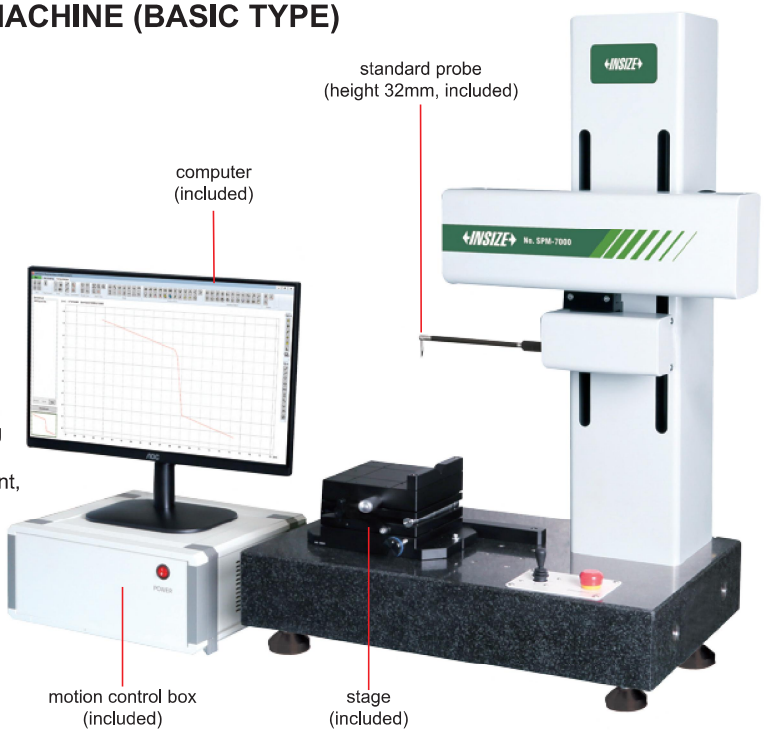
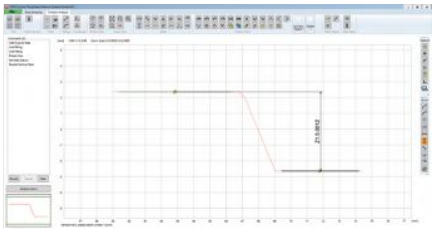
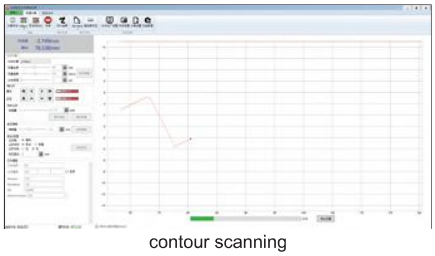
SURFACE PROFILE MEASURING MACHINE (BASIC TYPE)
CODE SPM-7000

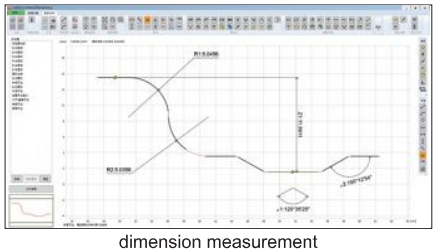
VIDEO

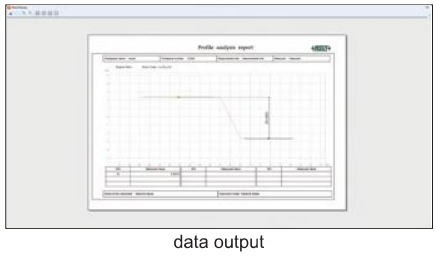
- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format txt, csv, excel, pdf, etc.
- Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- The overall structure of the Z-axis sensor does not have any flexible components, ensuring the measuring force is constant regardless the position of probe
- Compact all-in-one desktop design with a small footprint, no dedicated workstation required




calibration

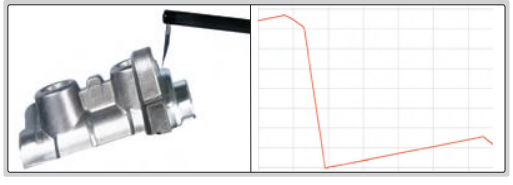

contour scanning


dimension measurement


data output

SPECIFICATION

X axis measuring range	100mm
X axis resolution	0.1μm
X axis straightness	0.8μm/100mm
X axis moving speed	0.5~10mm/s
Z axis measuring range	±20mm
Z axis resolution	0.1μm
Z axis moving speed	0.5~20mm/s
Linear accuracy	±(1.5+|0.08H|)μm, H is measuring height in mm
Angular measuring accuracy	±2′
Arc measuring accuracy	±(2+R/6)μm, R is 2~10mm standard ball
Radius of probe tip	25μm
Moving direction	backward
Measuring unit	mm/inch
Traceable angle	72° (upward), 87° (downward)
Drive mode	motor
Travel of Z axis	320mm
Dimension (L×W×H)	600×400×920mm
Power supply	220V±5%, 50Hz
Net weight	131kg



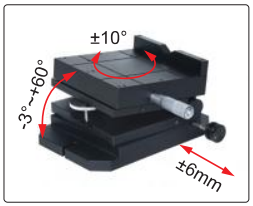

standard balls (included)


standard blocks (included)


standard shaft (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
Installation tools	1 set



stage (included)


vise (included)


workbenches **(optional)**

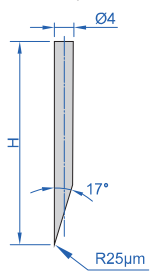
OPTIONAL ACCESSORY

Workbenches	**7911**
Probe	see details

SPECIFICATION OF PROFILE PROBES

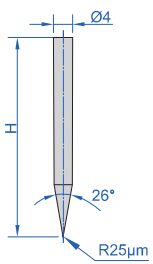
unit: mm

chisel stylus



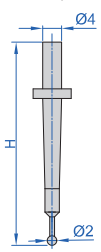
code **SPM-T32-4-17** (H=32mm, included)
code **SPM-T48-4-17** (H=48mm, **optional**)

cone stylus



code **SPM-Z32-4-26** (H=32mm, **optional**)
code **SPM-Z48-4-26** (H=48mm, **optional**)

ball stylus



code **SPM-R32-4-2** (H=32mm, **optional**)
code **SPM-R48-4-2** (H=48mm, **optional**)

standard arm, code **SPM-7000-SP** (included),
stylus is not included

