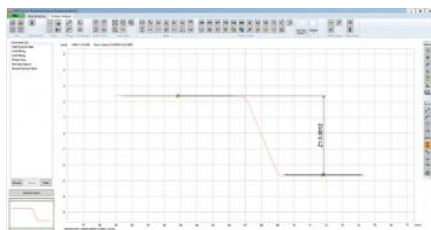
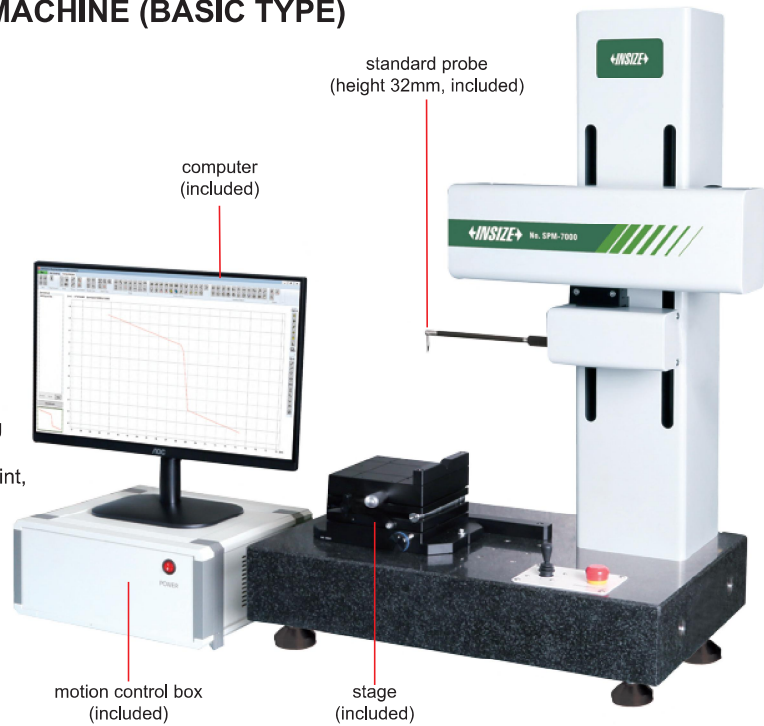


SURFACE PROFILE MEASURING MACHINE (BASIC TYPE)

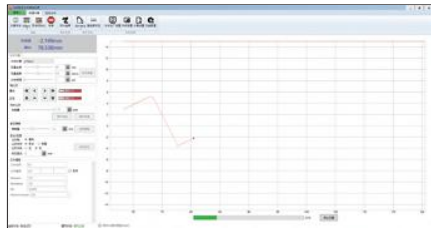
CODE SPM-7000



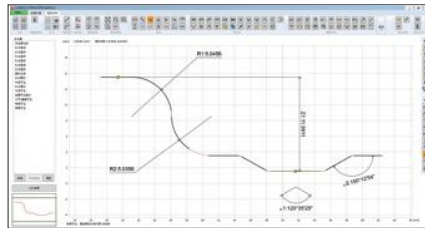
- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format txt, csv, excel etc.
- Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- The overall structure of the Z-axis sensor does not have any elastic components,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



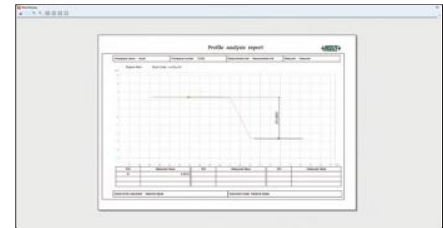
calibration



contour scanning



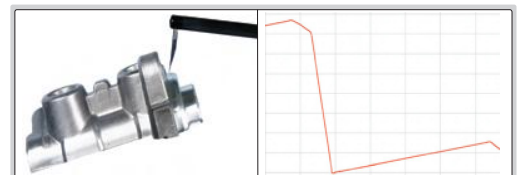
dimension measurement



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	220±5%V, 50Hz
Net weight	131kg



standard balls (included)



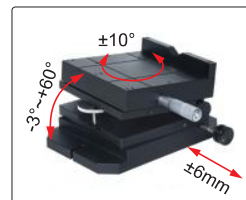
standard blocks (included)



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)

OPTIONAL ACCESSORY

Workbenches	7911
Probe	see details

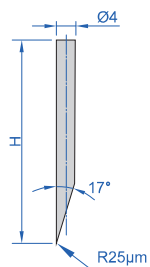


workbenches (optional)

SPECIFICATION OF PROFILE PROBES

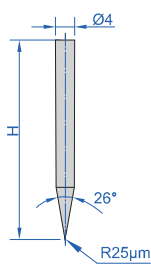
unit: mm

chisel stylus



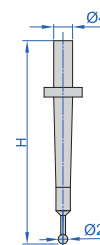
code **SPM-1000-T01** (H=32mm, included)
code **SPM-1000-T02** (H=48mm, optional)

cone stylus



code **SPM-1000-Z01** (H=32mm, optional)
code **SPM-1000-Z02** (H=48mm, optional)

ball stylus



code **SPM-1000-R01** (H=32mm, optional)
code **SPM-1000-R02** (H=48mm, optional)

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

