

Mitutoyo



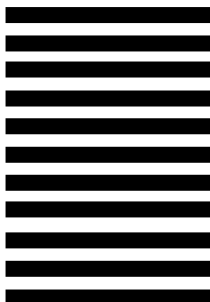
Is Your Roundness Tester Giving You Straight Answers?

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Mitutoyo America Corporation
945 Corporate Blvd
Aurora, IL 60504



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**For the Straight
Answers –**

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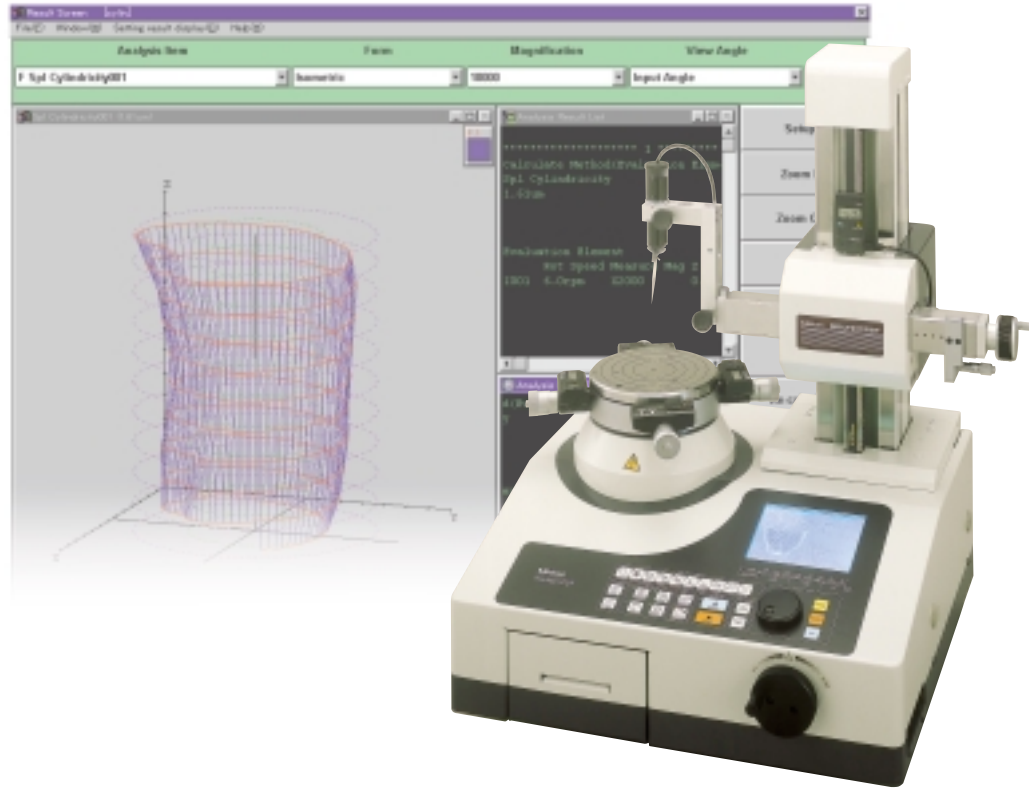
Roundness and Cylindricity Measurement In One Instrument

Mitutoyo

RA-214D

Precision Vertical Column Provides Excellent Roundness and Cylindricity Measurements

In addition to the basic roundness analysis, the RA-214D with a precision vertical column provides high accuracy cylindricity evaluation. It means that the RA-214D is the best choice for measuring small parts which require severe fitting tolerance or high hermeticity. It's the straight answer to your cylindricity question!



Technical Data

Turntable	Rotation accuracy (JIS B7451):	Radial (0.07+6H/10000) μ m, H: Measuring height (mm) Axial (0.07+6R/10000) μ m, R: Distance from rotation center (mm)
	Maximum workpiece diameter:	ϕ 100mm
	Maximum workpiece load:	10kg
Vertical column	Travel range:	150mm
	Straightness of column:	0.2 μ m/20mm (0.5 μ m/100mm)
	Parallelism of column:	0.5 μ m/100mm
Detector	Measuring force:	10 to 30mN
	Measuring range:	\pm 300 μ m
Data analysis	Cutoff filters:	Low-pass 15 μ r, 50 μ r, 150 μ r, 500 μ r Band-pass 15-150 μ r, 15-500 μ r, 50-500 μ r
	Reference circles:	LSC, MZC, MIC, MCC
	Analysis items	Roundness, Cylindricity, Co-axiality, Concentricity, Circular runout, Squareness

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