

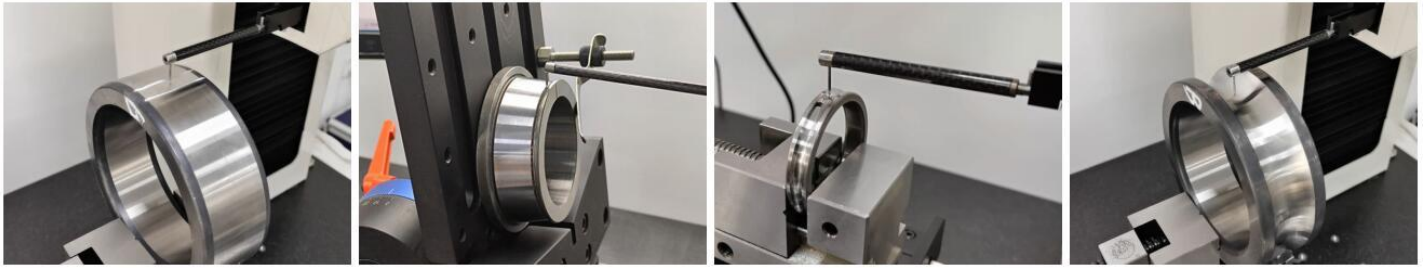
Inflex 8 Series Integrated Roughness and Contour Measuring Instrument



Cost-effective roughness and contour one time measurement solution. Adopt high rigidity, high accuracy, maintenance-free linear motion guide rail, can control the measuring system with high precision performance.

Application

Case



Technical Specification

	Model	Infix 10
Column	Measuring range	0-620mm optional
Drive unit	Measuring range	0-220mm optional
	Indicating accuracy	$\pm(0.8+2L/100)\mu\text{m}$
	Straightness	$\leq 0.3\mu\text{m}/100\text{mm}$
Detector	Measuring range	$\pm 10\text{mm}$
	Z1 axis contour indicating accuracy	$\leq \pm(0.8+ 0.12H)\mu\text{m}$
	Z1 axis roughness indicating accuracy	$\leq \pm(8\text{nm}+3.5\%)$
	Repeatability	$1\delta \leq 2\text{nm}$
	Residual noise	$\leq 0.012\mu\text{m}$
	Stylus	Standard, diamond $5\mu\text{m}/90^\circ$
Measuring accuracy	Arc	$\leq \pm(1.2+R/12)\mu\text{m}$
	Arc Pt	$\leq \pm 0.3\mu\text{m}$
	Angle	$\leq \pm 1'$