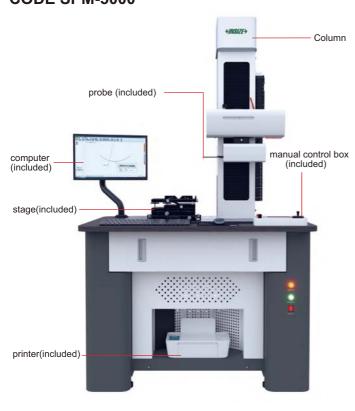
ROUGHNESS AND PROFILE MEASURING MACHINE (ONE PROBE TYPE) CODE SPM-5000



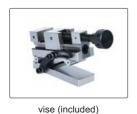
- Roughness, waviness, and profile analysis can be achieved with just one measurement
- Can measure all roughness and waviness parameters
- Can be used for automatic measurement system
- Air flotation and shockproof system to reduce measurement deviation
- Free to edit measurement reports

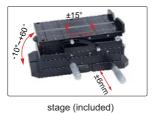
PROFILE MEASUREMENT SPECIFICATION

100mm
0.2µm
0.05~50mm/s
±(0.8+ 0.015L)µm, H is measuring length in mm
±10mm
0.01µm
0.2~50mm/s
±(0.5+ 0.08H)µm, H is measuring height in mm
±1'
±(1+R/12)μm, R is 2~10mm standard ball
0.3µm/100mm,
mm/inch
320mm
220±5%V,50Hz
1700×820×1900mm
500kg

ROUGHNESS MEASUREMENT SPECIFICATION

Roughness parameters	Ra, Ramax, Ramin, Rasd, Rp, Rpmax, Rpmin, Rpsd, Rv, Rvmax, Rvmin, Rvsd, Rz, Rzmax, Rzmin, Rzsd, R3z, Rc, Rcmax, Rcmin, Rcsd, Rt, Rq, Rqmax, Rqmin, Rdsd, Rsk, Rskmax, Rskmin, Rsksd, Rku, Rkumax, Rkumin, Rkusd, Rsm, Rsmmax, Rsmmin, Rsmsd, Rs, R Δ a, R Δ amax, R Δ amin, R Δ asd, R Δ q, R Δ qmax, R Δ qmin, R Δ qsd, Rk, Rpk, Rvk, Mr1, Mr2, R Δ a, R Δ amax, R Δ amin, R Δ asd, R Δ q, R Δ qmax, R Δ qmin, R Δ asd, R Δ q, R Δ qmax, R Δ qmin, R Δ qsd, R Δ q, R Δ qmax, R Δ qmin, R Δ qsd, R Δ q, R Δ qmax, R Δ qmin, R Δ qsd, R Δ q, R Δ qmax, R Δ qmin, R Δ qsd, R Δ qmax, R Δ qmax, R Δ qmin, R Δ qsd, R Δ qmax, R Δ qmin, R Δ qqmax, R Δ qmax, R Δ qm
Waviness parameters	$Wa, Wamax, Wamin, Wasd, Wsa, Wca, Wa08, Wc, Wcmax, Wcmin, Wcsd, Wt, Wz, Wzmax, Wzmin, Wzsd, Wp, Wpmax, Wv, Wvmax, Wvmin, Wvsd, Wq, Wqmax, Wqmin, Wqsd, Wsm, Wsmmax, Wsmmin, Wsmsd, Wsk, Wskmax, Wskmin, Wsksd, Wku, Wkumax, Wkumin, Wkusd, W\Deltaq, W\Deltaqmax, W\Deltaqmin, W\Deltaqsd, W\deltac, Wmr, Wpsd, Wpmin$
Original profile parameters	Pa, Pt, Pp, Pc, Pv, Pz, Pq, Psm, Psk, Pku, RzJ, Rpq, Rvq, Rmq, Pmr, PΔq, Avh, Hmax, Hmin, Area, Pδc, Tilta
Motif parameters	Ncrx, R, Rx, AR, Nr, Cpm, Sr, Sar, W, Wx, Aw, Wte, Nw, Sw, Saw
Measuring range	±10mm
Resolution	0.01μm
Linear accuracy	≤±(4nm+2.5%)
Probe radius/angle	5μm/90°
Cut off	0.025/0.08/0.25/0.8/2.5/8mm
Number of cut-offs	2~7
Measuring unit	μm
Measuring speed	0.1~2mm/s











standard balls (included)

standard blocks (included)

standard shaft (included)

STANDARD DELIVERY

OTANDAND DELIVERT		
Main unit (including workbench, controller, driver, sensor)	1 pc	
Calibration block	1 set	
Probe arm	1 pc	
Stylus	1 pc	
Air flotation and shockproof system	1 set	
Stage	1 set	
Vise	1 set	
Computer	1 pc	
Software	1 set	
Printer	1 pc	
Installation tools	1 set	

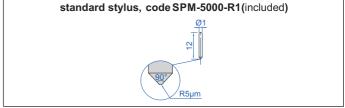
OPTIONAL ACCESSORY

Probe and arm see details

SPECIFICATION OF STANDARD PROBE

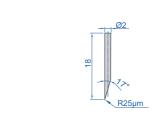
Unit:mm

Unit: mm

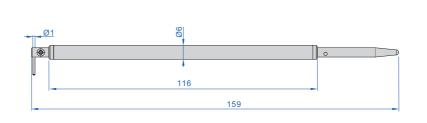


SPECIFICATION OF PROFILE PROBES

Standard arm, code SPM-5000-P1 (included), stylus is not included

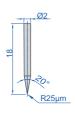


code SPM-5000-T01 (optional)



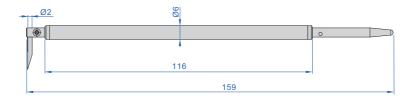
cone stylus

chiselstylus

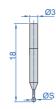


code SPM-5000-Z01 (optional)

Profile arm, code SPM-5000-P2 (optional), stylus is not included



ball stylus



code SPM-5000-S01 (ØS=1mm, optional) code SPM-5000-S02 (ØS=2mm, optional)

Profile arm, code SPM-5000-P3 (optional), stylus is not included

