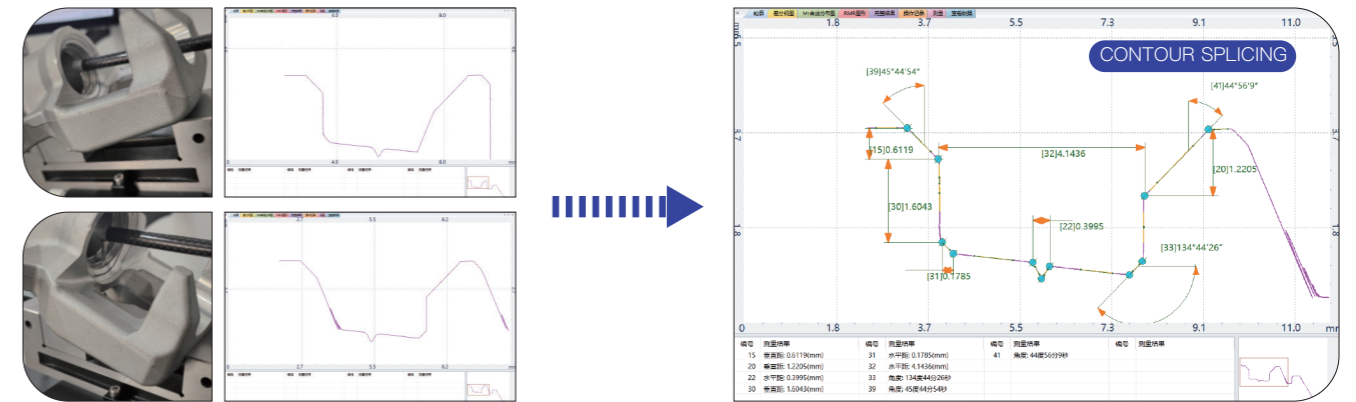# MMD SERIES
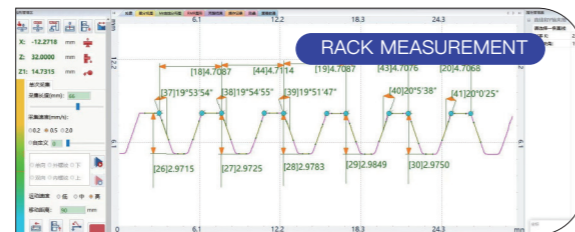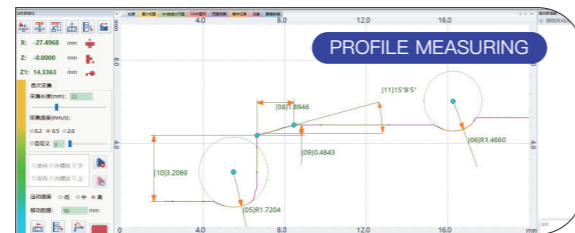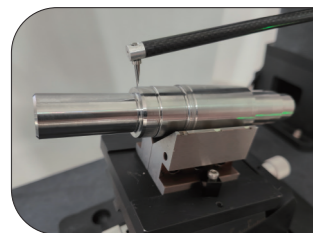# PROFILOMETER

It can measure the contour of various precision mechanaical parts, support aoutomatic measurement, and automatic dimension

PROFILE MEASURING

RACK MEASUREMENT

CONTOUR SPLICING

FUNCTION

Point: point, midpoint, intersection, highest point, lowest point

Line: straight line, tangent line, vertical line, parallel line, bisector

Angle processing: coordinate angle, line angle

Arc processing: arc radius, center distance, distance from center to line, distance from intersection point to center, local circle, tangent circle

Others: groove depth, groove edge distance, groove center distance, horizontal distance, groove shape deviation, etc

FORM TOLERANCE

Straightness, convexity and profile

AUXILIARY FUNCTIONS

Including auxiliary point, auxiliary line and auxiliary circle

TECHNICAL PARAMETER

Item		Model		
		MMD–100	MMD–150	MMD–200
measuring range	X–axis horizontal guide rail	100mm	150mm	200mm
	Z1 axis sensor	40mm	50mm	60mm
	Z–axis column	450mm	500mm	500mm
Profile	Linear precision X	$\pm$ (1+0.05L) μm ※		
	Linear precision Z1	$\pm$ (1+0.02H) μm ※		
	angle	≤±1'		
	arc	≤±(0.8+R/12)μm R 0.5 mm~10mm ※		
	Straightness	0.6μm/100mm	0.6μm/100mm 1.0/150mm	0.6μm/100mm 1.2/200mm

The parameters in the table above are default configurations.
If other configurations are required, they can be selected according to the order number

※ L: Measuring distance、H: Gauge altitude、R: Radius of curvature