



Mitutoyo America Corporation

Mitutoyo Introduces Sensible Measurement for Everyone with the New Bold Compact QM-Fit Measurement System

Faster, Smaller, Smarter

For immediate release

AURORA, Ill. — Sept. 4, 2025 — [Mitutoyo America Corporation](#), the world leader in metrology instruments, introduces the [QM-Fit Smart Vision System](#). The QM-Fit represents a **BOLD** step forward in optical metrology. The system features a **wide field of view** that can intelligently recognize part geometry, allowing measurements to be initiated automatically by extracting shapes displayed on the 15.6-inch intuitive color touchscreen. By combining streamlined operation with advanced automation, the QM-Fit delivers precision measurements with unmatched simplicity.

[The QM-Fit](#) is an all-in-one measurement system which allows you to view more of your parts under the high-resolution 20-megapixel color camera, combined with a telecentric lens that provides accurate imaging. The QM-Fit has an integrated computer and touch screen that delivers fast, effortless results. **Automatic Element Detection** instantly identifies multiple features, by automatically recognizing a workpiece, determining its alignment, and performing measurement routines.

Superior accuracy backed by NIST traceability:

- Results can be displayed in mm, μm , inch and μinch
- Measurement accuracy $\pm 0.000394''$, $\pm 10 \mu\text{m}$
- Repeatability $2\sigma \leq 4 \mu\text{m}$
- Accuracy guaranteed temperature range: $20 \pm 1 \text{ }^\circ\text{C}$

Next level image quality and lighting captures every detail instantly:

- 20-megapixel Color CMOS camera
- Stage and 8 Quadrant Ring Illumination
- Operator selectable digital magnifications of 1, 2, 5, 10, 20, 50 and 100x
- Measurable range: 4.5" x 3.0" x 1.4", 115 x 75 x 36 mm

When accuracy matters, manufacturers turn to Mitutoyo for proven performance that drives quality forward. Contact your local [Mitutoyo](#) representative or [distributor](#) to schedule a [demo](#), consultation, or get a [quote](#).



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At [Mitutoyo](http://Mitutoyo.com), precision is our profession. We are the leader in metrology instruments, solutions and support, offering more than 5,500 products, the largest and most comprehensive product portfolio of any commercial metrology provider. Mitutoyo also has the highest-performing A2LA-accredited calibration laboratories (A2LA Certificate No. 0750.01) in the nation. For more information, contact the Mitutoyo inside sales team at mitutoyo.com/contact-us/

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