and the encouraging increase in the use of additional injection units prompted us to enlarge the clamping unit accordingly." Even with a 470 mm distance of tie bars and a maximum platens distance of 825 mm, it was possible to design a very robust and yet compact machine with a footprint of just 5.2 m².

With the demonstrated liquid Silicone UV-processing on a BOY XS it is possible to process the cross-linking operation without high temperatures. This application is particularly useful when processing Silicone with temperature-sensitive fillers.

Precise embossing operations simultaneously to the injection movement were shown on a BOY 60 E, which are possible by a double pump drive system. This precise movement of the clamping unit is interesting for the production of complex lens systems and high quality surfaces. Another impressive point is the low energy consumption of only 2.24 kWh.

The new development of the in-house manufactured handling system BOY LR 5 allows the use of the recognized operator-related control philosophy of BOY for the removal of parts. In addition to the easy handling, the “Boy-typical” robustness and the excellent price-performance ratio, all aspects relevant for the manufacturing were successfully implemented.

The fact that all BOY machines at the trade fair booth were connected to the ProSeS host computer system allows an insight into the production process of each moulded part. For each manufactured part, all desired process values can be reproduced by means of a printed QR-code during the entire service life of the moulded part.

Especially parts with food contact or medical products must always be kept in a clean environment. To keep this effort in the environment of the injection moulding machine on a low level, it is useful to pack the parts directly after production to ensure an effective protection against contamination.

Simultaneously, the complete packaging up to readiness for dispatch can be implemented automatically. BOY demonstrated this impressively on a BOY 35 E injection moulding machine. Here too, the ProSeS host computer system can accompany the production process up to the preparation of the order- and dispatch documents.

In relation to the trade fair topic "Digitalisation", BOY demonstrated its capability in the field of service. At the Fakuma the BOY Remote Service (BRS) was elucidated. In this case, the customers can send online pictures of a machine to the Service-Centre in Neustadt-Fernthal via a Smartphone. Thus, the BOY-Service-Technicians "look over the shoulder" of the user and offer interactive

support in terms of troubleshooting, elimination of adjustment problems or even an online training. Lower machine downtime and a higher degree of utilization are among the advantages of the BOY "BRS". With the use of "smart glasses" (a combination of Smartphone and customizable screen), this process can be extremely simplified. With the operator questions can either be clarified by telephone or by marking of certain areas of the image within the glasses.

A BOY 15 from the founding year 1968 was a special highlight for long-standing BOY customers and a nice reason to look back on 50 years shared with BOY.



Photo: > BOY-trade fair booth Fakuma 2018