

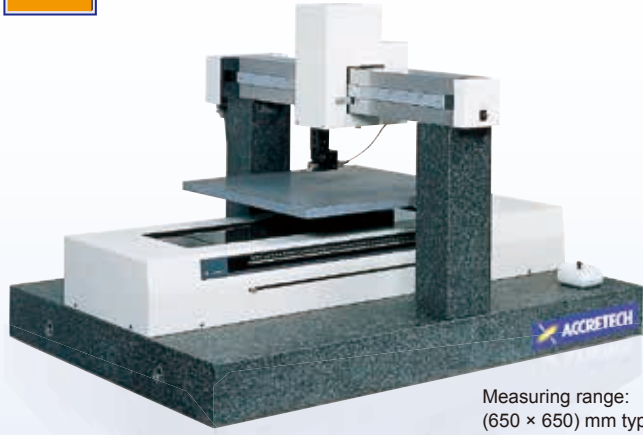
Standard series

# SURFCOM 1400G-LCD/PDP

Cross Feed Device for Surface texture & Contour Measuring Instrument



## LCD Glass Substrate Waviness Measuring Instrument



SURFCOM 1400G-LCD

Measuring range:  
(650 × 650) mm type



## PDP Profile Measuring Instrument



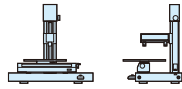
SURFCOM 1400G-PDP



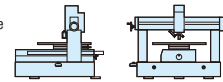
### SURFCOM 1400G-LCD

- A lineup of different measuring ranges (300 × 250) mm, (500 × 500) mm, (650 × 650) mm) 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.

X-axis drive distance  
300 mm type



X/Y-axis drive distance  
500 mm type  
650 mm type



### Specifications \* When high magnification pickup is used

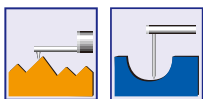
Model	SURFCOM 1400G-LCD
Vertical magnification display	50 to 500 k* (arbitrary or auto)
Horizontal magnification display	1 to 20 k (arbitrary or auto)
Measuring force	0.75 mN
Straightness accuracy	(0.05 + 1.5L/1000) μm (L: Measuring length mm)
Parameters	Roughness: 36 types, Waviness: 24 types

### 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-axis 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 1400G computer for data processing unit.

### Specifications \* When high magnification pickup is used

Model	SURFCOM 1400G-PDP
X-Y travel range	X=900 mm (motor drive), Y=1300 mm (motor drive)
X-Y travel speed	100 mm/s max.
Measuring height	50 mm Z-axis stroke (manual)
Tracing driver 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 k times* (arbitrary or auto)
Horizontal recording magnification	1 to 20 k times (arbitrary or auto)
Measuring force	0.75 mN
Load	20 kg or less
Power supply, frequency	AC100 V ±10% (grounding required), 50 Hz/60 Hz
Dimensions (W x D x H)	2040 mm x 1420 mm x 1350 mm (Excluding CPU)
Weight	Approx. 1800 kg



## Column Cross Feed Device

Photo shows connection with SURFCOM 1400G. (motor-driven X-axis)

\* Anti-vibration table is optional.



### Cross Feed Device for Surface Texture & Contour Measuring Instrument

- Enables measurement of heavy items like cylinder blocks and long items such as crankshafts.
- Ideal for automotive and instrument tool parts.
- Motor driven or manual type can be selected for the X-axis feed according to individual requirements.
- Long-lasting gabbro used for the measuring stand.

### Specifications

Model	Cross Feed Device for Surface Texture & Contour Measuring Instrument
Moving range	X-direction stroke: 660 mm
	Y-direction stroke: 200 mm
	Z-direction stroke: 250 mm, 450 mm, 650 mm selectable
Permissible loading weight	100 kg or less
Applicable models	SURFCOM 480B, 1400G, 1800G, 2800G CONTOURECORD 1600G, 2600G