

# Press Release 12/2021

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## Successful BOY-presence at Fakuma 2021

The Fakuma plastics trade fair started with high expectations also for the machine manufacturer BOY located in Neustadt-Fernthal. After three years of abstinence, the event could take place again as a presence trade fair for the first time. Despite a slightly lower number of visitors, the medium-sized company was highly satisfied.

Andreas Scheideler, Domestic Sales Manager, comments: *"We had discussions of high quality and with good prospects. Many interesting projects could be initiated at Fakuma 2021 which offer great potential for the future."* *"This clearly distinguishes this presence fair from a digital or virtual event,"* adds Thomas Breiden, Marketing Manager at BOY. *"Our success at Fakuma 2021 makes it clear that visitors want to experience an injection moulding machine live and have intensive technical discussions on site. A virtual trade fair simply can't offer that."*

For Fakuma 2021, BOY attached special importance to the topics:

- Automation in the production process
- Increasing digitalisation of injection moulding machines
- Assistance systems directly at the machine

All four applications at the BOY booth were equipped with a BOY-automation. Three handling units BOY LR 5 removed the moulded parts from the mould, and on the BOY 80 E *hybrid*, the linear automation was even used for the further assembly of the two-component moulded part. A removal automation system completely integrated under the safety gate was demonstrated on the BOY 25 E. Here the pneumatic picker removed the

moulded medical-technical part from the mould and placed it on a conveyor belt that is also integrated.

Visitors on the BOY booth showed great interest in the possibility of connecting the injection moulding machine via a WLAN-stick wirelessly to the internet with a simple hotspot via an internet-compatible mobile phone. Alternatively, the connection via the WLAN-stick can also be made into the existing company network. Once the connection is established, the BOY Customer Service can access the machine from Neustadt-Fernthal and support the user online.

With the "Moulding Assist" demonstrated at Fakuma 2021 for the first time, BOY is providing a Software that can be used to identify and eliminate injection moulding defects. The digital and adaptive assistant provides the user with constructive solutions directly at the injection moulding machine. The functions of the Moulding Assist are started via a webserver and are callable from any injection moulding machine with a network connection. After the installation of the Moulding Assist on the machine, the complete machine manual can be opened via the web browser and the helpful BOY-app with cooling time and clamping force calculations as well as tables with processing data for many plastics can also be used.

Two further premieres complemented BOY's trade fair appearance at the Friedrichshafen event:

- Electro-mechanical ejector (for BOY 50 E – BOY 125 E) with a function independent of the main drive of the injection moulding machine and high dynamics as well as exact path positioning with synchronisation of ejector and handling movement
- Cooling water distribution with electronic flow rate recording (optional: temperature display with process data monitoring). The set flow rate is digitally recorded, displayed on the machine display and monitored.

## More than just words...

A new operating option via voice input provoked a high demand potential among the visitors. Many asked for information on possibilities and advantages of a voice control of injection moulding machines. This could be demonstrated with a demo control on the BOY trade fair booth. With this acceptance test, the clever "BOYs" want to demonstrate further possibilities for digital assistance systems.

