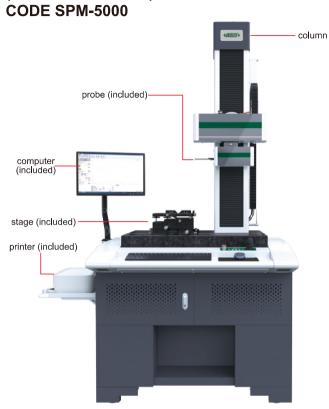


# **ROUGHNESS AND PROFILE MEASURING MACHINE** (ONE PROBE TYPE)

PROFILE AND ROUGHNESS MEASUREMENT AT THE SAME TIME



- 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

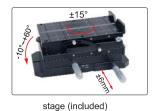
## PROFILE MEASUREMENT SPECIFICATION

X axis measuring range	150mm	
X axis resolution	0.0012µm	
X axis traverse speed	(0.05~50)mm/s	
X axis linear accuracy	±(0.8+ 0.015L )µm, L is measuring length in mm	
Z axis measuring range	±10mm	
Z axis resolution	0.0012µm	
Z axis traverse speed	(0.2~40)mm/s	
Z axis linear accuracy	±(0.5+ 0.02H )µm, H is measuring height in mm	
Angular measuring accuracy	±1′	
Arc measuring accuracy	±(1+R/12)µm, R is 2~10mm standard ba <b>ll</b>	
Straightness	0.3µm/100mm	
Measuring unit	mm/inch	
Travel of Z axis	420mm	
Power supply	220±10%V, 50Hz	
Dimension (L×W×H)	1700×820×1900mm	
Weight	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, Rqsd, Rsk, Rskmax, Rskmin, Rsksd, Rku, Rkumax, Rkumin, Rkusd, Rsm, Rsmmax, Rsmmin, Rsmsd, Rs, RΔa, RΔamax, RΔamin, RΔasd, RΔq, RΔqmax, RΔqmin, RΔqsd, Rk, Rpk, Rvk, Mr1, Mr2, Rλa, Rλamax, Rλamin, Rλasd, Rλq, Rλqmax, Rλqmin, Rλqsd, Rδc, Rpc, Rmr
Waviness parameters	Wa, Wamax, Wamin, Wasd, Wsa, Wca, Wa08, Wc, Wcmax, Wcmin, Wcsd, Wt, Wz, Wzmax, Wzmin, Wzsd, Wp, Wpmax, Wpmin, Wpsd, Wv, Wvmax, Wvmin, Wvsd, Wq, Wqmax, Wqmin, Wqsd, Wsm, Wsmmax, Wsmmin, Wsmsd, Wsk, Wskmax, Wskmin, Wsksd, Wku, Wkumax, Wkumin, Wkusd, WΔq, WΔqmax, WΔqmin, WΔqsd, Wδc, Wmr
Original profi <b>l</b> e 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	0.0012μm
Linear accuracy	≤±(6nm+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	(0.1~2)mm/s











standard balls (included)

standard blocks (included)

standard shaft (included)

#### STANDARD DELIVERY

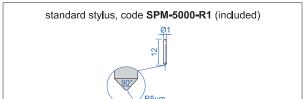
STANDARD DELIVERY	
Main unit (including workbench, controller, driver, sensor)	1 pc
Calibration block	1 set
Probe arm	1 pc
Stylus	1 pc
Air flotation and shockproof system	1 set
Stage	1 set
Vise	1 set
Computer	1 pc
Software	1 set
Printer	1 pc
Installation tools	1 set

#### **OPTIONAL ACCESSORY**

Probe refer to details

## SPECIFICATION OF STANDARD PROBE

unit: mm



## SPECIFICATION OF PROFILEPROBES

unit: mm

