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Press information

Precise measuring by just one mouse click: the MITUTOYO Quick Image 2D vision systems

Fast, repeatable and highly accurate non-contact measurements are now available for shop-floor use without the necessity of highly skilled technicians. With the Quick Image 2D vision measurement systems and the QIPAK v5 software measurements can be conducted with just one push of a button.

Neuss, March 2016. With the Quick Image series, Mitutoyo has released not just a new generation of the well-proven vision measuring system, but also launched a ground-breakingly easy way of measurement. With the new QIPAK v5 software that comes as a standard with the latest generation Quick Image 2D vision systems, it takes just a single click of a button to trigger automatic recognition of the part on the work stage, aligning and measurement of all features within the field of view. Thus, it doesn't take special metrology training for the staff to operate the system. Therefore, the new Quick Image 2D vision system saves enormous amounts of time and – as a consequence – money.

The Quick Image measuring system offers the same ease of use as a profile projector but with an abundance of functionality. One or more parts, which fit in the large field of view of the Quick Image, can be measured accurately and repeatably within seconds. The green or red colour OK or NG indication helps the user to judge whether or not the part meets the specification at the blink of an eye. A graphical instruction quickly and intuitively guides the user through the measurement process as well as the generation of the part program.

Boasting a unique double telecentric optical system with an enlargement factor of 0.2, Quick Image offers a comfortable 22 mm depth of focus. Stepped or cylindrical workpieces can be completely measured without the need for re-focusing. The light sources comprise a green transmitted light as well as a LED coaxial light and a segmented programmable LED ring light. The Quick Image's manually-operated XY stage is available in 5 measuring ranges, which allow the measurement of large workpieces up to 400 x 200 mm. Supported by a graphical navigation, the XY stage can easily be moved to the pre-programmed measurement positions. For measurement of single workpieces, QIPAK v5 also offers all necessary measurement functions. Clear icons and a well-arranged interface make the usage of the software very easy and intuitive.

The MITUTOYO Quick Image 2D vision measuring machines with intuitive "1 shot" software QIPAK v5 save time and money and take shop floor measurement efficiency to the next level.