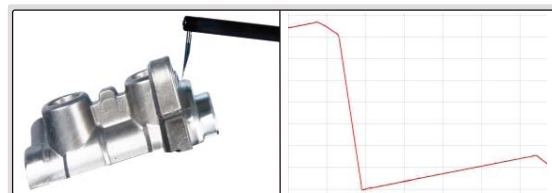
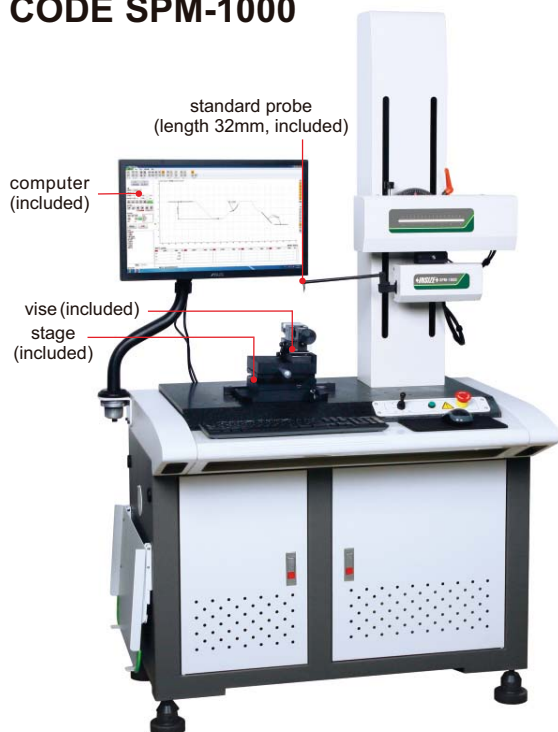
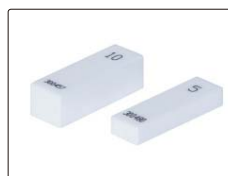


SURFACE PROFILE MEASURING MACHINE CODE SPM-1000



- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format 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



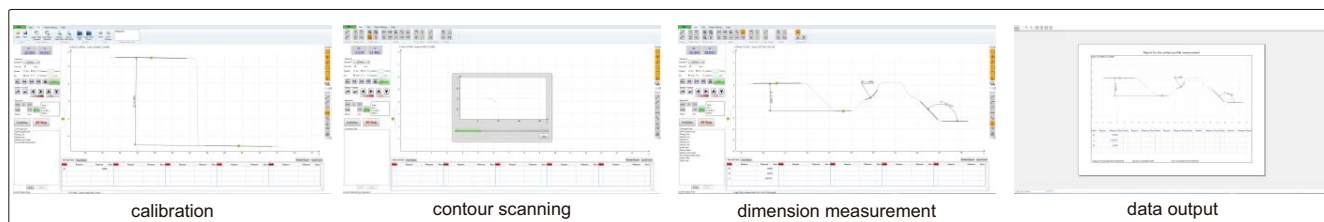
standard blocks (included)



standard balls (included)

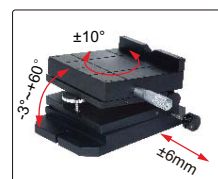


standard shaft (included)



SPECIFICATION

X axis measuring range	140mm
X axis resolution	0.2μm
X axis straightness	0.8μm/100mm
X axis traverse speed	0.1~10mm/s
Z axis measuring range	±20mm
Z axis resolution	0.05μm
Z axis traverse speed	0.5~10mm/s
Linear accuracy	$\pm(1.5+ 0.2H)\mu\text{m}$, H is measuring height in mm
Angular measuring accuracy	$\pm 2'$
Arc measuring accuracy	$\pm(2+R/8)\mu\text{m}$, R is 2~10mm standard ball
Radius of probe tip	25μm
Traverse direction	backward
Measuring force	6.86~9.8mN
Measuring unit	mm/inch
Traceable angle	72°(upward), 87°(downward)
Drive mode	motor
Travel of Z axis	430mm
Dimension(L×W×H)	1200×700×1780mm
Power supply	220±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
Measuring arm	1 pc
Computer	1 pc
Measurement software	1 pc
Printer	1 pc
Installation tools	1 set

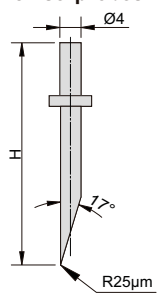
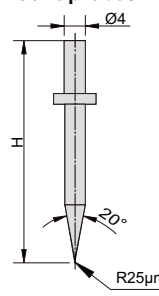
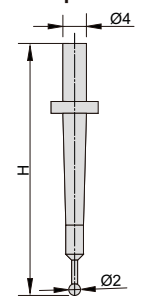
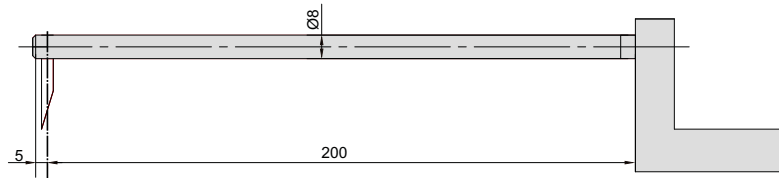
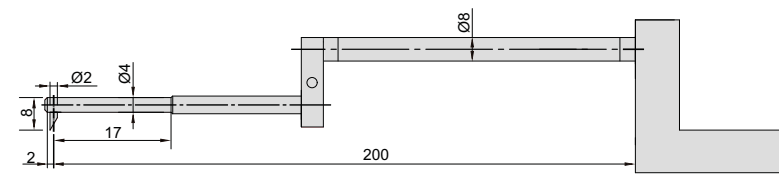
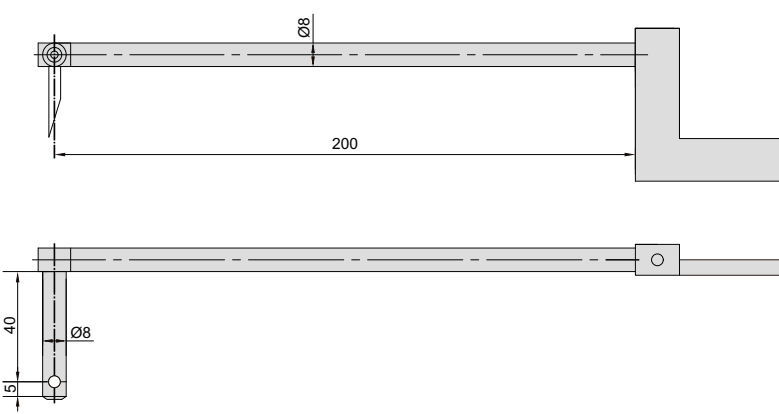
To be continued

OPTIONAL ACCESSORY

Probe and measuring arm	see details
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SPECIFICATION OF PROBES AND ARMS

Unit: mm

<p style="text-align: center;">chisel probes</p>  <p>code SPM-1000-T01(H=32mm, included) code SPM-1000-T02(H=48mm, optional) code SPM-1000-T03(H=68mm, optional)</p>	<p style="text-align: center;">cone probes</p>  <p>code SPM-1000-Z01(H=32mm, optional) code SPM-1000-Z02(H=48mm, optional) code SPM-1000-Z03(H=68mm, optional)</p>	<p style="text-align: center;">ball probes</p>  <p>code SPM-1000-R01(H=32mm, optional) code SPM-1000-R02(H=48mm, optional) code SPM-1000-R03(H=68mm, optional)</p>
<p>standard measuring arm, code SPM-1000-SP(included), probe is not included</p> 		
<p>measuring arm for small holes, code SPM-1000-SBP(optional), probe is included</p>  <p style="text-align: center;">measure the contour of holes with diameter > Ø8mm</p>		
<p>transverse measuring arm, code SPM-1000-LP(optional), probe is not included</p>  <p style="text-align: center;">measure the contour of holes in radial direction</p>		