

# Column Cross Feed Device for Texture · Contour Measuring Instruments



Picture shows connection with SURFCOM 1400D (motor driven X axis)  
\* Anti-vibration table is optional.

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

## Specifications

Model	Column Cross Feed Device for Texture · Contour Measuring Instruments
Movement range	X direction stroke: 780 mm
	Y direction stroke: 50 mm
	Z direction stroke: Select 250, 450 or 650 mm
Allowable load	100 kg
Applicable models	SURFCOM 480A, 1400D, 1800D, 2800E CONTOURECORD 1600D, 2600E

## Applications

### ● CNC table

1. The standard measuring system (S1500, C1700, C2700, S1900, S2900, S2000 Series) can be automated by adding a CNC table unit.
2. CNC table control, and simplified teaching and playback can be performed from the TIMS integrated measuring software.
3. The Y-axis table and rotary table can be rearranged as needed in order to configure the system to suit the workpiece.



Example of Y-axis CNC table (100 mm) and  $\theta$ -axis CNC table (horizontal) combination

### ● Wafer Profile Measurement

CCD camera enables exact positioning.



Sample configuration with SURFCOM 1400D and CCD camera

## Specifications

Y-axis CNC table (100mm)		$\theta$ -axis CNC table (Horizontal)	
Travel	100mm	Travel	360°
Maximum travel speed	50mm/s	Travel speed	20°/sec
Positioning precision	20 $\mu$ m	Positioning precision	0.03°
Max. load	30kg	Max. load	15Kg
Weight	Approx. 19kg	Weight	Approx. 2.5kg
Y-axis CNC table (200mm)		$\theta$ -axis CNC table (Vertical)	
Travel	200mm	Travel	360°
Travel speed	50mm/s	Travel speed	20°/sec
Positioning precision	20 $\mu$ m	Positioning precision	0.03°
Max. load	30kg	Max. load	5kg
Weight	Approx. 22kg	Weight	Approx. 3.2kg



Y-axis CNC table (100mm)



Y-axis CNC table (200mm)



$\theta$ -axis CNC table (Vertical)

### ● Hard Disk Measurement

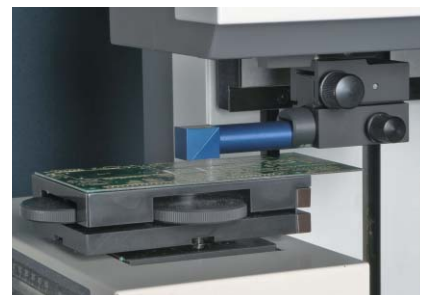
Dedicated software available for SURFCOM 480A.



Measurement of hard disk using SURFCOM 480A

### ● Non-Contact Measurement

The use of an optical pickup allows measurement of plastic, film, paper and other soft materials.



E-DT-SL-12B optical pickup