

NEX Series SURFCOM

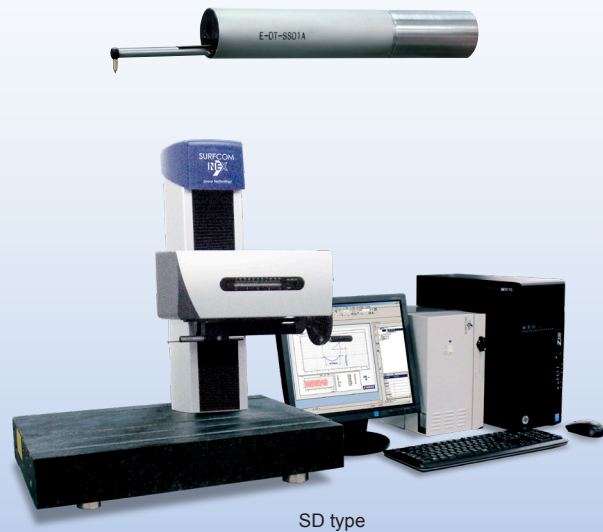
Dedicated catalog is available.

NEX 001 DX/SD

Measuring instrument designated for surface roughness
Achieved low vibration and high definition measurement by employing linear motor drive



DX type



SD type

NEX 001 is a model designated for surface roughness measurement. Please refer to page 22 to 23. *Tracing driver tilting device is optional

Measurement unit

Model				SURFCOM NEX								
				12	13	14	15	22	23	24	25	
Tracing Driver	X-axis (L: Measuring length mm)	Sensing method		Linear scale								
		Straightness accuracy		Pick up for surface roughness measurement (μm)								
		Resolution (μm)		(0.05 + 1.0L/1000)								
		Speed (mm/s)	Travel speed		0.016							
			Measuring speed		0.03 to 60							
Tilt angle (°)		Pick up for surface roughness measurement		0.03 to 20								
Measuring table	Column	Speed (mm/s)	Travel speed	±15 (optional tilting device)								
	Base	Material		Max. 10								
				Gabbro								

Detector

Roughness measurement pickup (E-DT-SS01B)	Measuring range	Z-axis (μm): Vertical direction		1000	
	Roughness measurement	Sensing method		Differential inductance	
		Measuring range (μm)		6.4 to 1000	
		Measuring resolution (nm)		0.1 to 20	
		Functions		Up/downward measurement, Upside limit detection safety function	
	Stylus	Roughness	Model		DM43801
			Replace method		Replaceable
			Measuring force (mN)		0.75
			Stylus material		Diamond
			Stylus form		Rtip 25 μm/60°Cone