

3D roughness system expansion option

SURFCOM-3DF

Performs a wide variety of 3D solid analysis of intricate surface profile.

Surface roughness analysis by tracing faces instead of lines.

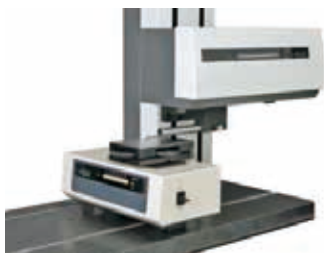
Surface Texture Measuring Instruments

Selection of hardware and software

Selection of hardware

Workpiece movement type

Workpiece movement type acclaimed for high accuracy



Specifications

Applicable model		NEX/2000/1500/1900/1910/2900/2800/1800/1400/5000
Fixed pitch tracing driver	Measuring range (Y-axis)	50 mm
	Minimum feed pitch	0.001 mm
	Number of feeds	2 to 2000 times
	Straightness accuracy	0.05 + 3L/1000 μm
	Max. loading weight	5 kg

Detector movement type (patent pending)

Eliminates the need to move workpiece with a small Y-axis drive (Y driver) installed under the X-axis drive. Allows 3D roughness analysis of large/heavy workpieces



Specifications

Applicable model		NEX/2000/1500/1900/1910/2900
Compact Y-axis tracing driver (Y-driver)	Measuring range (Y-axis)	13 mm
	Minimum feed pitch	0.001 mm
	Number of feeds	2 to 2000 times
	Straightness accuracy	1 μm/13 mm

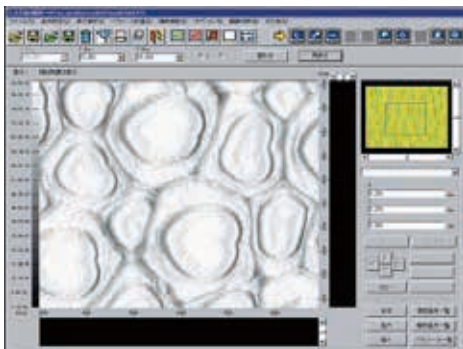
Control system

Selection of analysis software

Analysis system

ACCTee/TiMS software

Highly acclaimed roughness and contour integrated software. Able to perform continuous processing from measurement to online analysis.

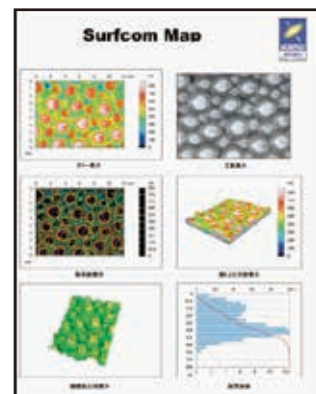


Sharkskin (contract display of oblique angle)

Please contact us for the detail of TiMS.

Surfcom Map software

Offline expansion of 3D roughness analysis. Versatile 3D Analysis, Simple Operation.



Example of Printed Analysis Result

*See page 48 for the details.