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Mitutoyo QI-2017/3017 Series vision systems measure multi-level features simultaneously

(Aurora, IL) New QUICK IMAGE® QI-2017RL and QI-3017RL Series 2-D vision measuring systems from Mitutoyo America Corporation employ a bilateral telecentric lens train capable of focusing on multiple surface levels at the same time. The result is reduced focusing effort, translating into error suppression and increased speed for higher measuring throughput.

With its extremely wide field of view (32mm x 24mm) and great depth of field, the Mitutoyo QI-2017/3017 systems can, in one view, completely capture images of workpieces with varying thickness and levels. These systems are able to simultaneously image features found on items such as tool edges, connectors, PCBs, cylinder forms and other solids with difficult level transitions which conventional vision systems find difficult to measure. Continual refocusing is unnecessary, sharply reducing measurement error and increasing productivity.

The QUICK IMAGE QI-2017/3017 high-precision, mega-pixel CCD color camera captures elevations and contours with great accuracy and clarity for viewing, inspection or analysis on a desktop PC or laptop.

Large XY travel ranges of 200x170 mm (QI-2017) and 300x170 mm (QI-3017), high maximum workpiece load and high-efficiency optics enable the QI-2017/3017 to be productive across a wide range of low- to high-volume inspection applications.

QI-2017/3017 comes standard with QIPAK® software enabling pattern matching inspection via a CAD user template. QIPAK makes it easy to

(more)

achieve repeatable, programmable measuring sequences, high evaluation speed and automatic report generation. With the optional MeasurLink[®] module, measurements can be subjected to multiple statistical analyses.

Mitutoyo America Corporation's nationwide network of Metrology Centers and support operations provide application, calibration, service, repair and educational programs for industry. This ensures that our 6,000+ metrology products will deliver measurement solutions for our customers throughout their lifetime. Contact Mitutoyo America Corporation, 965 Corporate Boulevard, Aurora, IL 60502. Phone: (630) 978-5385 Fax: (630) 820-7403
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