

CNC Contour and Surface Roughness Measuring Instrument
FORMTRACE EXTREME
CS-H5000CNC
continuous top-bottom measurement system



Opening up a new stage in top and bottom surface measurement

Form Measurement



Catalog No. E15023

Mitutoyo



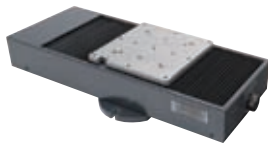
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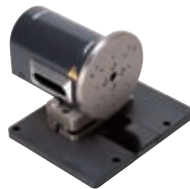
FEATURES

- Enables continuous measurement of top and bottom surface roughness, while also allowing form measurement, such as product thickness variation.
- 300mm column axis measuring range. Contour measurement using the column axis is possible.
- Various optional axis units can be affixed to improve measuring efficiency, for example with automatic leveling and horizontal alignment of measuring surfaces.

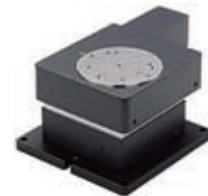
Optional Accessories for Automatic Measurement



Y-axis Table



Rotary Table Ø2-axis Unit



Small type Ø1-axis table
with 3D & Auto Levering Table

SPECIFICATIONS

Measuring range / Resolution	X axis	200mm/0.00625µm
	Z1 axis	Standard stylus: 12mm/0.001µm, 2xlong stylus: 24mm/0.002µm
	Z2 axis	500mm/0.05µm
Indication Accuracy (20°C)	X axis	± (0.16+0.001L) µm L: Measuring length (mm)
	Z1 axis	± (0.07+ 0.02H) µm H: Measurement height from the horizontal position (mm)
	Z2 axis	± (1.5+10H/1000) µm H: Z2-axis measurement height (mm)
Measuring force	Standard stylus: 4mN constant, 2xlong stylus: 0.75mN constant	
Drive speed	X axis: Max 40 mm/s, Z2 axis: Max 200 mm/s	

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