

3D Surface Texture Measuring Instruments >>>

Versatile 3D Analysis of Minute Surface Characteristics
 Surface texture analysis, from lines to plane! 3D Texture Analysis System

SURFCOM-3DF



Hardware and software selection



Hardware selection

Workpiece movement type

Workpiece movement type with proven accuracy



Specifications

Applicable Models		S5000DX/SD-3DF S3000A-DX/STD-3DF	S2900DX/SD-3DF, S2800E-3DF S1900DX/SD-3DF, S1800D-3DF S1500DX/SD-3DF, S1400D-3DF S2000DX/SD-3DF
Fixed pitch drive unit	Measuring range (Y-axis)	100mm	50mm
	Max. feed pitch	0.001mm	
	Feed cycles	2 to 2000 times	
	Straightness accuracy	0.05 + 3L/1000 μm	
	Max. load	10Kg	5kg

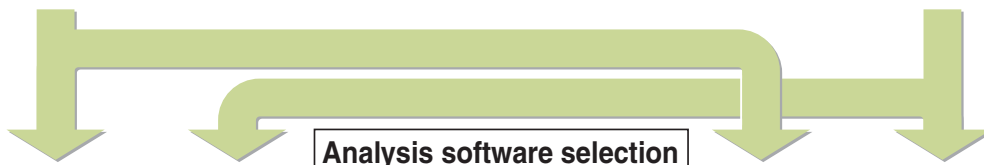
Detector movement type (patent pending)

A compact Y-axis drive unit (Y-driver) is located under the X-axis drive unit, eliminating the need for moving the workpiece. This makes it possible to perform 3D roughness analysis on large, heavy workpieces.



Specifications

Applicable Models		S1500DX-3DF S2000DX-3DF
Compact Y-axis drive unit (Y driver)	Measuring range (Y-axis)	13mm
	Max. feed pitch	0.001mm
	Feed cycles	2 to 2000 times
	Straightness accuracy	1 μm/13mm



Analysis software selection



TiMS Software

Proven integrated roughness and contour software
 Measuring → Enables continuous analysis online.

Surfcom Map Software

Expanded off-line 3D roughness analysis
 Versatile 3D analysis, simple operation