

TSR-4500W Vehicle Test Lane

(Can test both 2WD and 4WD cars)

★ Measurement Items

Brake Force (N)

Axle Brake Efficiency (%)

Sum Brake Efficiency (%)

Axle Brake Unbalance (%)

Friction Efficiency (%)

Axle Load (kg)

Grip Rate (%)

Sideslip (mm)





Sideslip Tester

- ▶ With relax plate can decrease the pulling force, making the testing more accurate.
- ▶ High precise sensor ensure the accurate more than 0.1mm.



Suspension Tester

- ▶ Design according to EUSAMA.
- ▶ Check the vehicle road grip, shock absorber performance
- ▶ It can auto-stop in case of over-loaded.
- ▶ Start from 23Hz, it can simulate the real road highest vibration.
- ▶ Low-noise design reduces the vibration interference.



Brake Tester

- ▶ The corundum roller surface with high adhesion coefficient, which near the road condition and has more than 200,000 lifespan. Independent safety system can automatically stop motor in case of tyre slip and to protect the tyre.
- ▶ The rear roller is higher than the front roller, it can avoiding the vehicle drive out of the bench during testing.
- ▶ Accessory cover ensure the installed bench area like the smooth earth.



Control System

- ▶ Embedded industrial computer
- ▶ CPU: 2.4G
- ▶ Memory: 1G
- ▶ Hard disk: 160G
- ▶ Monitor: LCD 19"
- ▶ Printer: A4 Inkjet

- ▶ **Industrial computer has high anti-interference and anti-vibration performance. With good heat dissipation performance and long life time.**







Technical Parameters:

Items	Brake Tester	Suspension Tester	Sideslip Tester
Max axle load	3.5T	3.5T	3.5T
Testing Speed	3.7km/h	/	3~5 km/h
Power supply	380V 50HZ	380V / 50HZ	220V / 50HZ
Motor	3kw×2	1.5 KW X 2	/
Roller diameter	200mm	/	/
Roller length	700mm	/	/
Testing range	0-9000N	/	±15mm
Adhesion coefficient	0.8	/	/
Frequency	/	23HZ	/
Amplitude	/	6mm	/
Air pressure	/	/	/
Dimensions (L×W×H)	2400 X 720 X 286mm	2400 X 520 X 286mm	800X460X60mm
Weight(KG)	500kg	350kg	55kg



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<p>Sideslip Testing</p>	<p>Suspension Testing</p>
	
<p>Weight Testing</p>	<p>Brake Testing</p>
	
<p>Speedometer Testing</p>	<p>Customized Test Report</p>