

Gravel Impact Simulation Machine

This testing machine simulates driving conditions where vehicle parts are impacted by road debris. It uses a pressurized air system to propel projectiles at controlled velocities, measuring impact energy and assessing damage.



Overview

Gravel Impact Simulation Machine

This test machine simulates real-world driving conditions where vehicle body parts are subjected to impacts from road debris and gravel. By utilizing a controlled high-speed airflow and a vibration-fed delivery system, it accurately replicates the damage caused by sharp projectiles on coated surfaces. This instrument is essential for assessing the durability and resistance of automotive coatings, providing reliable data for quality control and material development.

Standards & Compliance

Supported Standards

SAE J400, VDA 621427, ISO 20567-1, ASTM D3170, GMW14668-3.4.9, Peugeot/Citroen D241312, Chrysler 463PB-52-01, Chrysler 463PB-39-01, Mazda MES MN 601C, Toyota, Nissan, Ford BI 157-04, Ford BI 157-05

Technical Features

Safety Certifications

CE Certified • EMC Certified

Operational Modes

- Continuous operation
- Intermittent operation

Sample Angle Adjustment

0-90° at 15° intervals

Control System

Touch screen interface with electromagnetic vibration feeder