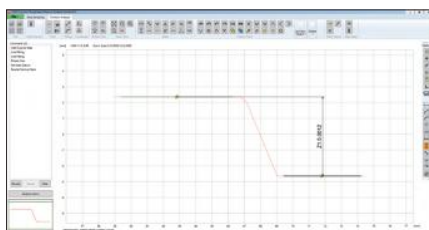


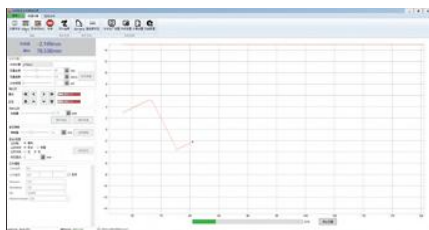
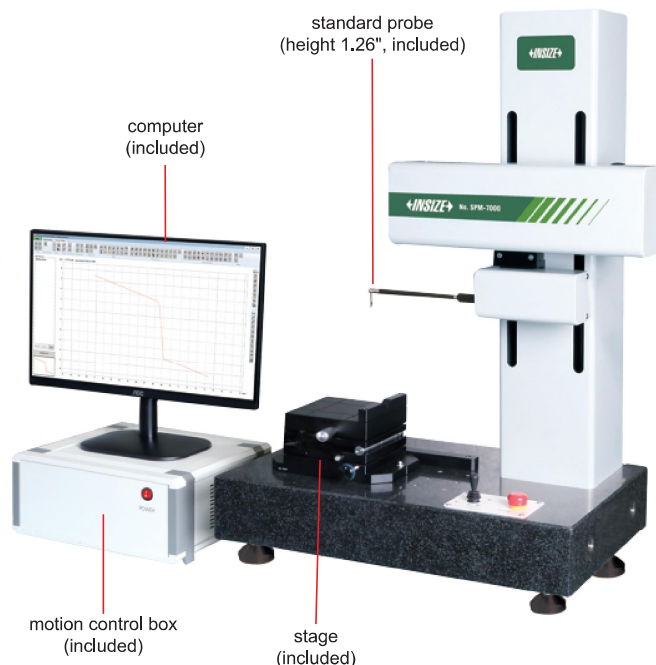


SURFACE PROFILE MEASURING MACHINE (BASIC TYPE) PART NO. SPM-7000-U

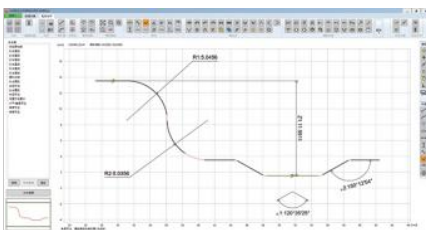
- Software is included, for surface profile measurement and data output
- Probe compensation
- Output as format txt, csv, excel, pdf, etc.
- Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- The overall structure of the Z-axis sensor does not have any flexible 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



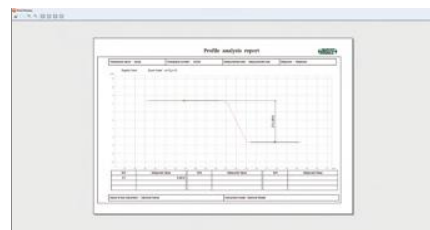
calibration



contour scanning



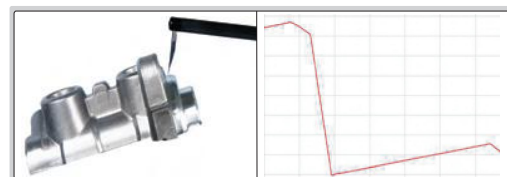
dimension measurement



data output

SPECIFICATION

X axis measuring range	3.94"
X axis resolution	3.94μin
X axis straightness	31.5μin/3.94"
X axis traverse speed	.02~.39"/s
Z axis measuring range	±.787"
Z axis resolution	3.94μin
Z axis traverse speed	.02~.78"/s
Linear accuracy	±(59+ 80H)μin, H is measuring height in inch
Angular measuring accuracy	±2'
Arc measuring accuracy	±(79+167R)μin, R is .079~.39" standard ball
Radius of probe tip	.001"
Traverse direction	backward
Measuring unit	mm/inch
Traceable angle	72°(upward), 87°(downward)
Drive mode	motor
Travel of Z axis	12.60"
Dimension (L×W×H)	23.62×15.75×36.22"
Power supply	110±5%V, 50Hz
Net weight	288.81lb



standard balls (included)



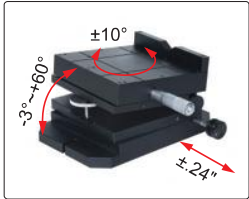
standard shaft (included)



standard blocks (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 PROBES

chisel stylus part No. SPM-1000-T01 (H=1.26", included) part No. SPM-1000-T02 (H=1.89", optional)	cone stylus part No. SPM-1000-Z01 (H=1.26", optional) part No. SPM-1000-Z02 (H=1.89", optional)	ball stylus part No. SPM-1000-R01 (H=1.26", optional) part No. SPM-1000-R02 (H=1.89", optional)
standard arm, part No. SPM-7000-SP (included), stylus is not included		