

WT-6010 sole abrasion tester



1. Introductions

The safety shoe sole abrasion testing machine is suitable for testing the wear and tear of elastic materials, rubber, tires, conveyor belts, transmission belts, soles, soft synthetic leather, leather and other materials. Place a sample with a diameter of 16mm on a safety shoe sole wear tester, measure the mass loss of the sample before and after grinding, and evaluate the abrasion resistance of the sample.

2. Relative test methods

GB/T20991 / ISO 20344 personal protective equipment—test methods for footwear

DIN 53516 determination of abrasion resistance

GB/T 9867 / ISO 4649 rubber, vulcanized or thermoplastic—determination of abrasion resistance using a rotating cylindrical drum device

ASTM D5963 standard test method for rubber property—abrasion resistance (rotary drum abrader)

ISO 20344 personal protective equipment—test methods for footwear

SATRA TM174 abrasion resistance-rotating drum method

3. Specifications

No.	Item	Spec.
1	Length of drum	460mm
2	Force	2.5N ± 0.02N, 5N ± 0.02N, 10N ± 0.02N
3	Particle size of grinding wheel	VSM-KK511X-P60
4	Sandpaper size	410x474mm
5	Counter	0-9999
6	Button	Metal LED button
7	Abrasion method	Rotate and non-rotate
8	Stroke	40m
9	Weight	83kg
10	Dimension	800x400x350mm
11	Voltage	220V ± 10%, 50/60Hz