

## **ENGEL performance.boost analytics combines data expertise with injection moulding know-how**

# **Mining information from data**

Schwertberg/Austria – October 2021

**As the degree of digitalisation increases in injection moulding processes, so does the volume of data. The data contains a great deal of information, but this is often not recognisable at first glance. With the new performance.boost analytics service, ENGEL helps its customers to mine information from the available data in order to use the information for process and production optimisation as well as troubleshooting.**

What does the data say about process stability? What are the causes of process variations and quality issues? And what data is relevant at the end of the day? – Data scientists are trained to answer these questions. However, in-house data experts may not always be available. Following the inclusion of the new "analytics" package in its performance.boost process optimisation service, ENGEL now offers this expertise as a service.

"We have specifically built up personnel resources for the new offering," as Dr. Johannes Kilian, Head of Process Technologies and inject 4.0 at ENGEL's headquarters in Schwertberg, Austria, reports. "Our data scientists have years of injection moulding experience on top of well-founded data analytics training. They understand the injection moulding machine and the processing technologies, and that is precisely the major advantage of performance.boost analytics over other service offerings on the market."

### **Hunting down rejects**

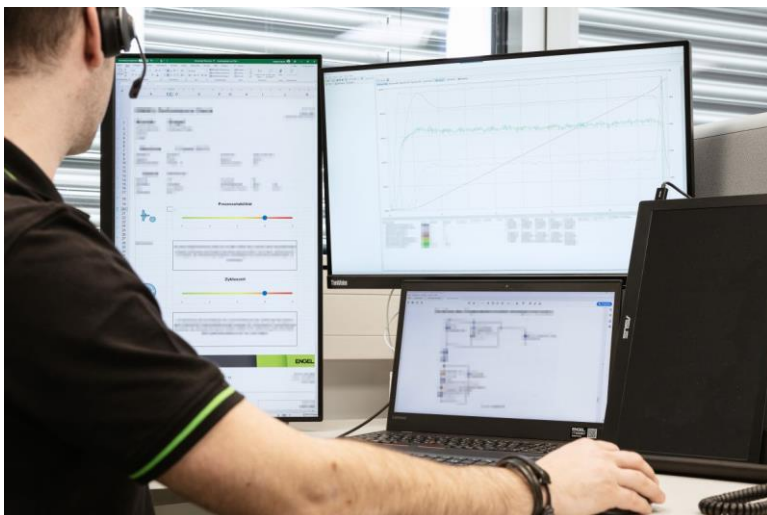
ENGEL's data scientists systematically analyse the available data for each specific application, visually process the results and develop concrete recommendations for action. For example, to increase production efficiency or reduce the reject rate.

**ENGEL**  
be the first

ENGEL AUSTRIA GmbH | A-4311 Schwertberg | tel: +43 (0)50 620 0 | fax: +43 (0)50 620 3009  
sales@engel.at | www.engelglobal.com

If rejects are identified too late and the root cause of the rejects is not found, data collected over a longer period of time is analysed. This is where data scientists are deployed in addition to processing engineers. Depending on the application and customer requirements, production and process data as well as data from quality assurance provide the raw data. The analysis allows insights into the root causes of rejects, reveals gradual quality changes and enables long-term trend statements. In doing so, the "analytics" service package goes one step further than the previously available performance.boost packages.

**ENGEL at Fakuma 2021: hall A5, stand 5204**



performance.boost analytics makes clear the connection between the analysed data and the part quality, and reveals actions that can be taken to achieve a consistently high quality. The data experts derive concrete recommendations for action from the results of the analysis.

Picture: ENGEL

## **ENGEL AUSTRIA GmbH**

ENGEL is one of the global leaders in the manufacture of plastics processing machines. Today, the ENGEL Group offers a full range of technology modules for plastics processing as a single source supplier: injection moulding machines for thermoplastics and elastomers together with automation, with individual components also being competitive and successful in the market. With nine production plants in Europe, North America and Asia (China and Korea), and subsidiaries and representatives in more than 85 countries, ENGEL offers its customers the excellent global support they need to compete and succeed with new technologies and leading-edge production systems.

### Contact for journalists:

Ute Panzer, Vice President Marketing and Communications, ENGEL AUSTRIA GmbH,  
Ludwig-Engel-Straße 1, A-4311 Schwertberg/Austria,  
Tel.: +43 (0)50/620-3800, Fax: -3009, E-mail: [ute.panzer@engel.at](mailto:ute.panzer@engel.at)

Susanne Zinckgraf, Manager Public Relations, ENGEL AUSTRIA GmbH,  
Ludwig-Engel-Strasse 1, A-4311 Schwertberg, Austria  
PR Office: Theodor-Heuss-Strasse 85, D-67435 Neustadt, Germany,  
tel.: +49 (0)6327 976 9902, fax: -03, e-mail: [susanne.zinckgraf@engel.at](mailto:susanne.zinckgraf@engel.at)

### Contact for readers:

ENGEL AUSTRIA GmbH, Ludwig-Engel-Strasse 1, A-4311 Schwertberg, Austria,  
Tel.: +43 (0)50 6200, fax: -3009, e-mail: [sales@engel.at](mailto:sales@engel.at)

### Legal notice:

The common names, trade names, product names and similar cited in this press release are protected by copyright. They may also include trademarks and be protected as such without being specifically highlighted.

[www.engelglobal.com](http://www.engelglobal.com)