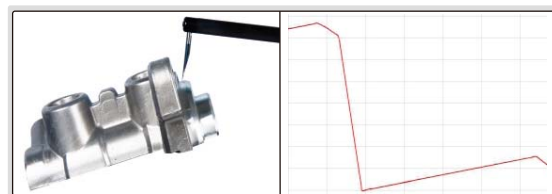
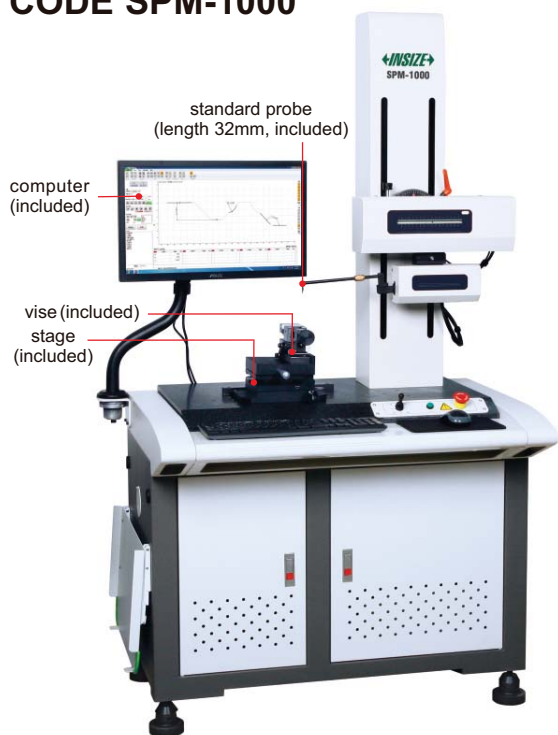
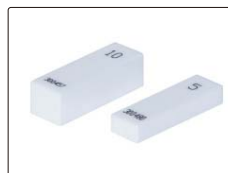


# SURFACE PROFILE MEASURING MACHINE

## CODE SPM-1000



- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format xy, txt, csv, etc.
- Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- The overall structure of the Z-axis sensor does not have any elastic components, ensuring the measuring force is constant regardless the position of probe



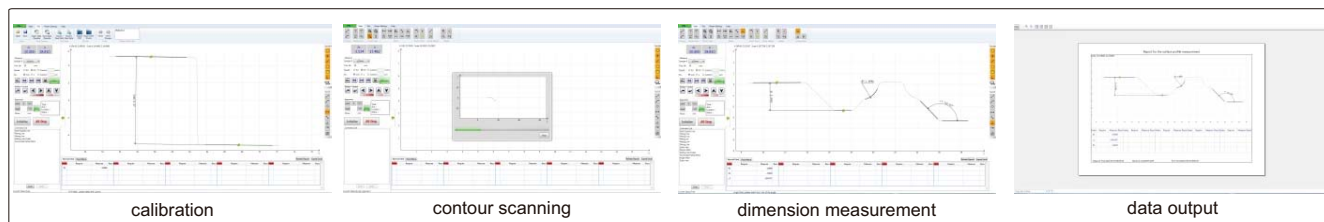
standard blocks (included)



standard balls (included)

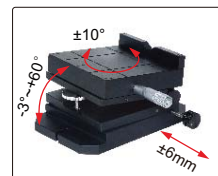


standard shaft (included)



### SPECIFICATION

X axis measuring range	140mm
X axis resolution	0.2 $\mu$ m
X axis straightness	0.8 $\mu$ m/100mm
X axis traverse speed	0.1~10mm/s
Z axis measuring range	$\pm$ 20mm
Z axis resolution	0.05 $\mu$ m
Z axis traverse speed	0.5~10mm/s
Linear accuracy	$\pm(1.5+ 0.2H )\mu$ m, H is measuring height in mm
Angular measuring accuracy	$\pm 2'$
Arc measuring accuracy	$\pm(2+R/8)\mu$ m, R is 2~10mm standard ball
Radius of probe tip	25 $\mu$ m
Traverse direction	backward
Measuring force	0.69~0.98mN
Measuring unit	mm/inch
Traceable angle	72°(upward), 87°(downward)
Drive mode	motor
Travel of Z axis	400mm
Dimension(L×W×H)	1200×700×1780mm
Power supply	220 $\pm$ 5%V, 50Hz
Weight	320kg



stage (included)



vise (included)

### STANDARD DELIVERY

Main unit	1 pc
Standard probe and arm	1 pc of each
Standard block	2 pcs
Standard ball	2 pcs
Standard shaft	1 pc
Stage	1 pc
Vise	1 pc
Computer	1 pc
Measurement software	1 pc
Printer	1 pc
Installation tools	1 set