

Media Release

K Trade Fair 2016:

Innovations from Kistler: Your Entry Ticket for Industry 4.0.

Winterthur, 7 September 2016 – At this year's K Trade Fair from 19 to 26 October in Düsseldorf, Kistler will be showcasing its latest new products and features with the focus on Industry 4.0. Networking of quality data becomes even easier thanks to the successor version of ComoNeo and the new features added to the ComoDataCenter. Other new products – such as the RTM sensor Type 4001, the pressure sensor Type 6185 (which is insensitive to its installation position) and the multichannel connector Type 1722– open up the way for extra process optimization so production can become even more efficient and cost-effective.

The Industry 4.0 vision has already emerged as a reality in the injection molding sector. The focus is on consistent digitization and networking of machinery and systems – leading to enhanced product quality and increased cost-efficiency. Kistler has staked out a clear objective for this year's K Trade Fair in Düsseldorf: to showcase its latest technological developments centering around networked production – innovations that are sure to capture the interest of representatives from the worlds of industry and business.

ComoNeo 2.0 and ComoDataCenter 3.1: How Networking Delivers Efficiency Gains

Successor versions for Kistler's established ComoNeo and ComoDataCenter system components will be premiered at the K Trade Fair: equipped with these innovations, market players will be in the best possible position to meet the requirements set by digital networking. The Restart Assistant is integrated into ComoNeo V2.0, making it possible for users to transfer established processes from one machine to another with no problems at all. To ensure identical quality reproduction in the new machine, this intelligent tool suggests which parameters need specific changes to ensure production with the same cavity pressure curve – i.e. with the same quality. This automated analysis with application-specific suggestions results in an extremely simple application on the spot – even for users with no previous subject-specific knowledge about cavity pressure.

The ComoDataCenter 3.1, also on show at the K Trade Fair, is enhanced with attractive new features that make it easier to network data and improve the traceability of part quality. For instance, the ComoDataCenter (CDC) is now available for ComoNeo as well. Thanks to this innovation, ComoNeo and CoMo Injection are linked via a common database. Another new feature: mold management is now integrated into the CDC. The mold settings can be stored centrally – so for ComoNeo as well as CoMo Injection, they can be transferred to other plants via the CDC. For existing customers, this also ensures compatibility between CoMo Injection and ComoNeo – guaranteeing that CoMo Injection users can change over gradually to ComoNeo. Networking of process monitoring systems means that all the production parameters can be stored centrally. When molds are changed, this data is easily accessed – so data handling becomes simpler and setup times are shortened.

RTM Sensor, Type 4001 Now for Use with High-Viscosity Resins Too!

Another product innovation linked to the same theme is also being unveiled: Kistler's new Type 4001 RTM sensor, which is suitable for all resins used in RTM processes (i.e. including high-viscosity resins as well). Specifically developed for cavity pressure and temperature measurements in the RTM process, this sensor features two analog outputs as well as a digital output. Rugged design and a long service lifetime make the 4001 ideal for use in industrial environments. This new sensor also allows efficient identification of the characteristic phases that occur during the RTM process. The benefits: targeted optimization of process parameters and cost-efficient production.

Multichannel Connector Type 1722: Simplified Handling

The multichannel connector with the new type number of 1722 will also be premiered at the K Trade Fair. It offers users multiple opportunities for optimization in one and the same product. The new connector allows more robust handling, with simpler connection of single-wire cables to ensure the best possible protection against contamination. Specified up to 120°C, this component is also 100% backwards compatible – so as regards installation and connections, the familiar four- and eight-channel design makes it identical to its predecessor.

Pressure Sensor Type 6185: Insensitive to Installation Position and Easy to Mount – with Enhanced Precision

Last but by no means least of the attractions on show at Kistler's stand is a new sensor that is insensitive to the position in which it is installed. Its type number is 6185. With a frontal diameter of only 2 mm, this sensor is ideal for use with extremely small components: a perfect addition to Kistler's existing portfolio of sensors. The design of the new sensor makes it impossible for mounting tolerances to falsify measurement results. This makes it easier for mold makers to carry out the mounting work, and it also allows greater precision in the injection molding process. The new sensor, available in coated and uncoated versions, can be equipped according to choice with a single wire cable or a conductive spacer sleeve – for a much simpler mounting bore.

Personalized Advice on Our Products – Register Now!

If you'd like to be briefed by Kistler on the latest developments in measurement technology, or if you're interested in specific options for Industry 4.0 applications in your own company, be sure to reserve the period from 19 to 26 October 2016 in your diary. If you'd like personalized advice on our products, you can follow this link to register: www.kistler.com/k2016.



Image 1

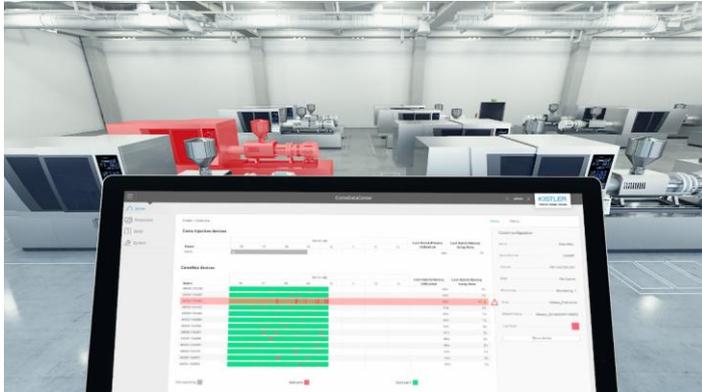


Image 2



Image 3



Image 4



Image 5

Captions

Image 1: **ComoNeo** is the process monitoring system when the objective is to maximize production efficiency in the injection molding process

Image 2: **ComoDataCenter** offers data management and analysis of injection molding processes and links all the ComoNeo and CoMo Injection Systems together

Image 3: **RTM Sensor Type 4001** now for use with high-viscosity resins too

Image 4: **Multichannel Connector Type 1722** allows more robust handling, with simpler connection of single-wire cables to ensure the best possible protection against contamination

Image 5: **Pressure Sensor Type 6185** is insensitive to installation position and easy to mount

About the Kistler Group

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

Customers in industry, research and development benefit from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure sustainable competitive edge. This owner-managed Swiss corporation plays a key part in the evolution of automobile production and industrial automation, and its innovative sensor technology also helps foster the development of many newly emerging sectors. Drawing on its extensive application expertise, and always with an absolute commitment to quality, Kistler drives innovations ahead in lightweight construction, vehicle safety, emission reduction and Industry 4.0.

Some 1,500 employees at 56 facilities across the globe are dedicated to the development of new measurement solutions, and they offer individual application-specific support at the local level. Ever since it was founded in 1959, the Kistler Group has grown hand-in-hand with its customers and in 2015, it posted sales of CHF 329 million. About 10% of this figure is reinvested in innovation and research – with the aim of delivering better results for every customer.

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