

Press Release

Process-reliable series production and cost efficiency

At Chinaplas 2015 Kistler will be presenting solutions for zero-defect production, process monitoring and data evaluation in injection molding

Shanghai, April 22, 2015 – At this year's Chinaplas from May 20-23, 2015 Kistler will be presenting sensors and systems for inspecting the quality of injection molding processes. Visitors can also be inspired by the newly developed CoMo DataCenter 2.0 (CDC), which offers diverse and sophisticated options for documenting and evaluating production data from the CoMo Injection System.

Integrated process monitoring for 100 % quality

Comprehensive process monitoring pursues clear goals: 100 % quality in series production, zero-defect production, and minimal manufacturing costs as a result. Sensors and systems by Kistler turn these objectives into reality. They measure and analyze the cavity pressure in injection molding, monitor the process and filter rejects out as soon as they occur. Integrating quality inspection into the actual injection molding process itself brings about considerable technical and economic advantages, such as cost reduction and time savings, for example. The costs of poor quality can be slashed thanks to products by Kistler.

Kistler offers customers a portfolio of sensors and systems for measuring and analyzing cavity pressure that has been developed over many decades. As a result, Kistler has just the right sensor technology for every kind of process. Using cavity pressure systems by Kistler facilitates comprehensive control of the injection molding process and helps achieve zero-defect production. The progressions of cavity pressure measured during production clearly represent the quality of the produced molded parts and can therefore be used for documentation purposes.

Customer-friendly and efficient

Kistler is continually developing its products. They become not only more efficient but are also much simpler to use thanks to technical innovations. One example is the miniature cavity pressure sensors with exchangeable cables. If the sensor cable is damaged during injection molding, it can now be replaced on-site by the user quickly and easily. This provides greater flexibility when using these sensors and saves costs in the procurement of spare parts. In addition to the Type 6183C pressure sensor with a 1-millimeter front, the Type 6182C with a 2.5-millimeter front is now also available with an exchangeable cable. The basic type of this sensor can also be mounted with a charge-bearing spacer sleeve perfectly fitting to the specific requirements of each individual injection molding tool. Here, the charge signal from the sensor is transmitted directly to a contact element in the tooling insert via the charge-bearing spacer sleeve without any need for a cable. This installation facilitates easy handling of the mold insert for maintenance and repair work. In addition, the design and manufacturing of the mounting bore is also simpler with the charge-bearing spacer sleeve, as the spacer sleeve is screwed into place at the sensor itself and therefore does not need to be attached separately to the mold insert.

Multi-machine data management and analysis

The newly developed CoMo DataCenter 2.0 (CDC) provides not only an overview of the status of each injection molding machine, but also the option for production monitoring and process analysis, also on mobile devices. CDC links all the user's CoMo Injection Systems, even across different production sites, seamlessly combining process- and quality-related production data for both live and completed orders in one database. This ensures unlimited comparability of data – and fulfills the growing customer demand for documentation and traceability of production data.

Kistler will be presenting its products for comprehensive monitoring of the injection molding process at Chinaplas in Guangzhou, May 20-23, 2015 at stand F53 in hall 9.2.

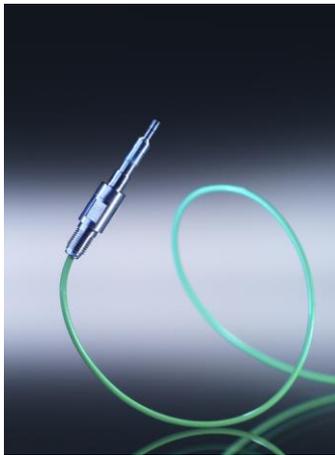


Image 1

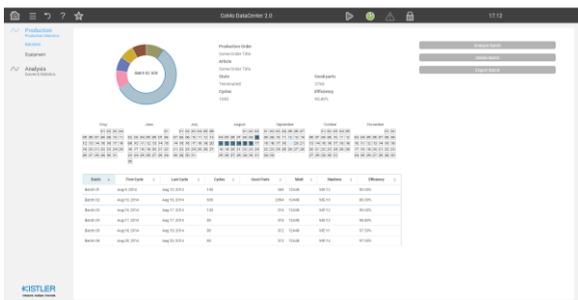


Image 2

Captions

Image 1: If the cable of the cavity pressure sensor Type 6183C is damaged, it can be replaced on-site by the user quickly and easily.

Image 2: CoMo DataCenter 2.0 links all the user's CoMo Injection Systems, even across different facilities, seamlessly combining process- and quality-related production data for both live and completed orders in one database.

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About the Kistler Group

Headquartered in Switzerland, the Kistler Group is one of the world's leading providers of dynamic technology for measuring pressure, force, torque, and acceleration. Kistler technology is used to analyze physical processes, control industrial processes, and optimize product quality.

Kistler offers a comprehensive range of sensors, electronics, and systems for engine development, automotive engineering, plastics processing, metalworking, assembly engineering, and biomechanics.

The Group is internationally represented thanks to its 26 sales and production companies, tech centers on every continent, and more than 30 agencies. This allows customers to benefit from local contacts as well as application support tailored to their needs.

The Kistler Group employs 1,350 people and, in the 2014 financial year, achieved sales of CHF 319 million.