

Jevol

RST1600

Surface mount suspension tester
(3 ton)



Model: RST1600

Product: Suspension tester

Description: The RST1600 is used to inspect the shock absorption performance of vehicles with a total weight of 3 tons.

Features:	Benefits:
Surface mount	No need the pit foundation
Ultra thin suspension tester	Space saving
Can be used on it own or as part of a mobile test lane	Multiple use
Design according to EUSAMA	The core of EUSAMA testing method is safety of a vehicle, which is usually defined in terms of tyre grip on road surface. In a course of testing, EUSAMA value is measured as a minimum percentage of remnant vertical tyre contact force between the tyre and the vibration platform during vertical oscillation of the wheel.
Auto-stop in case of over load	Protection feature to prevent damage to the motors.
Start from 23Hz	Simulates real life road highest vibration
Low noise design	Reduces the vibration interference
Load Simulation	Can simulate various loads to replicate different driving conditions, such as passenger occupancy, cargo weight, or trailer towing. This allows for comprehensive testing.
Adjustable Test Parameters	Have adjustable settings to customize the testing parameters, including the rate of displacement, frequency, and amplitude of the road surface simulation.
Realistic Road Surface Simulation	They use hydraulic actuators or other mechanisms to reproduce real-world road conditions, including bumps, potholes, and rough terrain, providing a more accurate assessment of suspension performance.
Computer Interface	Come with computer interfaces and software for easy control, data visualization, and analysis. This allows for precise measurements and the generation of comprehensive report
	Improved Ride Quality: Suspension testers help identify and diagnose suspension issues that can affect ride quality. By pinpointing problems, technicians can make adjustments or repairs to ensure a smoother and more comfortable ride.



Colors and designs may differ

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	Enhanced Handling and Stability: Identifying suspension problems can lead to improved vehicle handling and stability. Properly functioning suspension components are critical for safe and predictable vehicle control.
	Reduced Tyre Wear: A well-maintained suspension system reduces uneven tyre wear, extending the life of tyres and reducing overall operating costs.
	Fuel Efficiency: A properly functioning suspension system can contribute to better fuel efficiency by optimizing tyre contact with the road surface and reducing rolling resistance.
	Safety: Identifying and fixing suspension issues can enhance vehicle safety by ensuring that the vehicle responds predictably to steering and braking inputs, especially in emergency situations.
	Preventive Maintenance: Regular suspension testing can help catch and address potential problems before they become severe, preventing costly breakdowns and repairs.
	Compliance and Certification: Some industries and regulatory bodies require suspension testing for compliance and certification purposes, ensuring vehicles meet safety and performance standards.
	Customization: Suspension testers allow for customization of suspension setups to meet specific performance requirements or to fine-tune a vehicle's ride and handling characteristics.
Training available	Technicians can be professionally trained to use the machine and get the maximum benefit from it.
1 year warranty	The machine will be repaired if there are any factory faults and can be replaced if required.
Spares available	Should you have a breakdown you will not have to wait for your equipment to be repaired. If there is anything we don't have, we fly it in directly from the Suppliers.



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Technical Information	
Axle load	3Ton
Power supply	380V / 50 HZ
Motor power	1.5kwx2
Track	880-2200mm
Amplitude	6mm
Frequency	23H
Packaging dimensions 1/4	970*290*350 mm
Packaging weight 1/4	230 kg
Packaging dimensions 2/4	970*290*350 mm
Packaging weight 2/4	230 kg
Packaging dimensions 3/4	600*640*350 mm
Packaging weight 3/4	20 kg
Packaging dimensions 4/4	720*720*1300 mm
Packaging weight 4/4	90kg

