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Press information

Solutions 4. future: MITUTOYO at the quality management trade fair CONTROL in Stuttgart

Quality assurance is at the very fore in every branch. For more than 80 years MITUTOYO has been offering highly accurate and innovative measuring devices and outstanding custom solutions for the quality assurance of all industries. A visit to the MITUTOYO booth at the CONTROL fair grants fascinating insights into ultra-modern dimensional measuring.

Neuss, March 2017. The world's leading trade fair for quality management CONTROL in Stuttgart (May 9-12, 2017) is of great significance for all manufacturing branches that require reliable quality assurance.

Investment into quality assurance measures means investing into the company's success – and as a consequence – the company's future. This reflects in the MITUTOYO motto for CONTROL: "Solutions 4. future". As one of the leading manufacturers of precision measuring instruments will display their portfolio of top-quality measuring devices in hall 7, number 7401, from precision calipers to high-end vision measuring systems, form and surface roughness testers as well as state-of-the-art CNC coordinate measuring machines and in-line applications.

It goes without saying that the Japanese metrology specialists display a great number of new products at the world-leading fair. The latest novelty is the cantilever-type CNC 3D coordinate measuring machine MiSTAR 555. The youngest CMM of the MITUTOYO portfolio is designed for production environments between 10 and 40°C and ideally combines automated measurement with flexibility, reliability and easy operation. A high drive speed and an excellent acceleration make for quick measuring.

Additionally, MITUTOYO launch an all-new laser scanner for coordinate measuring machines by name of SurfaceMeasure 201FS. As opposed to other types of the MITUTOYO SurfaceMeasure line-up, the SM201FS type adopts the highly advanced flying spot technology that makes for an outstanding accuracy.

The new form measuring instrument Formtracer Extreme SV-C4500CNC Hybrid Type 1 featuring three separate, exchangeable drive units boasts the functionality of three individual, fully CNC instruments, combined in a single system. It is equipped with a surface roughness detector, a contour detector and a confocal chromatic point sensor (CPS) employing axial chromatic aberration, thus offering contact and non-contact measuring opportunity.

The new-generation Rockwell hardness tester HR-500 offers a wealth of functionality and additional ease of use. The test force can be chosen up to 187,5 kg, with motorised and sensor-controlled application. Up to ten test procedures can be pre-configured and saved for ultra-quick execution by one touch of a button.

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The CONTROL fair also sees the revolutionary, new MITUTOYO TAG Lens boasting an incredible 70 kHz of variable frequency of focal length. It does not take a mechanical movement to control the focal distance. Piezo signals trigger the ultra-fast adaptations of focus. It offers a 40x larger distance of focus than standard lenses.

A new variant of the ground-breaking Quick Image vision measuring system featuring a motorised stage is introduced at the CONTROL show. The brand-new QIPAK 6.1 software incorporates a stitching function. For a workpieces larger than the field of view, several images are acquired while moving the stage. By stitching the images the software makes for a vastly enlarged area of inspection at the same resolution.

The new CNC roundform and cylindricity tester Roundtest RA-6000CNC is designed for measuring very large and heavy workpieces at high accuracy – a roundness/cylindricity measuring system developed to combine world-class accuracy with high maneuverability and analytical capability.

Mitutoyo have released a successor of their tried and tested dial test indicators. The accuracy specification of the new series is now compliant to the new ISO 9493, the latest standard in Europe. The new instruments boast even better usability and enhanced ruggedness for everyday use.

All those interested in sophisticated fixture systems can bring their workpieces to the booth and be convinced of the latest and most versatile Eco Fix system by the MITUTOYO subsidiary KOMEK.

MITUTOYO activities at CONTROL:

- **Media event:** MITUTOYO novelties (German language), journalists only
Tuesday, 2017-05-09, 4 p.m. - app. 4:30 p.m. at booth, free of charge
- **Media event:** MITUTOYO novelties (German language), journalists only
Wednesday, 2017-05-10, 1 p.m. - app. 1:30 p.m. at booth, free of charge
- **MiCAT Planner presentation:** Automatic measurement program generation for coordinate measuring machines. (German language) MITUTOYO booth, all fair days, regularly, free of charge
- **MeasurLink 8 presentation:** Worldwide access to quality data meets easy use of databases. (German language) MITUTOYO booth, all fair days, regularly, free of charge

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