

# Automatic Wheel Tracking Tester for Asphalt

This automatic wheel tracking tester evaluates the rutting resistance of asphalt mixtures in high-temperature conditions. The equipment simulates repeated wheel loads on pavement surfaces, offering data for assessing the durability and performance of asphalt materials.



## Overview

### Advanced Asphalt Rutting Analysis

The Automatic Wheel Tracking Tester is a precision research instrument designed to evaluate the rutting resistance of bituminous mixtures at high temperatures. It simulates real-world road conditions by applying repeated wheel loads, making it an essential tool for highway engineering, material research, and quality control. With advanced microprocessor control, simultaneous dual-mold testing, and precise temperature regulation, this system provides reliable, data-driven insights into pavement durability.

## Technical Specifications

Rolling Speed	42 times/min
Displacement Measurement Range	30 mm
Displacement Accuracy	< ±0.005 mm
Test Duration Range	60-240 minutes
Temperature Control Accuracy	0.5 °C
Rolling Wheel Rubber Hardness	78 Shore
Rolling Wheel Pressure	0.7 Mpa
Power Supply	380 V, 50 Hz

## Equipment Dimensions

Main Unit Dimensions	1510 x 1058 x 1460 mm
Total Weight	300 kg
Test Mold Dimensions	300 x 300 x 50 mm

## Key Features

Standard Compliance	JTJ052 • T0719-2000
Primary Capabilities	Dual-mold testing, Water immersion capability, High-precision A/D conversion, Real-time curve plotting, Absolute temperature sensing