RP150RS ROUGHNESS AND CONTOUR MEASURING MACHINE

- Can make double side measurement
- Can measure the surface profile and roughness with same probe at same time
- With high precision and good linearity digital probe
- Easy to install and replace without calibration
- Stylus can contact, lift and return automatically
- CAD file can be exported and imported
- Multilingual version software: Chinese, English, Russian





stage
(code: **RP100RS-STAGE**)



roughness calibration block



Ø35mm ring gauge



vice



profile calibration block



Φ0.6*4mm double side stylus



Φ1*15mm double side stylus



Φ3*24mm point stylus



Φ3*24mm knife stylus

RP150RS PROFILE AND ROUGHNESS MEASURING MACHINE

SPECIFICATION

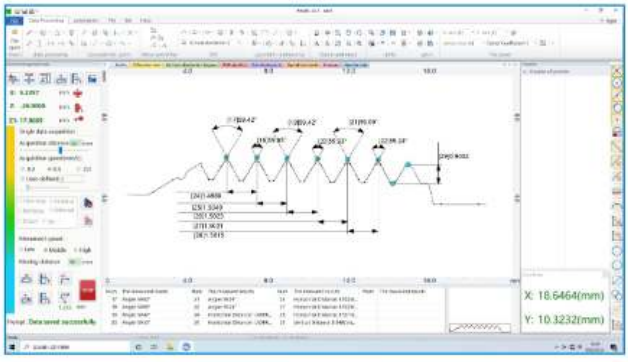
Measuring object		profile and roughness
Roughness parameter		**Ra, Rq, Rz(Ry), R3z, Rz(DIN), Rz(JIS), Rz(ISO), Rp, Rv, Rt, Rsk, Rsm, Rc, Rpm, Rku, Rdq, Roc, Mr1, Mr2, Rpk, Rvk, Rk, Rdc, A1, A2, R, Rx, AR, Rcp, Rmax**
Wave parameter		**wt, wa, wp, wv, wq, wc, wku, wsk, w, wx, wz, wsm, wdc, wte, wmr, Aw, c(wmr), wmr(c), wdq**
Profile parameter		**Pt, Pa, Pp, Pv, Pq, Pc, Pku, Psk, Pdq/p△q, Psm, Pdc, Pmr(c), Pz, pmr, C(pmr)**
Profile	**X** axis range	150mm
	X axis straightness	0.8μm/100mm
	Z axis range	450mm
	Z1 axis range (probe)	±30mm
	Accuracy	±(0.8+0.12H)um, H is measuring height in mm
	Measuring arc accuracy	±(1.5+R/8)um, R is measuring radius in mm
	Measuring angle accuracy	±2'
	Measuring tread range	M2-M100
	Measuring tread accuracy	≤±(4+0.04H)μm, column moving
		≤±(4+0.02H)μm (inner thread≤100mm outer thread ≤30mm), column no moving
Roughness	**Z1** axis range (probe)	±30mm
	Accuracy	±5%
	Repeatability	±3%
	Resolution	0.0001um
	Number of cut-offs	3-7
	Cut off	0.025, 0.08, 0.25, 0.8, 2.5, 8mm
Climbing ability		77°(up), 88°(down)
Measuring speed		0.02mm-2.0mm/s
Measuring mode		probe movement
Movement control		joystick
Power supply		220V
Size		985x710x1450mm

INCLUDED ACCESSORIES

Main unit	1pc
Profile calibration block	1pc
Roughness calibration block	1pc
Stage (code: RP100RS-STAGE)	1pc
Vise	1pc
Ø35mm ring gauge	1pc
Ø0.6x4mm double side stylus	1pc
Ø1x15mm double side stylus	3pcs

Ø3x24mm R0.025mm knife stylus	2pcs
Ø3x24mm R5μm point stylus	1pc
Ø8x150mm measuring rod	2pcs
Computer	1pc
Printer	1pc
Stylus adapter	2pcs
UPS	1pc
Electronic balance	1pc

Measuring profile



Measuring roughness

