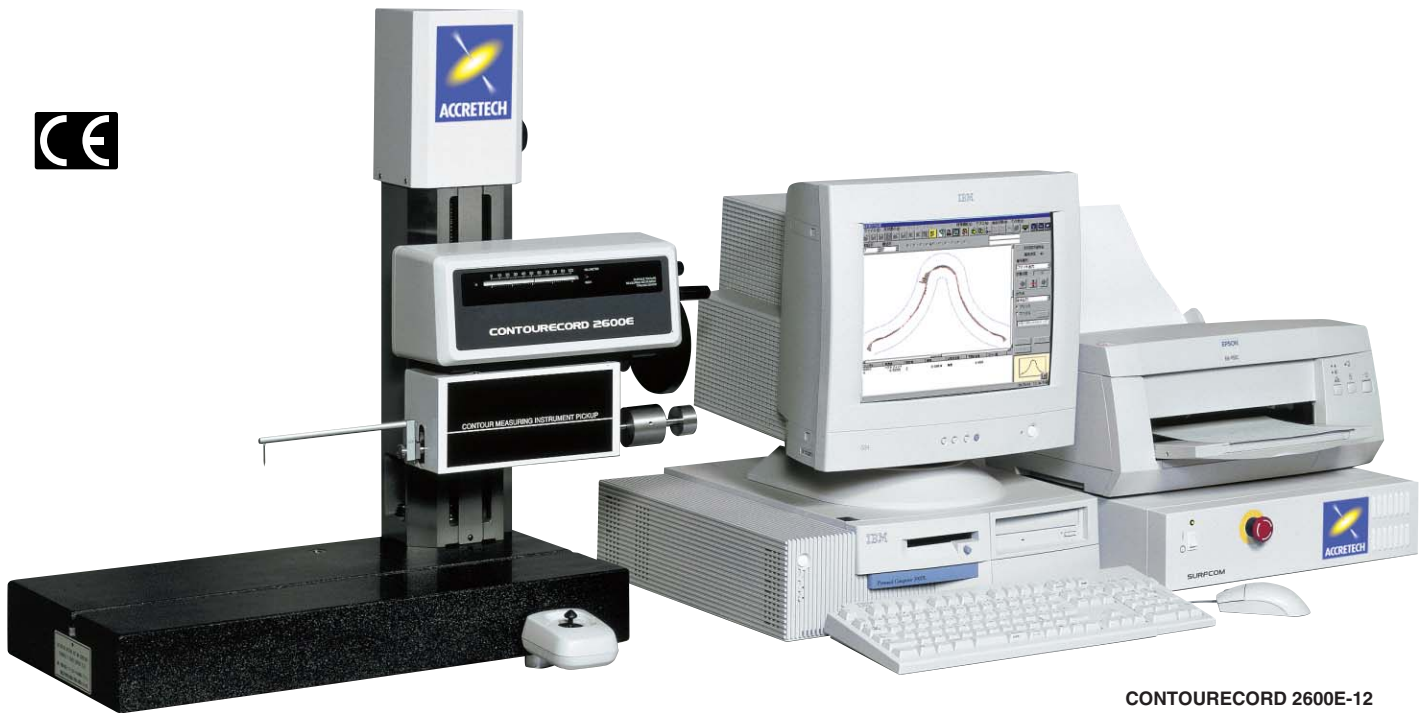


High Precision Contour Measurement
 1 μ m or Less in Z Direction (for displacement of 5mm)

CONTOURECORD 2600E



CONTOURECORD 2600E-12

* Printer is option.

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

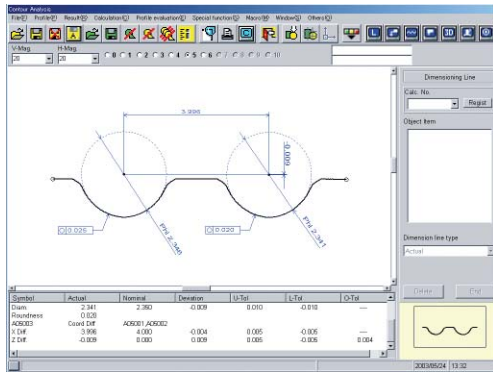
- Overall workpiece analysis can be executed after completing only one pattern analysis for workpieces where certain shapes are repeated.

High Precision Contour Profile Evaluation

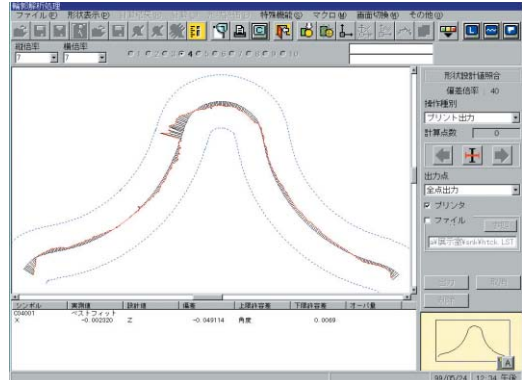
- The 2600E is ideal for the evaluation of non-spherical lenses, optical fiber connectors, ball screws and other parts where high profile accuracy is required.

Host of Contour Evaluation Functions

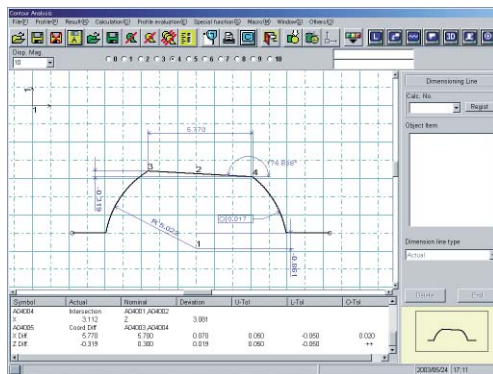
- A wide range of evaluation are provided. Standard functions include a measured data (point data)/design value deviation collation function, design value generation function, best fit function and IGES/DXF conversion function to facilitate communication with CAD systems.



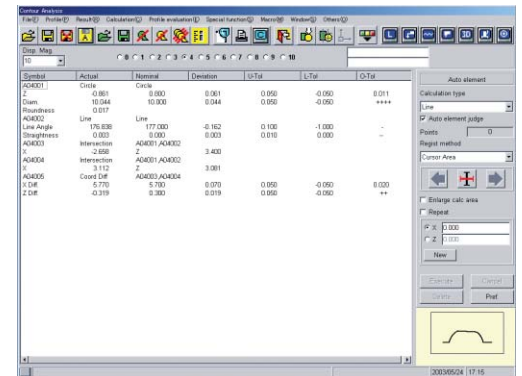
Dimension line display function



Contour profile design value collation



Contour profile dimension analysis



Calculation result/design value collation

Specifications

Model			CONTOURECORD 2600E
Measuring range	Z axis (vertical)		50 mm
	X axis (horizontal)		100 mm (200 mm on -22 system)
Accuracy	Z axis indication accuracy		$\pm (0.8 + 4H / 100) \mu\text{m}$ H: Measuring height (mm)
	Measuring resolution		0.025 μm
	X axis indication accuracy		$\pm (1 + 2L / 100) \mu\text{m}$ L: Measuring length (mm)
	Measuring resolution		0.1 μm
Straightness accuracy			1 $\mu\text{m} / 100$ mm
Sensing method	Z axis		Laser beam diffraction scale
	X axis		Moiré striped scale
Recording	Vertical magnification		0.01~10,000,000 (Possible for any or automatic value)
	Horizontal magnification		0.01~10,000,000 (Possible for any or automatic value)
Speed	Column up/down (Z axis)		3 mm/s
	Measuring (X axis)		0.03, 0.06, 0.15, 0.3, 0.6, 1.5, 3, 6 mm/s
Min. measuring pitch			0.1 μm
Max. measuring points			100,000 (Max. 10 profiles)
Radius of stylus			0.025 mm R
Measuring force			30 mN or less
Measuring feed direction			Push/pull, both directions
Measuring orientation			Up/down, both directions
Calculation processing functions			Point, line, circle, partial circle, ellipse, max. point/min. point, distance, coordinate difference, polar coordinate difference, orthogonal/polar coordinate difference display, intersecting elements (point-line, line-line, circle-line, circle-circle, line-ellipse), symmetric elements (point-point, point-circle, point-ellipse, line-line, circle-circle, circle-ellipse, ellipse-ellipse), coordinate control (zero point setting, X axis setting, parallel movement, rotary movement), surface calculation, over-pin calculation, dimension line display function, calculation result/design value collation, mirror reversal, profile synthesis function, macro function, automatic element discrimination, calculation point repeat function, workpiece trace function, peak and valley function, auto operation log/playback function, profile design value collation, best fit, design value generation, IGES/DXF conversion
Power source			Single phase AC 100 V $\pm 10\%$, 50/60 Hz
Power consumption			380 VA
Installation dimensions			1400 (W) \times 800 (D) \times 750 (H) mm
Weight			150 kg

* Printer is not included in power consumption.