KASON330 High-Precision Surface Roughness Meter (22 paremeters)

Overview:

KASON330 Precision Roughness Tester is a high-precision surface finish testing instrument that can measure the roughness of various machined parts surfaces, including planes, bevels, outer cylindrical surfaces, curved surfaces, small holes, grooves and axles.

Main Features:

1. Mechatronic design, small size, light weight and easy to use;
2. Use DSP chip for control and data processing, fast speed and low power consumption;
3. Compatible with multiple national standards such as ISO, DIN, ANSI and JIS;
4. Continuous working time is more than 20 hours
5. Ultra-large data storage capacity, capable of storing 100 sets of original data and waveforms.
6. Real-time clock setting and display, convenient for data recording and storage.
7. With power saving functions such as automatic sleep and automatic shutdown
8. Reliable anti-motor dead circuit and software design
9. Display measurement information, menu prompt information, error information, power on/off and other prompt information;
10. ·Chinese/English language selection;
11. Can be connected to computer and printer;
12. Print all parameters or print any parameters set by the user. (Display and print all parameter values, support rate curve, waveform)
13. Optional Bluetooth function.
14. ·Optional accessories include curved surface sensor, small hole sensor, measuring platform, sensor sheath, extension rod, etc.

Technical Parameters

Item KASON330		Specification
Measurement scope	Z-axis (vertical)	160 μm
	X-axis (level)	17.5mm
Resolution	Z-axis (vertical)	0.01 μm / ± 20 μm
		0.02 μm / ± 40 μm
		0.04 μm / ± 80 μm
Measurement project	parameter	Ra Rz==Ry(JIS) Rq Rt==Rmax Rp Rv R3z R3y Rz(JIS) Rs Rsk Rku Rsm Rmr RPc Rk Rpk Rvk Mr1 Mr2
	standard	ISO,ANSI,DIN,JIS
	Graphics	Bearing ratio curve, roughness profile, direct profile
filter		RC, PC-RC, Gauss, DP
Sampling length (l r)		0.25,0.8,2.5mm
Evaluation length (ln)		L n = l r × nn = 1~5
sensor	Measuring principle	Displacement Differential Inductor
	Contact pin	Natural diamond, 90° cone angle, 5 μm \ 2 μm tip radius
	Force measurement	<4mN
	Guide head	Carbide, sliding radius 40mm
	Gliding speed	l r=0.25, Vt=0.135mm /s
		l r=0.8, Vt= 0.5mm/s
		l r=2.5, Vt= 1mm/s
		Return Vt = 1mm/s
Indication error		No more than ±10%
Indication variability		No more than 6%
power supply		Built-in lithium-ion rechargeable battery, charged with DC5V, 800mA charger
Dimensions		158x63.5x46mm
weight		About 300 g
Work Environment		temperature:- 2 0 ℃ ~ 40 ℃ Humidity: < 90% RH
Storage and transportation environment		temperature:- 40 ℃ ~ 60 ℃ Humidity: < 90% RH

Measuring range

parameter	Display Range
Ra,R	0.005 μm ~ 16 μm
Rz,R3z,Ry,Rt,Rp,Rm	0.02 μm ~ 160 μm
R	0 ~ 100%
R S, R Sm	1 mm
tp	0 ~ 100%

Standard Configuration:

· Roughness tester host 1 set

·1 sensor as standard

·1 multi-line standard block

·Adjustable bracket 1

·Power adapter 1 set

·1 instruction manual

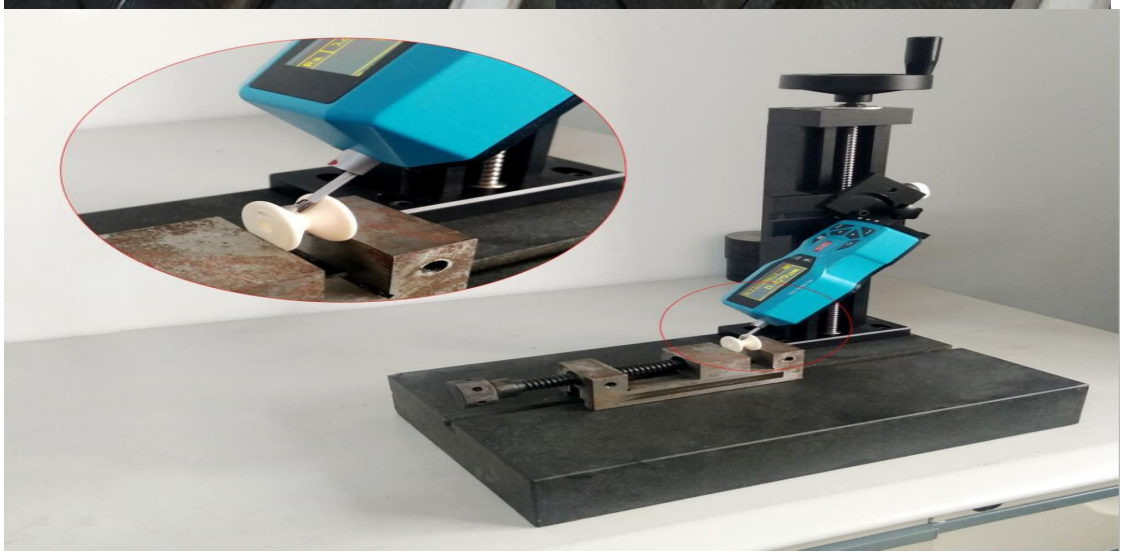
·1 certificate

Warranty card 1

Warranty period : Two years


0.898 µm


screw arbor



19 YEARS

Professional focused on testing equipment

KASON is established in 2003,owns more than 8000 square meters factory.has a professional sales teams, modem enter prise technology center,scientific and technological research and development team.

Machines passed the European CE authentication,American FDA certificate and and ISO 9001.

Products sold to USA, Canada, Australia, Europe, Africa etc,more than 130 countries and supply OEM service for many customers

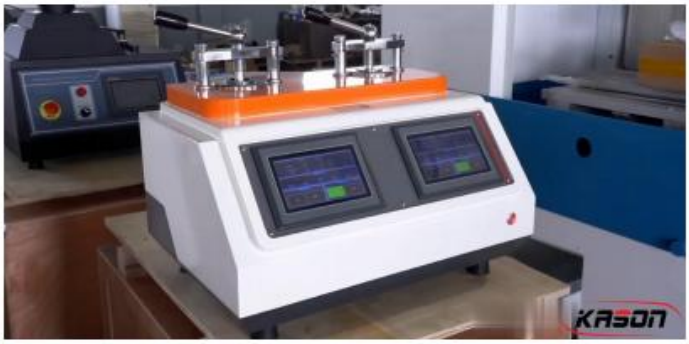
PROFESSIONAL TEAM

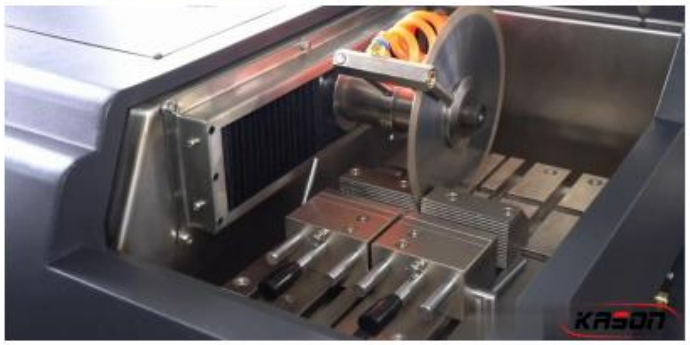
KASON has a professional sales teams, modem enter prise technology center,scientific and technological research and development team.





METALLGURGICAL PRODUCT SHOW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