

Load Wheel Rolling Tester for Material Durability

This precision instrument evaluates rolling resistance and material durability under load. Adjustable weights simulate various conditions, while the system measures rolling force and distance for research, development, and industrial use.



Product Overview

Precision Material Durability Testing

The Load Wheel Rolling Tester is a specialized instrument engineered to evaluate the durability and asphalt content of emulsified asphalt slurry seal mixtures. Designed in accordance with industry standards for highway engineering, it provides critical data for determining optimal asphalt quantities and setting usage limits. This robust machine ensures reliable, repeatable results for material characterization and quality control in research and industrial applications.

Technical Specifications

Performance Metrics

1400 RPM

Motor Rotation Speed

44 times/min

Rolling Frequency

56.7 kg

Total Loading Weight

550 W

Motor Power

Mechanical Dimensions

Parameter	Value
Crank Radius	150 mm
Vehicle Moving Distance	300 mm
Rubber Wheel Hardness	70
Sample Plate Dimensions	77 mm x 407 mm

Available Test Mold Thicknesses

- 3
- 5
- 6
- 8
- 10

Standards & Compliance

Standards Compliance	JTJ052 Specification, T0755 Standard
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Power Requirements

Power Supply	Three phases, 380 V/50 Hz
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