

Renishaw introduces new multisensor probe for advanced portable arm CMMs



Renishaw plc is pleased to announce the launch of an innovative contact-sensing rigid probe that provides multisensor capability and exceptional performance for portable measurement arms.

Developed in collaboration with FARO Technologies Inc and exclusive to the new Quantum FaroArm, the FARO SENSOR incorporates ground breaking technology to provide hard probe, touch trigger and scanning capability.

The probe's unique sensing mechanism overcomes the need to press capture buttons and ensures that data is taken only when the stylus is in contact with the part, eliminating the need to remove erroneous data collected when a hard probe leaves the work-piece while measuring. The FARO SENSOR significantly reduces the complexity of the measuring process by minimising operator influence.

The new sensor, like all Renishaw probe ranges, has been designed to accommodate the widest range of measuring requirements, offering a range of styli that will enable accurate probing of intricate and hard to reach features. Another major benefit is the product's

robustness, built to withstand the rigours of day-to-day use in an industrial environment.

With a stated commitment to make its customers' products and processes the best in the world, FARO technologies Inc is offering a choice of two Renishaw probes as standard fitment to the Quantum FaroArm, its most advanced portable arm CMM.

When scanning is not required, the optional sensor for the arm is Renishaw's TP20 touch-trigger probe, a compact module changing probe which allows the use of a range of stylus configurations and extensions to access features on complex parts.

The TP20 allows fast stylus changing without requalification potentially saving hours of inspection time every week, as the stylus module changing takes just a few seconds.

The probe also provides excellent visibility and clearance around the stylus tip, making complex part measurement easier. Combined with superior touch-trigger metrology the TP20 provides exceptional all round performance.

About Renishaw

For over 30 years Renishaw, one of the world's leading metrology companies, has supplied products to manufacturing companies worldwide, all designed to increase productivity and improve product quality in a competitive manufacturing environment.

The company has a wide product range and a customer base across a broad spectrum of different industry sectors. Renishaw was best known for its probe systems for co-ordinate measuring machines (CMMs) and CNC machine tools, supplying many engineering companies in the sectors of aerospace, automotive and precision piece-part manufacture. However the company has successfully diversified into other product areas, such as encoder systems for position feedback, dental CAD/CAM systems, laser calibration products for machine performance control, and Raman microscopes for spectral analysis of materials. More information at www.renishaw.com.

About FARO

With more than 14,600 installations and 7,000 customers globally, FARO Technologies, Inc. designs, develops, and markets portable, computerized measurement devices and software used to create digital models – or to perform evaluations against an existing model – for anything requiring highly detailed 3-D measurements, including part and assembly inspection, factory planning and asset documentation, as well as specialized applications ranging from surveying, recreating accident sites and crime scenes to digitally preserving historical sites.

FARO's technology increases productivity by dramatically reducing the amount of on-site measuring time, and the various industry-specific software packages enable users to process and present their results quickly and more effectively.

Principal products include the world's best-selling portable measurement arm – the FaroArm; the world's best-selling laser tracker – the FARO Laser Tracker; the FARO Laser ScanArm; FARO Laser Scanner LS; the FARO Gage, Gage-PLUS and PowerGAGE; and the CAM2 family of advanced CAD-based measurement and reporting software. FARO Technologies is ISO-9001 certified and ISO-17025 laboratory registered. Learn more at www.faro.com