

## Media release

**Kistler at Control 2018**

### **Nothing escapes sharpened senses**

**Stuttgart, 24 April 2018 – The Kistler Group will showcase its expanded portfolio of industrial test and inspection systems for quality assurance at the 2018 Control trade show. There will be a special focus on automatic testing and sorting machines from Vester.**

Quality assurance is a critical success factor in every industrial manufacturing process. Parts, sub-assemblies and components must be produced as planned: this requirement has to be guaranteed so that industrial enterprises can meet their customers' expectations. What's more, this goal must be achieved economically – which means efficiently in terms of costs and resources. The ultimate objective is a zero-defect culture, and the best way to achieve this is with process monitoring systems.

#### **Automated testing for series, continuous, punched and hybrid parts**

Vester Elektronik GmbH, which recently joined the Kistler Group, will have its own stand in hall 6 at Control 2018 where it will exhibit three of its highly integrated automatic testing and sorting machines for punching and forming technology. High-performance image processing systems enable users to perform fully automated dimensional and surface tests with the additional options of gaging and hardness tests. The digital camera technology deployed for this purpose ensures 100% testing of mass-produced parts with very high throughput rates.

The **Videocheck VVC-120** automatic testing and sorting machine ensures that mass-produced parts are fed into inclined quick-change test and transport rails, with positional stability maintained during handling. Telecentric illumination components and high-precision lenses guarantee efficient optical testing and high throughput rates. This fully encased, noise-damped automatic machine is operated via a 24-inch touchscreen; up to four cameras with different resolutions can be integrated for throughput of up to 250 parts per minute.

**Videocheck VVC-620** is a test cell for parts manufactured continuously using processes such as punching and stamping, lamination and injection molding in particular. Various applications will be demonstrated on Vester's stand, including classical dimensional inspection, complete contour tracing and detection of surface defects. Users have a variety of test options at their disposal, and they themselves can define what should happen in case of an error: choices range from halting production to separating or marking bad parts.

**Videocheck systems 821/C and 821/E** were designed specifically for complex dimensional and surface inspections of mass-produced parts and they are equipped with a rotary plate with up to eight cameras. Depending on size and weight, parts for testing are fed in via an integrated (821/C) or separate (821/E) feeder system. In addition, blower nozzles ensure automatic sorting of good and bad parts including ejection control via light barrier.

Frank Kirgis, Head of Division Industrial Process Control (IPC) at Kistler, sums up the importance of the Vester acquisition for Kistler: "Thanks to Vester, industrial image processing has now been added to the Kistler Group's wide-ranging know-how. We are taking advantage of this opportunity to set up a *Vision Center* in Karlsruhe that will continue developing the related technologies. This means that more innovations in the industrial process monitoring segment can be expected from us in the future."

**Come and see us!**

Experience the products and services offered by Vester – a Kistler Group Company – on stand 6413 in hall 6 at the fair in Stuttgart from 24 to 27 April 2018. A warm welcome awaits you!



Figure 1

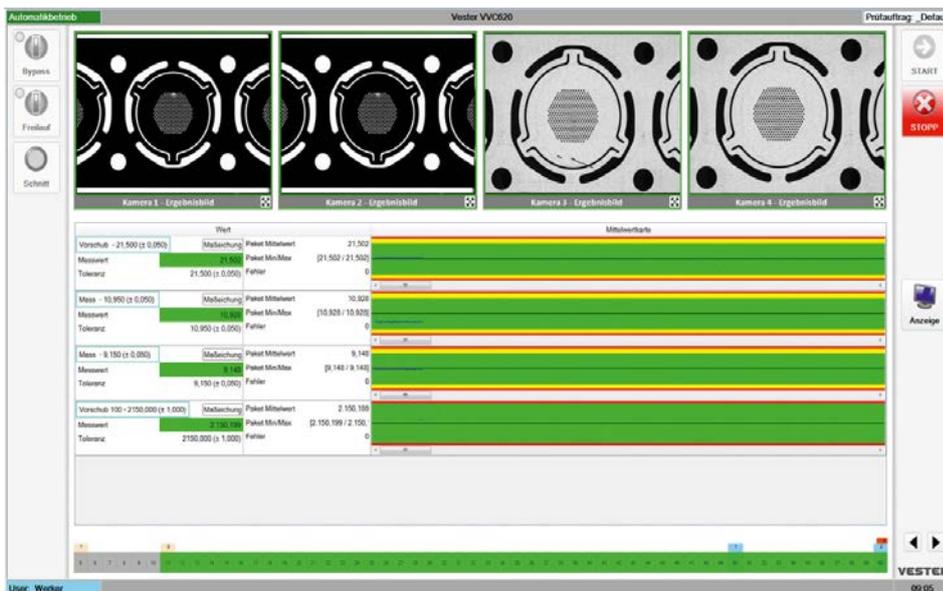


Figure 2



**Figure 3**

#### **Captions**

**Figure 1:** VVC 120: interior view – test chamber with inclined plane and integrated feed

**Figure 2:** VVC 620: process display in test operating mode – test images and display of measured values

**Figure 3:** VVC 821: interior view of rotary plate with ejection control

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#### **About the Kistler Group**

Kistler is the global 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 1 860 employees at 61 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 2017, it posted sales of CHF 422 million. About 8% of this figure is reinvested in research and technology – with the aim of delivering better results for every customer.