

- ◆ High precision air-floating spindle, never wear, can keep high accuracy for long time
- ◆ High accuracy and good stability
- ◆ Large arc can be measured
- ◆ Automatic identification of contour discontinuities, can eliminate automatically or manually



SPECIFICATION

Measuring range	Max. dia.	Ø180mm
	Min. inner dia.	Ø5mm
	Max. height	420mm
Spindle accuracy	Radial error	$\pm(0.025+5H/10000)\mu\text{m}$
	Axial error	$\pm(0.02+6X/10000)\mu\text{m}$
Stage	Stage dia.	Ø180mm
	Rotation dia.	Ø300mm
	Max. load weight	25kg
	Adjustment range	adjust the eccentricity: $\pm 2\text{mm}$; adjust the level: $\pm 1^\circ$
	Rotation speed	0-12 rpm(adjustable)
Horizontal arm	Horizontal moving distance	150mm
	Probe moving speed	0.5-6mm/s (adjustable)
Sensor	Range	500 μm
	Resolution	0.005 μm
	Stylus	Ø2mm ruby ball
	Measuring force	1-12g
Air source		0.45-0.80Mpa
Air consumption		0.2m ³ /min
Power supply		110~220V
Dimension		920x530x1600mm

INCLUDED ACCESSORIES

Main unit	1pc
Stage	1pc
Precision chuck	1pc
Standard ball	1pc
Standard elliptical part	1pc
Probe	1pc

OPTIONAL ACCESSORIES

Computer	1pc
Printer	1pc
Anti-dust cover	1pc

SERIES RP100XS

PROFILE AND ROUGHNESS MEASURING MACHINE



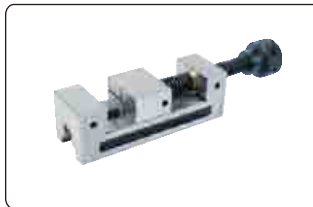
- ◆ Measure the surface profile and roughness with same probe at same time (for **RP100RS**)
- ◆ With high precision and good linearity digital probe (for **RP100RS** and **RP100TS**)
- ◆ Easy to install and replace without calibration
- ◆ Stylus can contact, lift and return automatically
- ◆ CAD file can be exported and imported (for **RP100RS** and **RP100JS**)
- ◆ With manufacturer inspection certificate



RP100RS



stage



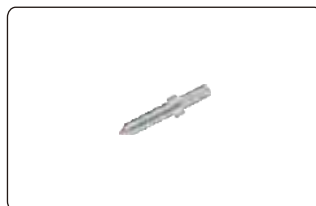
vice



profile calibration block
(for **RP100RS** and **RP100JS**)



roughness calibration block
(for **RP100RS** and **RP100TS**)



Φ3*20mm point stylus



Φ3*21mm knife stylus