



SURFACE ROUGHNESS TESTER

DRT-320



INTRODUCTION :

Our DRT320 is a new designed model of Surface Roughness Tester which have total 28 parameters, and it is in line with international quality standard. It is a upgraded model adopting the newest and the most mainstream processing chip. DRT320 equipped with 2.7 inch OLED screen, bluetooth communication, SD memory card, wireless remote controlling measurement and RS232/micro USB data port, which makes the quality improved significantly.

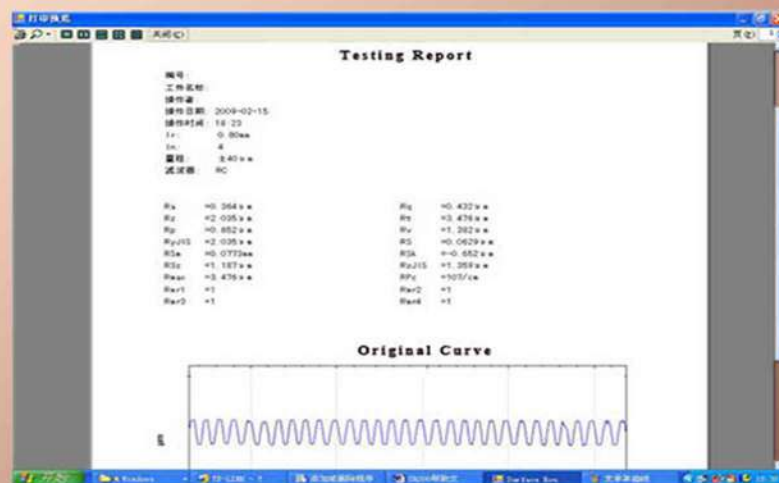
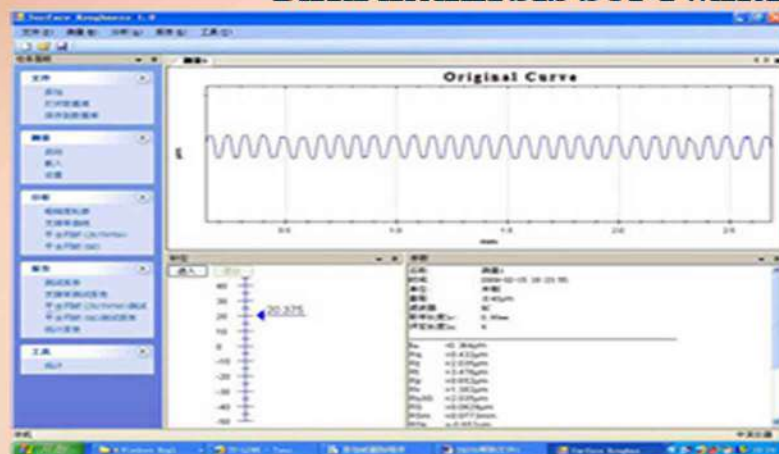
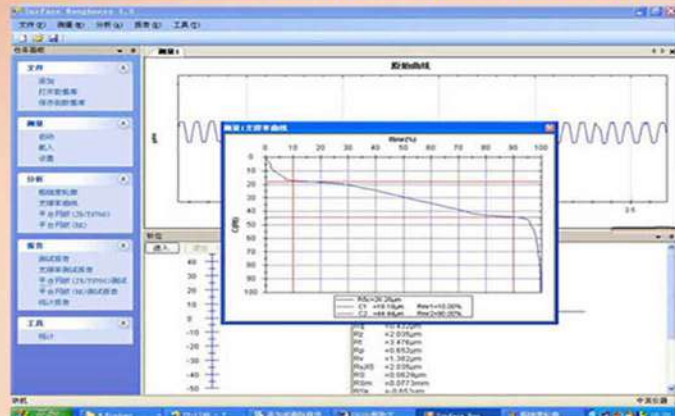
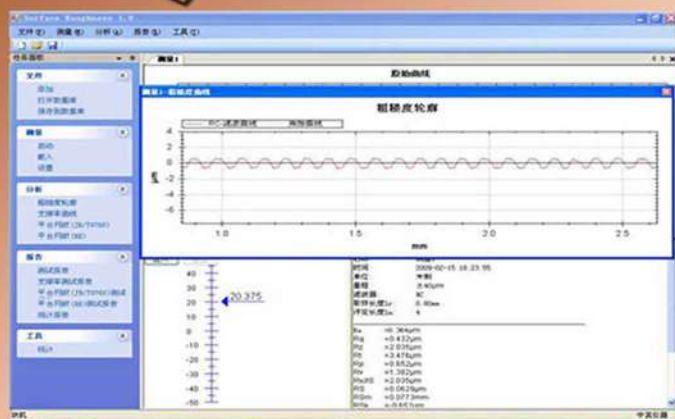
DR320 is applicable to the on-site production environment and meet the need of mobile measurement. With convenient operation, comprehensive functions, quick measurement, stable performance, it can measure all the main international parameters and also has feature with optional accessories, enable to connect to PC and Bluetooth printer.

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

MODEL		DRT-320
Roughness Paramater		Ra, Rq, Rz, Rt, Rp, Rv, RS, RSm, Rz(JIS), Ry(JIS), RSk, R3z, Rmax, RPC, Rmr, Rku, RDa, RΔq, Rδc, Ry, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, V0
Assessed Profiles Graphic		Roughness profile, Material Ratio Curve, Direct Profile
Probe	Pick-Up Detector	TS100 Standard Model (* Opt. TS100P, TS110, TS120, TS131)
	Principle	Inductive (differential inductance)
	Stylus	Natural Diamond, Cone Angle 90°, 5µm Tip Radius
	Force	< 4 mN
	Skid	Ruby, Longitudinal Radius 40mm
Pick-Up Measuring Range		±20µm / ±40µm / ±80µm / ±160µm
Traversing Speed		lr=0.25,Vt=0.15mm/s ; lr=0.8,Vt=0.5mm/s ; lr=2.5,Vt=1mm/s ; Return Vt=1mm/s
Tracing Length (Lt)		(1~5) L * 2L (selectable)
Evaluation Length (Ln)		1~5 L (selectable)
Cut-off Length (lr)		0.25 / 0.8 / 2.5mm
Digital Filter		RC, PC-RC, Gauss, D-P
Data Output		USB/*RS-232 / direct to bluetooth printer or PC
Unit		mm / Inch
Power Supply		Built-in Lithium ion battery (rechargeable & changeable)
		Equipped with AC adapter 8.4V, 800mA
		Equipped with charging protection circuit
Driving Length		1.3 ~ 17.5mm
Repeatability		≤ 6 %
Accuracy		≤ ±10 %
Display	Resolution	0.001 µm
	Size	2.7-inch large screen with 128 × 64 dot matrix OLED display (can display full parameters, contour graphs and menu)
Measuring Range		Ra : 0.025 ~ 12.5 µm
Carried Standard		Conforms to ISO,ANSI,DIN,JIS
Packaging Dimension		Approx. 38 x 25 x 10 cm
Packing Weight		3 Kgs





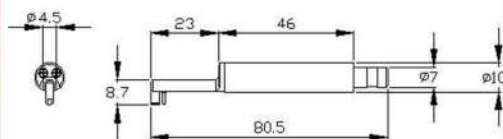
PICK-UP DETECTOR

TS-100

for general use



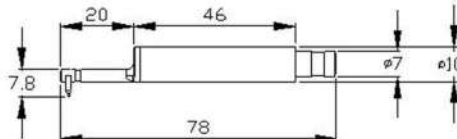
Standard pick-up
With skid for plane surfaces, Shafts and in bores
from Ø5mm. Max. depth 22mm.

**TS-110**

for curved surface



Pick-up with side skid
(Must be used with measuring stand)
For measuring on convex and concave
surfaces. Min. curvature radius 3mm.

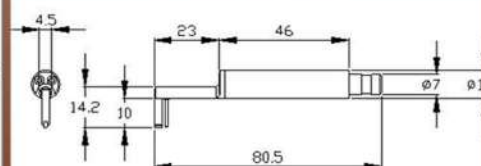


TS-131

for deep groove



(Must be used with measuring stand)
for measuring deep grooves or
steps < 10mm & Max. width 2mm.

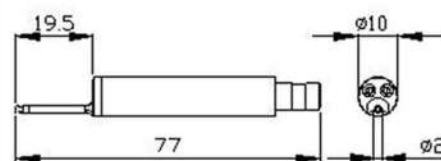


TS-120

for small holes



equipped with mini skid.
for measuring in bores from $\varnothing 2.1\text{mm}$
max. bore depth 20mm.



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