



# SURFCOM 1400G-LCD/PDP

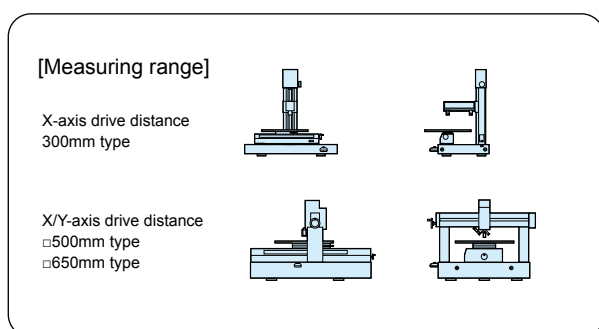
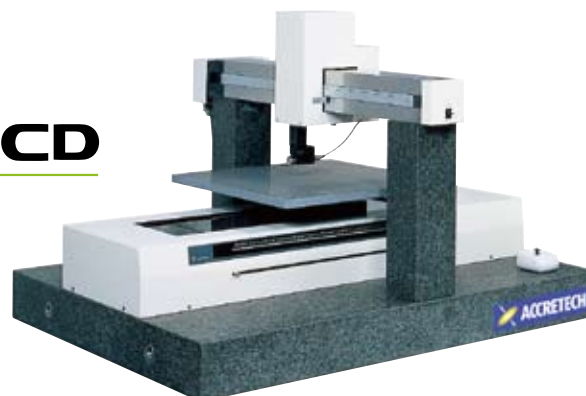
## LCD Glass Substrate Waviness Measuring Instrument

### SURFCOM 1400G-LCD

A lineup of different measuring ranges (300×250, □500, □650mm) to meet a wide range of needs.

Allows measuring of waviness, roughness, bowing, step profiles and other characteristics.

Uses SURFCOM 1400G computer for data processing unit.



Model	SURFCOM 1400G-LCD
Vertical measuring magnification	50 to 500,000* (arbitrary or auto)
Horizontal measuring magnification	1 to 20,000 (arbitrary or auto)
Measuring Force	0.75mN
Straightness accuracy	(0.05+1.5L/1000)μm
L: Measuring Length (mm)	
Parameters	Roughness: 36 types, Waviness: 24 types

\* : When high-magnification pickup is used

## PDP Profile Measuring Instrument

### SURFCOM 1400G-PDP

Dedicated instrument for optimal measurement of film deposition thickness on color PDP front substrates and rib height on the back substrates.

Motor driven X/Y Motor driven tracing driver itself (900 mm in the X-direction, 1300 mm in the Y-direction), measurements can be performed within this movement range.

Uses SURFCOM 1400D computer for data processing unit.



Model	SURFCOM 1400G-PDP
X-Y movement range	X=900mm (motor drive), Y=1300mm (motor drive)
X-Y movement speed	Max. 100mm/s
Measuring height	50mm Z-axis stroke (manual)
Drive unit title angle	±5° (manual)
Roughness measuring range	100 mm X-axis direction
Straightness accuracy	(0.05 + 1.5L/1000) μm L: Measuring Length (mm)
Vertical recording magnification	50 to 50,000 times* (arbitrary or auto)
Horizontal recording magnification	1 to 20,000 times (arbitrary or auto)
Measuring Force	0.75mN
Load	20kg or less
Power source	AC100V±10% or 3 phase AC200V, 50/60Hz (grounding required)
Dimensions (WxDxH)	2040 x 1420 x 1350mm Excluding Computer
Weight	Approx. 1,800kg

\* : When high-magnification pickup is used