

2-D Color Vision Measuring System Quick Image Series



Mitutoyo Corporation
80th Anniversary
Since 1934

The ultimate in simple operation with one-click instant measurement



Vision Measuring Systems



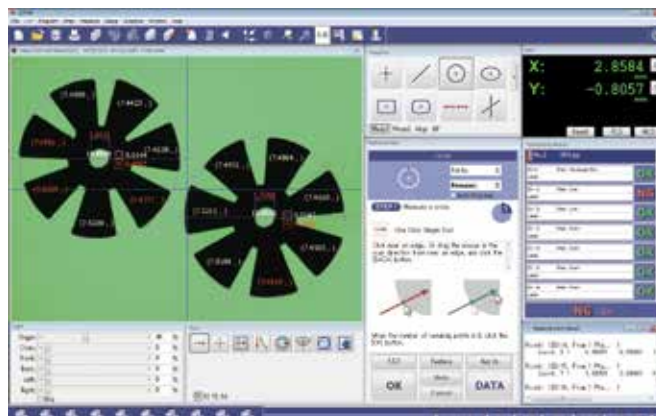
2-D Color Vision Measuring System Quick Image Series



FEATURES

- Measurement is performed with a single click after setting the workpiece in place.
- The telecentric optical system with its extreme focal depth needs no focusing even on a stepped workpiece.
- The measurement result and tolerancing screen is understandable at a glance. A quick GO/NG judgment of measurement results promotes the efficiency of your quality control system.
- An illustrated guidance tool provides instructions for carrying out measurement, making a manual unnecessary.

QIPAK Screen



SPECIFICATIONS

		QI-A		QI-B	
View field		32x24mm		12.8x9.6mm	
Measurement mode		Normal mode	High resolution mode	Normal mode	High resolution mode
Measuring range (X, Y axes)		QI lineup of 5 models with measuring ranges: 100x100mm, 200x100mm, 200x170mm, 300x170mm, 400x200mm			
Travel range (Z axis)		100mm			
Accuracy *	Measurement accuracy within the screen	±4μm	±2μm	±3μm	±1.5μm
	Repeatability within the screen (±2σ)	±2μm	±1μm	±1μm	±0.7μm
	Measurement accuracy (U1xy)	±(3.5+0.02L) μm, L: arbitrary measuring length (mm)			
Imaging device		3 megapixel, 1/2", color-compatible			
Optical system	Magnification (Telecentric Optical System)	0.2X		0.5X	
	Working distance	90mm			
	Depth of focus	±11mm	±0.6mm	±1.8mm	±0.6mm
Illumination		Transmitted light: Green LED telecentric illumination; Co-axial Light: White LED; Ring light: quadrant white LED			
Accuracy guaranteed temperature		20±1°C			

* Inspected to Mitutoyo standard.

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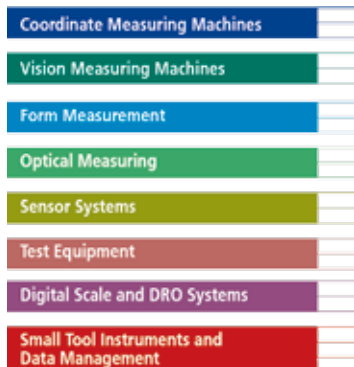
Mitutoyo Canada Inc.

2121 Meadowvale Blvd.
Mississauga, ON L5N 5N1
Tel. (905) 821-1261

7075 Place Robert-Joncas, Suite 129
Montréal, QC H4M 2Z2
Tél. 514-337-5994

www.mitutoyo.ca
info@mitutoyo.ca

Mitutoyo Quality



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