

Product Presentation



Application

It is used to determine wear performance test of materials like elastic material, rubber, tires, conveyor belts, conveyor belts, shoe soles.

Feature

- Body paint baking processed, easy for maintenance;
- Color touch-screen control, digital counting, automatically stop after test finished;
- Equipped with vacuum suction port device, automatically clean dust during test.

Principle

Under certain touching pressure and contact area, sample becomes a certain angle with sandpaper and determine its abrasion performance caused by a certain level of sandpaper. Pack sandpaper outside the surface of roller. The sample is pressed against the roller with sandpaper, which makes sample lateral moving along roller. Abrasion is caused under the other side of cylindrical specimens measuring the mass loss of sample value and count the wear amount by sample density.



Key Specification

Model	GT-KB03B-1	GT-KB03B-3
Test positions	1	3
Control Mode	Touch screen controlled	
Diameter of wear wheel	150mm	
Specimen dimension	ø16.2 mm x thickness 6-10 mm	
Specimen moving speed	4.2 mm/r	
Weights	Holder 2.5N, can be used arbitrarily with optional accessory 2.5N, 5N (each for one)	
Wear wheel speed	40±1rpm	
Inclination angle	3°, Test piece support shaft of test piece becomes vertical angle with roller.	
Grit size of sandpaper	#60	
Roller length	460mm	
Wear stroke	40m	
Power supply	1 φ AC 220V 50/60HZ 3A	

Standards

DIN-53516, JIS-K6369, JIS K6264-2, GB/T 20991 section 8.3, GB/T 20265, GB20266-2006, GB/T 9867, EN ISO 20344-2020 section 8.4, AS/NZS 2210.2 section 8.3, ISO 4649, BS903-A9 Method A, ASTM D5963, ISO20871, QB/T2884, SATRA TM 193, SATRA TM174, EN 12770

Accessories

Standard accessories	1Set	2.5N weights
	1Set	5N weights
	1pc	P60# standard abrasive paper
	1pc	Standard cutting die
	1pc	Metal blob(Grinding head)
	1pc	2mm Guage
	1pc	Power line
Optional accessories	Optional	GT-G203H Electronic balance (210g,accuracy 1mg)
	Optional	Standard rubber