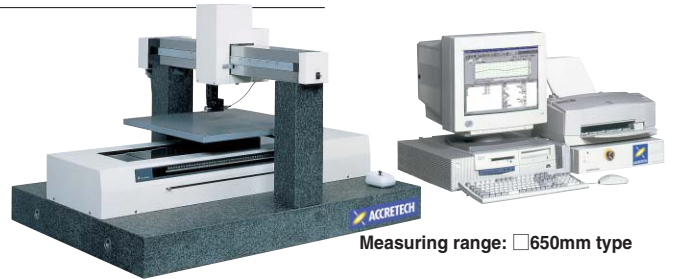


LCD Glass Substrate Waviness Measuring Instrument

SURFCOM 1400D-LCD

- Wide measuring range to effectively meet user needs: 300 × 250, □500, □650, □900, □1300mm.
- Capable of measuring swell, roughness, bowing, step profile and other characteristics.
- Uses SURFCOM 1400D computer for data processing unit.



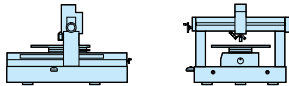
Measuring range: □650mm type

【 Measuring Range 】

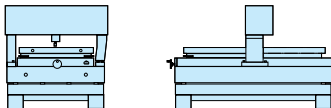
X axis drive distance
300mm type



X/Y axis drive distance
□500mm type
□600mm type



X/Y axis drive distance
□900mm type
□1300mm type



Specifications

Model	SURFCOM 1400D-LCD
Vertical measuring magnification	Set desired value or automatic: 50 – 500 K *
Horizontal measuring magnification	1 – 20 K
Measuring force:	Set desired value or automatic: 50 – 500 K *
Straightness accuracy	Set desired value or automatic: 1 – 20
L: Measuring length (mm)	4 mN or less Measuring range: 300, 600 & 650 types (0.05 + 1.5L / 1000) μm Measuring range: 900 type (0.1 + 1.5L / 1000) μm
Parameters	Measuring range: 1300 type (0.2 + 1.5L / 1000) μm Roughness: 36 types, Waviness: 24 types

* When high-magnification pickup is used.

Color PDP Profile Measuring Instrument

SURFCOM 1400D-PDP

- Dedicated instrument for optimal measurement of film deposition thickness on color PDP front substrates and rib height on back substrates.
- Motor driven X/Y Motor driven tracing driver itself (Range: 900 mm in X direction and 1300 mm in Y direction). Measurements can be performed within this movement range.
- Uses SURFCOM 1400D computer for data processing unit.



Data processing unit



Specifications

Model	SURFCOM 1400D-PDP
X-Y movement range	X= 900mm (motor driven), Y=1300mm (motor driven)
X-Y movement speed	Max. 100 mm/sec.
Measuring height	50 mm: Z axis stroke (manual)
Drive unit tilt angle	±5° (manual)
Roughness measuring range	100mm: X axis direction
Straightness accuracy	(0.05 + 1.5L / 1000) μm L: Measuring length (mm)
Vertical recording magnification	Set desired value or automatic: 50-50K *
Horizontal recording magnification	Set desired value or automatic: 1-20K *
Measuring force	0.7 mN
Load	20 kg or less
Power source	AC 100 V ±10%, 50/60 Hz
External dimensions	2040 (W) × 1420 (D) × 1350 (H) mm (excluding CPU)
Weight	Approx. 1800 kg

* When high-magnification pickup is used.