

# MMD-H Series

## Roughness Measuring Instrument

Minimum spacing for acquisition 0.05 $\mu$ m

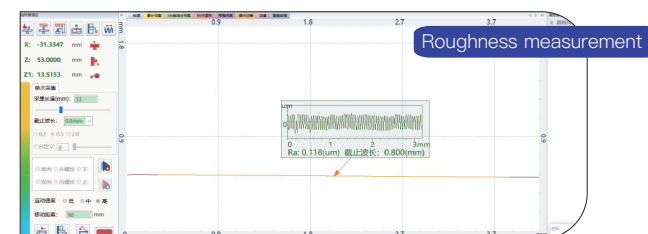
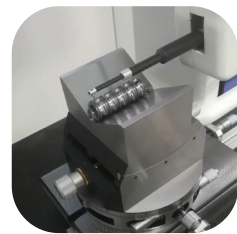
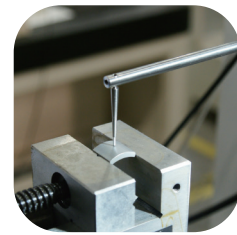
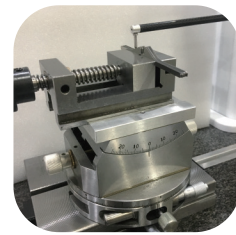
Small measuring force, high accuracy

Excellent data repeatability

Convenient measurement method

Resolution up to 0.001 $\mu$ m

Conductorless sensor



### Measuring Function

Roughness measurement of a variety of parts surfaces, including flat surfaces, beveled surfaces, external cylindrical surfaces, internal bore surfaces, deep groove surfaces, bearing raceways, circular arc surfaces and spherical surfaces, etc., to achieve multi-functional precision measurement of surface roughness

### Roughness

Ra, Rz, Rz(max, Ry), Rt, Rp, Rpm, Rz (jis), Rv, R3z, Rsm, Rsk, Rk, Rc, Rpk, Rvk, Mr1, Mr2

### Technical Parameter

Item		Model	
		MMD-H50	MMD-H100
Measure Range	X axis(horizontal)	50mm	100mm
	Z axis (vertical)	0.8mm	20mm
Straightness accuracy		0.4 $\mu$ m/50mm	
Filter		Gaussian filter (ISO11562:1996) , 2RC filter	
Cut-off wavelength		0.25,0.8,2.5	
Measuring length		$\lambda_c \times 3, 4, 5, 6, 7$	
Measuring speed		0.1mm/s, 0.32mm/s, 0.5mm/s	
Return speed		1mm/s (auto)	
Measurement error		$\pm 5\%$	
Measurement stability		3%	
Measurement repeatability		3%	
Graphical magnification		10-500000, auto adjustment	

The above table parameters are the default configuration, if you need , other configurations can be optional according to the order .