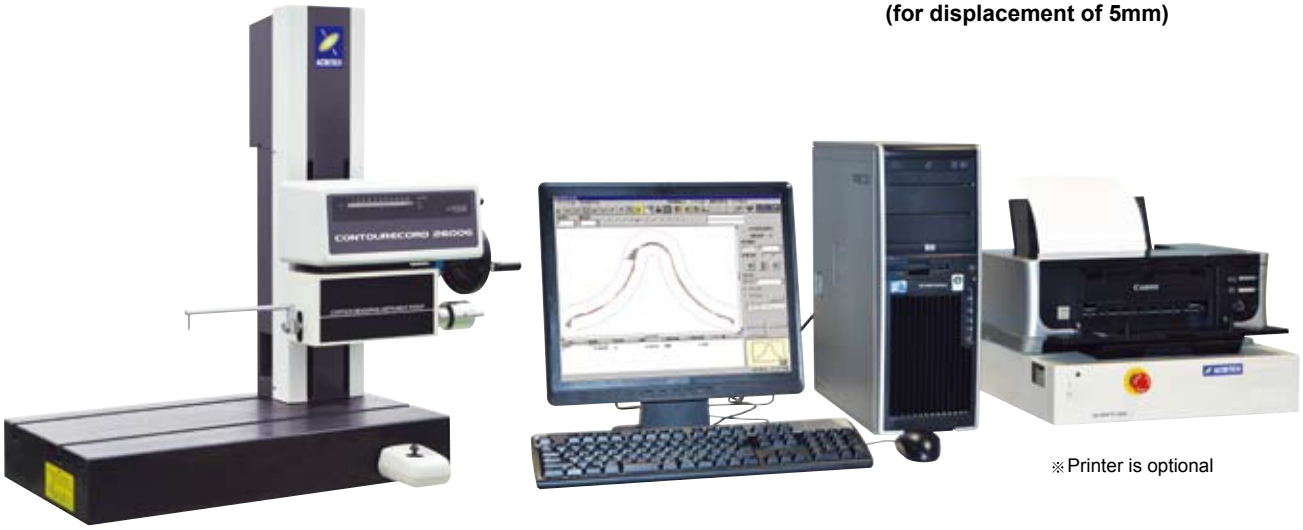
Contour Measuring Instrument

CONTOURECORD 2600G

High-Accuracy Contour Measurement 1μm or Less in Z-Direction

(for displacement of 5mm)



※Printer is optional

Auto Element Judgment (AI Function)

The 2600E automatically determines the type of element (point・line・circle).

Dimension Display Function

The actual measured values for parameters and geometric deviation can be displayed on the diagram.

Profile Synthesis Function

The limitations on the analysis range due to the angle of the stylus are addressed with the synthesis function.

Peak and Valley Function

This function enables the maximum workpiece point to be detected by tracing with the stylus, simplifying alignment.

Calculation Point Repeat Function

Overall workpiece analysis can be executed after completing only one pattern analysis for workpieces where certain shapes are repeated.

High Precision Contour Profile Evaluation

The 2600E is ideal for the evaluation of non-spherical lenses, optical fiber connectors, ball screws and other parts where high profile accuracy is required.

Host of Contour Evaluation Functions

A wide range of evaluation are provided. Standard functions include a measured data (point data)/design value deviation collation function, design value generation function, best fit function and IGES/DXF conversion function to facilitate mmunication with CAD systems.

Model			SURFCOM 2600G							
			-11	-12	-13	-14	-21	-22	-23	-24
Measuring Range		Z-axis (vertical)	50mm							
		X-axis (horizontal)	100mm				200mm			
Accuracy	Detectors	Z-axis indication accuracy (vertical)	±(0.8+|4H|/100)μm (H:Measuring length)							
		Measuring Resolution	0.025μm/Full range							
	Tracing driver	X-axis indication accuracy (horizontal)	±(1+2L/100)μm							
		Measuring Resolution	0.1μm							
Straightness accuracy			1μm/100mm				2μm/200mm			
Sensing method		X-axis (horizontal)	Moiré striped scale				Linear scale			
		Detectors	Laser optical diffraction scale							
Speed		Column up/down speed (Z-axis)	—	10mm/s (3mm/s) ＊1			—	10mm/s (3mm/s) ＊1		
		Speed (X-axis)	Measuring : 0.03, 0.06, 0.15, 0.3, 0.6, 1.5, 3, 6mm/s, 8 speeds							
Detectors		Stylus, Measuring Force	Changeable, 10~30mN, Retract function							
		Stylus radius (Stylus material)	25μmR(24°conical Tungsten Carbide), two equipped as standard							
		Measuring Direction, Orientation	Pull/push and Up/down directions							
Moving range		Pickup movement drive distance	100mm				200mm			
		Measuing height	250mm		450mm		250mm		450mm	
Stone table dimensions and weight		Dimensions	600X317mm			1000X450mm	600X317mm			1000X450mm
		Max. load ＊2	41kg	35kg	26kg	41kg	35kg	29kg	20kg	35kg
Dimensions and weight	Installation dimensions ★	Width	2000mm			2300mm	2000mm			2300mm
		Depth	1000mm				1000mm			
		Height	1700mm		1900mm		1700mm		1900mm	
		Weight	120kg	125kg	135kg	240kg	125kg	130kg	140kg	245kg
		Power source/power consumption	Single phase AC100~240V±10% grounding required, 50/60Hz / 710VA							

＊1: J/S Operation
＊2: Desktop Anti-vibration table(E-VS-S57B) is used with -11,-12,-13,-21,-22,-23.　Anti-vibration table(E-VS-R16B) is used with -14,-24.
★ Optional ordinary stand, anti-vibration table, and computer rack included in dimensions.