

Press release

Kistler at MedtecLIVE 2019:

dependable process monitoring for medical technology production – from test planning through to series manufacture

Winterthur, 24 April 2019

The [Kistler Group](#) will showcase process monitoring systems and sensors for production and quality testing of medical devices at the 2019 edition of the medical technology trade fair in Nuremberg from 21 to 23 May. Visitors to stand 9223 in hall 9 can see how this solution provider combines high-caliber measurement technology with services specifically designed to meet international standards and guidelines for medical device production and testing. On top Kistler will share their knowledge about “Inline Process Monitoring in Medical Product Manufacturing” during the MedTech Summit.

The strict requirements for medical technology production have now become even more demanding, so end-to-end transparency is increasingly seen as a critical competitive advantage. Piezoelectric sensors and process monitoring systems from Kistler ensure 100% transparency – not only in the injection molding process, but also in process monitoring for general purposes. In addition, systems and services from the measurement technology expert offer one particular advantage that is highly relevant for the medical technology industry: end-to-end documentation of all critical process and quality parameters. Thanks to Kistler's offering, medical device manufacturers can benefit from greater reliability coupled with increased efficiency in their process monitoring and quality testing.

Intelligent injection molding production for faultless medical technology products

Cavity pressure is especially relevant as a direct criterion for assessing part quality – and this is exactly why Kistler's [ComoNeo monitoring and control system](#) focuses on this key variable. ComoNeo can monitor cavity pressure and machine parameters while the injection molding process is taking place. The measurement data ensures 100% transparency, thus guaranteeing the reliability of the injection molding process. Kistler's solution starts back in the test planning phase – well before the process monitoring operation as such. The integrated DoE interface in the ComoNeoPREDICT feature makes easy work of determining process limits, and the measurement data already ensures 100% certainty during the qualification phase. Another benefit: Kistler's process monitoring system boosts the efficiency of medical device production. Thanks to the

prediction model generated with the Stasa QC test planning software, customers can evaluate part-specific attributes directly during the injection molding process.

Inline measurement: the key to maintaining competitive edge

Inline measurement is an increasingly critical competitive advantage not only in the plastics industry, but also in numerous other sectors. The volume of documentation required for process monitoring is growing because of changes to standards. In response to this challenge, Kistler will present the [maXYmos monitoring system](#) for end-to-end process monitoring at MedtecLIVE. The sensor data obtained from this system can be used again for release and documentation processes. This makes it considerably easier to prove process stability with maXYmos, and risks are minimized because 100% testing is already performed during the production process. Reduced outlay on qualification and validation opens the way to increased efficiency and shorter times-to-market – a key benefit in sectors such as medical device production where time is of the essence.

A reliable partner for quality management

Kistler provides unique services to support users throughout the various phases of the qualification process – inline calibration at customers' premises, specifically tailored to European and international standards, is just one example. The results: downtimes are reduced, and risks such as process changes or recertification obligations are averted. In challenging and highly regulated sectors such as medical technology, 100% certainty and reliability represent essential added value. Kistler delivers this added value to users in two ways: through solutions that offer high levels of measurement accuracy, and through its expertise on medical technology standards. And to support its products, Kistler offers services that relieve users of as much pressure as possible by reducing the effort and expense of qualification processes.

Standard-compliant process monitoring

Stephan Vogel, Business Development Manager for Production Monitoring, and Florian Pichl, Business Development Manager Plastics, will share their expertise on [FDA- and DIN ISO-compliant process monitoring in the manufacture of medical devices](#). Their presentation will take place as part of the MedTech Summit 2019 on **23 May, from 1:30 to 2:00 p.m. in the "Brüssel 1" hall, NCC "Mitte" building.**

Image material (please name the Kistler Group as picture source)



Efficient, reliable injection molding production: ComoNeo monitors cavity pressure and ensures transparency and reliability – starting in the qualification phase



Less effort and expense, but greater reliability and efficiency: inline measurement with maXYmos makes standard-compliant production easier, so times-to-market are shorter



Innovative production: for medical products such as insulin pens, Kistler's technology serves multiple purposes at the same time. maXYmos measures the force of the spring integrated in the pen, while ComoNeo tests the plastic elements of the product during the injection molding process

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About the Kistler Group

Kistler is the global market leader for dynamic pressure, force, torque and acceleration measurement technology. Cutting-edge technologies provide the basis for Kistler's modular solutions. Customers in industry and scientific research benefit from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure sustainable competitive edge. Unique sensor technology from this owner-managed Swiss corporation helps to shape future innovations not only in automotive development and industrial automation but also in many newly emerging sectors. Drawing on our extensive application expertise, and always with an absolute commitment to quality, Kistler plays a key part in the ongoing development of the latest megatrends. The focus is on issues such as electrified drive technology, autonomous driving, emission reduction and Industry 4.0. Some 2 200 employees at more than 60 facilities across the globe are dedicated to the development of new solutions, and they offer application-specific services at the local level. Ever since it was founded in 1959, the Kistler Group has grown hand-in-hand with its customers and in 2018, it posted sales of CHF 475 million. About 8% of this figure is reinvested in research and technology – with the aim of delivering better results for every customer.