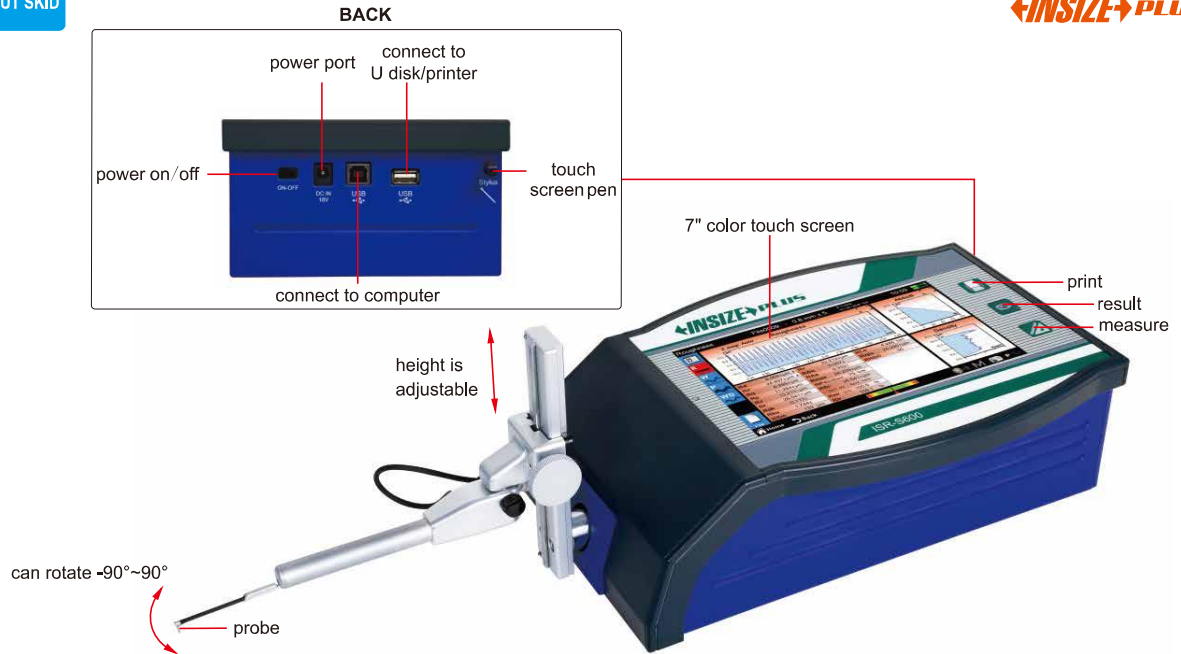


CAN MEASURE WAVINESS AND CURVED SURFACE WITH RADIUS >.20"

PROBES WITHOUT SKID

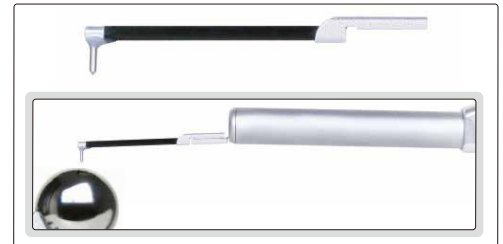
SURFACE ROUGHNESS AND PROFILE TESTER PART NO. ISR-S600



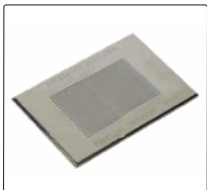
- 75 roughness parameters according to ISO-4287, ISO-13565, DIN-4768, VDA-2007, JIS-B0671, JIS-B0601, ASME-B46.1, ISO-12085, JIS-B0631
- Automatic probe leveling
- Can measure grit and shot blasting
- Traverse length up to 59mm
- Color touch screen, display roughness values, profile and curves
- Allow to connect U disk to save measurement results in Excel, PDF, DXF and image
- Connect ordinary printer or bluetooth printer to print measurement results and graphic curves
- Memory of maximum 4000 in roughness or 1000 in profile
- Can set tolerance



bluetooth printer (optional)



standard roughness probe (included), for measuring plane and curved surfaces



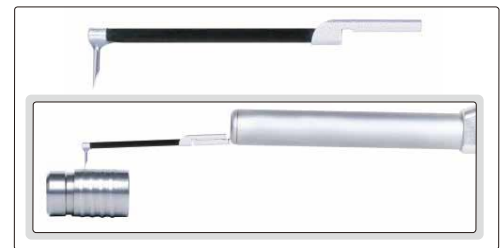
roughness calibration block Ra 3.9µin (included)



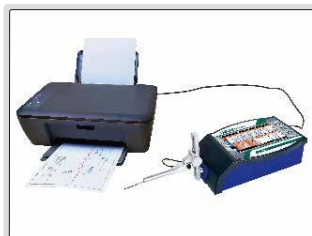
roughness calibration block Ra 117µin (included)



profile calibration (optional)



standard profile probe (included), for measuring profile and dimension



connect the printer with USB cable, print the measurement results



measuring software (optional), can control the roughness and profile tester



test stand (optional)

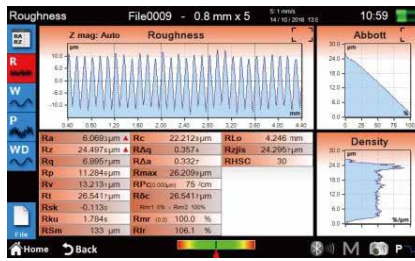


heavy duty test stand (optional)

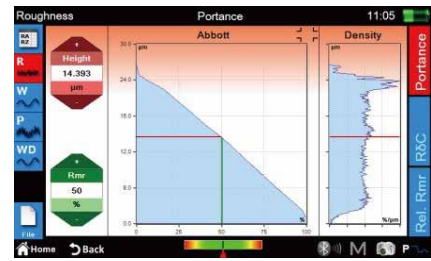
ROUGHNESS



all results



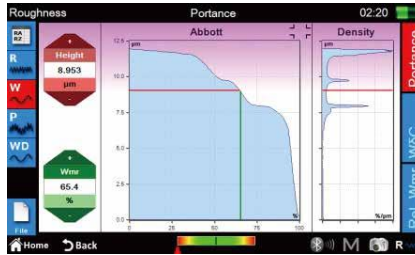
R results



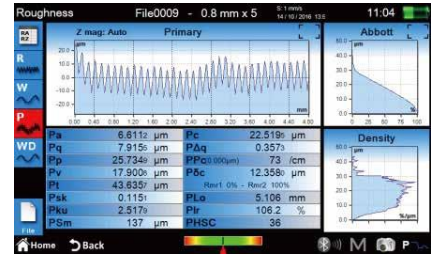
Rel. Rmr, Rb analysis



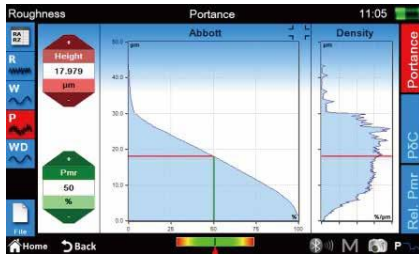
W results



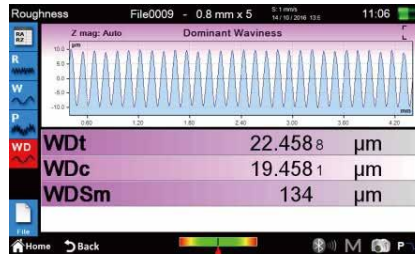
Rel. Wmr, Wb analysis



P results

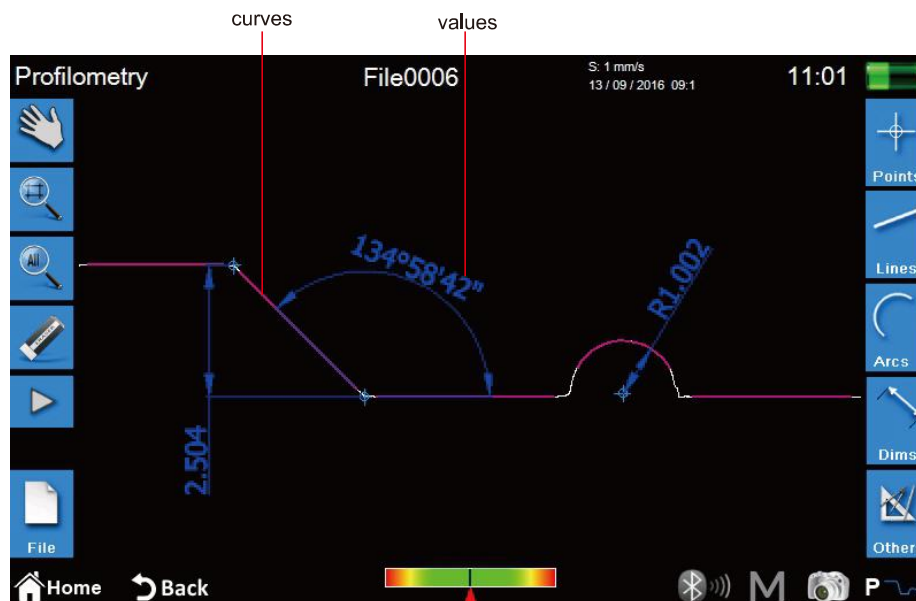


Rel. Pmr, Pbc analysis



Wdt, Wdc, WDSm results

PROFILE



ROUGHNESS MEASUREMENT SPECIFICATION

Parameters	Ra, Rz, Rq, Rp, Rv, Rt, Rsk, Rku, Rsm, Rc, RΔq, RΔa, Rmax, R _{Pc} , Rδc, Rmr, Rlr, RLo, Rzjis, RHSC, Rk, Rpk, Rvk, Pa, Pq, Pp, Pv, Pt, Pc, Psk, Pku, PSm, PΔq, Pδc, PPc, PLo, Plr, PHSC, Wa, Wz, Wq, Wp, Wv, Wt, Wsk, Wku, Wsm, Wc, WΔq, W _{Pc} , Wδc, W _{Pc} , WLo, Wlr, Wdt, WHSC, W _{Dc} , W _{Dsm} , Mr1, Mr2, A1, A2, R, AR, Rx, W, Aw, Wx, Wte, Rke, R _{pke} , R _{vke} , A1e, A2e, Mr1e, Mr2e	
Range	.059"	
Resolution (Ra)	0.0001μin	
Probe	type	inductive
	stylus radius/angle	79μin/90°
	stylus material	diamond
Measuring force	.01ozf	
Measuring unit	μin/μm	
Cut off	.003/.01/0.03/.1/.3"	
Number of cut-offs	1-20 (cut off .003/.01/0.03/.1")	
	1-6 (cut off .3")	
Measuring speed	0.25mm/s, 0.5mm/s or 1mm/s	

PROFILE MEASUREMENT SPECIFICATION

X axis measuring range	59mm
X axis resolution	0.001mm
X axis measuring accuracy	±(3.5+L/10)μm, L is measuring length in mm
Z axis measuring range	3mm
Z axis resolution	0.001mm
Z axis measuring accuracy	±(4+H)μm, H is measuring height in mm
Traverse speed	10mm/s
Probe radius	.0008"
Measuring force	.01ozf
Traceable angle	80° (upward), 70° (downward)
Measuring unit	μm/μin
Measuring speed	0.25mm/s, 0.5mm/s or 1mm/s
Output	USB, bluetooth
Power	built-in rechargeable battery
Dimension (LxWxH)	12.60x8.27x3.15"
Weight	4.85lb

STANDARD DELIVERY

Main unit	1 pc
Roughness standard probe	1 pc
Profile standard probe	1 pc
Roughness calibration block (Ra 3.9μin and Ra 117μin)	2 pc
Power adapter	1 pc

OPTIONAL ACCESSORY

Profile calibration block	ISR-S600-CLB
USB cable and software	ISR-S600-REMOTE
Bluetooth printer	ISR-S600-PRINTER
Heavy duty test stand	ISR-S600-STAND
Test stand	ISR-S1000B-STAND
Probe	see details

SPECIFICATION OF PROBES

<p>standard roughness probe (included), part no. ISR-S600-P1A</p>	<p>standard profile probe (included), part no. ISR-S600-P2A</p>	
<p>roughness 79μin/60° probe (optional), part no. ISR-S600-P3A</p>	<p>roughness small hole probe (optional), part no. ISR-S600-P4A</p>	<p>roughness deep groove probe (optional), part no. ISR-S600-P5A</p>