

Media release

NPE 2018:

Kistler takes plastics processing to a new level with ComoNeo 2.1.0

Novi, February 15, 2018 – At NPE 2018 in Orlando, Florida (May 7 to 11), the Kistler Group will demonstrate a wide range of modular functionalities for ComoNeo: the process monitoring system that takes injection molding to a higher level with integrated quality monitoring geared to meet customers' needs and requirements.

Since its initial launch three years ago, the ComoNeo process monitoring and control system has continued to evolve. Injection molding experts now have a mature and flexible solution to monitor and optimize their processes. Based on the measurement of the cavity pressure, it is possible to significantly increase the efficiency of plastics processing, which means preventing the occurrence of rejects, increasing quality and reducing costs.

More and more, injection molding companies are confronted with new, complex tasks. Increasingly demanding requirements and functional integration in component design result in multi-component systems with complex process technology, for example in lightweight design for the automotive and aerospace industries. To support such applications, ComoNeo can also control multi-component and RTM processes as of version 2.1.0. Two or more processes, depending on the component, would traditionally have to be recorded and evaluated separately whereas with the ComoNeo 2.1.0 it is possible to monitor up to four components in various tool technologies.

Transparent processes guarantee quality and reduce costs

In addition to user-oriented visualization and the integrated assistance systems based on expert knowledge, ComoNeo now also offers a model-based prediction of component quality based on specified tolerance limits. The integrated software calculates the optimal process parameters and thus ensures higher quality, especially in demanding applications.

In addition to predicting the production quality, all collected data can be stored in the central ComoDataCenter database and are thus available for further analysis. ComoNeo also controls the transfer of proven tool configurations to other machines as well as the balancing of the hot runner in multi-cavity molds.

Dr. Robert Vaculik, Head of the Plastics Business Unit at Kistler, said: "The wide range of functionalities now integrated into ComoNeo enables our customers to tailor a multifunctional system to their specific application in a virtually modular fashion. This makes it possible to efficiently control the increased complexity in the injection molding process, resulting in higher quality and lower production costs. The potential of process-integrated quality monitoring is far from exhausted."

Kistler looks forward to seeing you at the NPE 2018 in Orlando from May 7-11, 2018 at booth W7145. For more information about ComoNeo, click on the following link:

www.kistler.com/comoneo

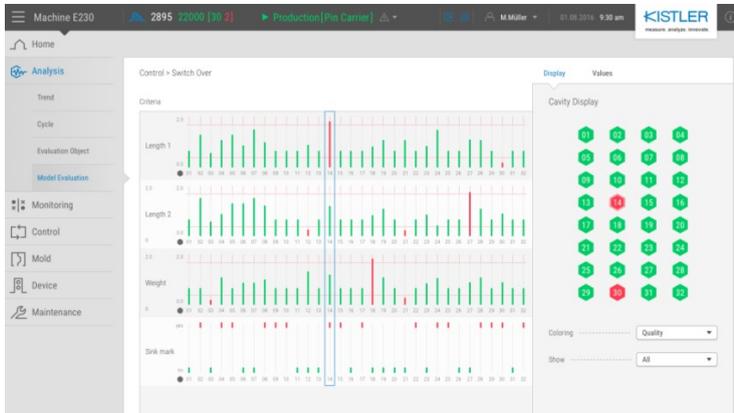


Illustration 1: Online quality prediction: high-end process monitoring – ComoNeo directly predicts the component characteristics and evaluates quality on the basis of measurement values from the process sequence.

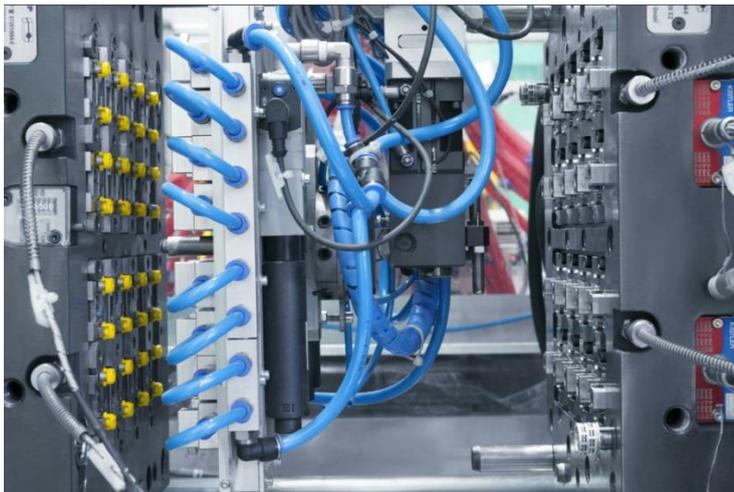


Illustration 2: Kistler's sensors and systems play a pivotal part in quality assurance and process optimization.



Illustration 3: ComoDataCenter is used to manage and analyze data for injection molding processes, and it allows networking of all ComoNeo and CoMo Injection systems.



Illustration 4: Thanks to process monitoring with sensor technology specially designed for the RTM process, users can identify defects during production so as to avoid further processing of faulty parts.

About the Kistler Group

Kistler is the global leader in dynamic measurement technology for measuring pressure, force, torque and acceleration. Cutting-edge technologies provide the basis for Kistler's modular solutions.

Customers in industry and science benefit from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure a sustainable competitive edge. The owner-managed Swiss company's unique sensor technology plays a key role in the evolution of automobile development and industrial automation, as well as in numerous emerging sectors. With a broad knowledge of applications and its absolute commitment to quality, Kistler is making an important contribution to the further development of current megatrends. This includes topics such as electrified drive technology, autonomous driving, emission reduction and Industry 4.0.

Some 1 860 employees at 61 locations worldwide are dedicated to developing new solutions and offer customized service for individual applications. Since its founding in 1959, the Kistler Group has grown along with its customers, generating sales of CHF 422 million in 2017. Approximately 8% of this went back into research and technology — and thus into achieving better results for all our customers.

Media contact:

Angela Venditti

Marketing Supervisor

Phone: +1 248 668 6824

E-Mail: angela.venditti@kistler.com

Kistler Gruppe

Eulachstrasse 22
8408 Winterthur
Schweiz

Tel. +41 52 224 11 11
Fax +41 52 224 14 14
info@kistler.com

ZKB Winterthur BC 732
Swift: ZKBKCHZZ80A
Konto: 1132-0374.628

IBAN: CH67 0070 0113 2003 7462 8
MwSt. Nr.: 229 713
ISO 9001 zertifiziert