

Exhibition Information for publication

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FIRST SHOWING IN THE UK AT MACH2020.

As the global leaders in the manufacture and supply of Optical3D metrology products the Bruker Alicona booth 18-500 will be of interest to all visitors to the show.

The booth will feature a selection of the products from our range of optical metrology solutions that have become the de facto products for use in both tool measurement and the measurement of engineered surfaces. All instruments allow the measurement of edge preparation and surface finish.

The featured product, ***shown for the first time in the UK***, will be the μ CMM fitted with the pick and place automated loading system. The μ CMM has changed the face of measurement technology in industry and when combined with the 5-axis option and the automated loading system provides a unique solution to toolmakers throughout the world. It enables the automatic critical inspection of cutting tools including shaft tools, inserts and specialist tools.

The μ CMM is a floor standing measurement system that can be used in both a production environment and also in a measurement room, for those companies who do not have room for, or need such a large system there are other products on display that can accommodate those requirements.

The first of these is our G5 system fitted with the Advanced Real3D rotation device providing five axis movement. This instrument allows the full geometrical measurement of tools in a compact bench mounted system that does not require any special environment, it is bench mounted and will operate effectively in a workshop environment. It can be used both in production and also in a research and development environment.

To complete the comprehensive line up at the show there will be on display the InfiniteFocus SL system. InfiniteFocusSL is a cost efficient optical 3D measurement system for easy, fast and traceable measurement of form and finish on micro structured surfaces. Users measure both form and roughness of components with only one system. In addition, color images with high contrast and depth of focus are achieved. The long working distance of up to 33mm in combination with its measurement field of 50mm x 50mm allows a wide range of applications. Measurements are achieved in seconds and features, such as a coaxial laser for quick and easy focusing, further increase usability. With an automation interface, InfiniteFocusSL is also applied for fully automatic measurement in production.

All products work on the well established FocusVariation principle providing dense point based data in addition to full colour images. This data can be compared against CAD data to verify production methods and also used to effectively measure wear on tools.



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