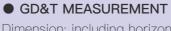
MOBILE ROUGHNESS MEASURING INSTRUMENT

On the premise of retaining the complete measurement function, we have upgraded the roughness profiler to be "lightweight + movable", with newer equipment and performance to meet various measurement needs to make it more lightweight and practical.





Dimension: including horizontal distance, vertical distance, linear distance, radius,

diameter Angle: including horizontal angle, vertical angle, angle Position tolerance: including parallelism, perpendicularity Shape tolerance: including straightness, convexity, arc contour

MEASUREMENT FUNCTIONS

Auxiliary generation: including auxiliary point, auxiliary line, auxiliary circle

ROUGHNESS MEASUREMENT

Roughness analysis: Ra, Rq, Rz (Ry), Rz (DIN), R3z, Rz (jis), Rp, Rv, Rt, etc. Waviness analysis: wt, wa, wp, wv, wq, etc

TECHNICAL PARAMETERS

Item		Parameters
Measuring range	Z axis(Column)	200mm
	Z1 (sensor)	60mm
Accuracy	Z axis measurement tolerance	±(2.5+0.02L)µm ※
	Z1 axis measurment accuracy	±(3+0.02H)µm ※
	Roughness measurement stability	≤±7%
	Roughness measurement repeatability	±3%
	Linear accuracy	≤±0.05%F.S
	Curvature error (R:mm)	± (3+R/12) μm
	Curvature value repeatability	±3μm
	Angular value error	±2.5′
	Angular value repeatability	±1%
Evaluation length		λc×3、4、5、6、7
Cutoff wavelength		0.025、0.08、0.25、0.8、2.5、8mm
Climbing angle		Upward 77°, downward 88°

* L: measuring distanceH: measuring height