

The Break Tester has a sturdy structure and sophisticated system of sensors, with the roller unit having a hot-dipped galvanised chassis. The brake tester is available with durable long-life rollers, which give a coefficient of friction comparable to a road surface. The roller units are extra wide to accommodate all vehicles of a type. The brake force is measured with strain gauge transducers. A speed sensor measures the roller speed to ensure that the percentage of slippage is correct. The gearbox has an auto-lock function, which aids in driving the vehicle out of the rollers at the end of the test.



The roller units are fitted with sensors detecting the presence of a wheel set on the rollers. This system prevents the rollers from starting accidentally. The motor automatically stops in case of tyre slipping, thus preventing damage to the tyres.



The 3T bench comes with a cover to shut the rollers when not in use, thus providing a smooth surface for other uses.



The bench comes with an optional feature to measure the weight of the vehicle.



The 10T bench is equipped with an Air Bag. It automatically stops working in case of vehicle overload, to prevent equipment damage.



The compact monoblock design is space-saving and easy to maintain



Split-Bed type brake tester is also available for separate installation. It has the same functionality as the mono-block type tester.

Item	3T Brake Tester	5T Brake Tester	10T Brake Tester	
Model	RRT-2500		RRT-5000	RRT-7500
Axle load	3T		5T	10T
Motor power	3kw x2		7.5kw x2	11kw x2
Power Supply	380V/220V		380V/220V	380V/220V
Testing Speed	2.5km/H		2.5km/H	2.5km/H
Testing Range	0~9KN		0~15KN	0~30KN
Track	800~200mm		800~2700mm	800~2700mm
Roller Diameter	245mm	245mm	245mm	
Roller Length	750mm		1000mm	1000mm

The sideslip tester provides a quick method to check the dynamic toe of the vehicle and will help take a qualified decision if alignment of the wheels is needed. A well designed sideslip tester to be installed as a useful part of a test lane. The simple operation only requires the vehicle to be driven through the bench to check vehicle deviation.

Some salient features:

- Accurately measures up to a range of 0.1mm
- Checks and displays the vehicle deviation, toe-in, and speed on the monitor
- Optional Wireless module available, thus making the bench mobile



SIDESLIP TESTER

Item	Sideslip
Model	RSS-500 / RSS-700
Axle load	3T/10T
Testing Speed	5kM/h
Testing Range	15mm~15mm
Testing Plate Length	500mm / 1000mm

The suspension tester provides a very good indication of the condition of the shock absorbers and the suspension in general. The fully automatic test sequence and measurements are carried out in accordance with the EUSAMA principle. Due to extremely quiet operation of the tester, noises that arise during the simulation process in the vehicle can be detected and localised without problem. After the fault is rectified, the success of the work can be checked by the same simulation.

Some salient features:

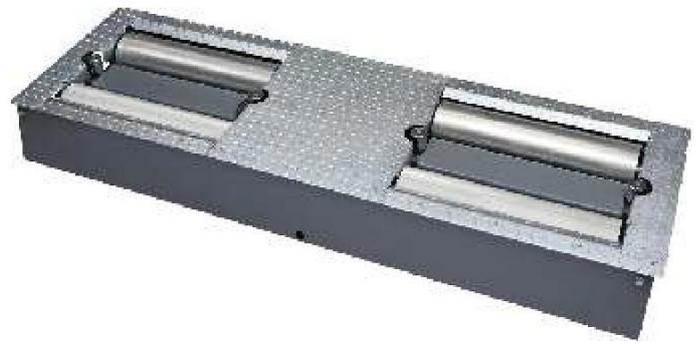
- Low Noise design ensures minimum vibration interference
- Ultra- thin design doesn't require a pit, and is capable of testing a chassis height of 80mm onwards
- The suspension tester simulates real road condition, thus ensuring accurate results



ULTRA-THIN SUSPENSION TESTER

Item	Sideslip
Model	RST-1500
Axle load	3T
Motor Power	1.55kWx2
Power Supply	380V/220V
Testing Frequency	23HZ
Amplitude	6mm

Constructed using heavy-duty structural steel frames, precision machined and dynamically balanced rollers and quality bearings and belts, the speedometer tester is built to last. The Tester Software provides for speedometer tests from 0 to 125 mph and makes certifying and calibrating speedometers simple and easy.



The rollers simulate real road conditions and have excellent build quality for a long life. The bench is fitted with a safety device in case of tyre slipping or rim wear during high speed testing. The wheels of the vehicle are lifted up when not in motion to aid drive out

The 3T bench comes with a cover to shut the rollers when not in use, thus providing a smooth surface for other uses.

Item	3T Speedometer Tester	10T Speedometer Tester
Model	RSP-1200	RSP-2400
Axle load	3T	10T
Air pressure	0.8Mpa	0.8Mpa
Power Supply	220V	220V
Testing Range	0~120km/h	0~120km/h
Roller size	ø 190X750mm	ø 190X1000mm

The Play Detector is one of the easiest ways to determine faults and wear at steering parts, wheel bearings, spring systems and mounting suspensions. With the control lamp, the technician can visually check play in the components of the vehicle. All platform movements are operated independently from one another.

Some salient features:

- Ultra-thin design doesn't require a pit, and is capable of testing a chassis height of 140mm for 10T, and 70mm for 3T onwards
- capable of testing a chassis height of 140mm for 10T, and 70mm for 3T onwards
- High strength hydraulic pump
- Two plate movements – Main plate does a longitudinal and cross movement, second plate does longitudinal movement.



Item	Play Detector
Model	PDT-500/ PDT700
Load	3T / 10T
Motor Power	1.5kW
Power Supply	380V/220V
Movement plates	-50mm~50mm
Hydraulic Pressure	16Mpa

The exhaust gas analyser is used to test emissions from a Petrol Vehicle. Gas Analyzer is for measuring CO, HC and CO₂ in automotive emission by the principle of non-dividing infrared absorption. This instrument is equipped with gas bench with an embedded microprocessor. It is an intellectual instrument with liquid crystal display and English interface. Inductive RPM (engine-speed) measuring pliers, oil temperature sensor and printer are optional for measuring RPM and oil temperature and printing measurement results.



EXHAUST GAS ANALYSER

Technical Specification:

HC (Hexane Equivalent)	0 to 15000 ppm
CO	0% to 10%
CO ₂	0% to 20%
O ₂	0% to 25%
NO (Optional)	0 to 4000 ppm

Printer Optional*

Approved by ARAI

DIESEL SMOKE METER

The Diesel Smoke Meter is a high quality microprocessor based instrument that combines optical precision with a robust design to give long and trouble free service. The equipment can be easily mounted on a free moving trolley for easy mobility. It also has the option of adding Non Thermal Paper Printer for printing a record of the test results. One of the most outstanding features of this equipment is its ability to operate on 220V AC or a 12DC vehicle battery.



DIESEL SMOKE METER

Technical Specification

Principal of Operation	Attenuation of Light Beam
Measurement Range Opacity% (N)	0-99.9 with 0.1% resolution
RPM Range	400 - 9999
Heating unit	5 min (at room temperature 25 ° C)
Display & Key pad	Backlit LCD Display Keypad
Power Supply	110-240V AC
Weight	8 kgs

Printer Optional*

Approved by ARAI



Measurement Items:

Luminous Intensity
Elevation
Optic Axis Deviation

Some salient features:

- Laser positioning
- Equipped with additional battery
- LCD screen
- Automatically indicates the adjustment direction
- Low cost and easy to operate

Item	Item Parameters
Measuring Range	Parameters Central Height of Headlight: 50cm ~ 130cm Luminous Intensity: 0 ~ 120,000cd Optic Axis Deviation of high beam and low beam: Up - Down: U 1 30 ' ~D 2 30 ' (U 20cm/10m ~ D 40cm/10m) Left - Right: L 2 30 ' ~ R 2 30 ' (L40cm/10m ~ R 40cm/10m)
Measurement Accuracy	Luminous Intensity of High Beam: $\pm 12\%$ Optic Axis Deviation of High Beam: $\pm 12'$ Luminous Intensity of Low Beam: $\pm 15'$ Central Elevation of Headlight: $\pm 1\text{cm}$
Power Supply	AC 220V $\pm 10\%$ 50Hz $\pm 1\text{Hz}$ Or: DC 9V Battery / 6pcs DC 1.5V Batteries (for laser)

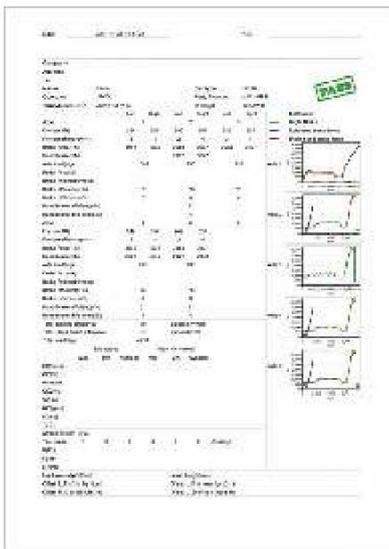
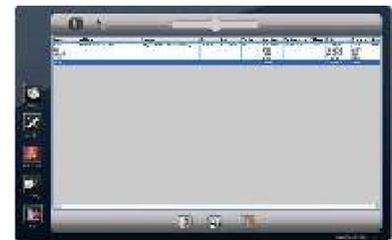


Embedded Industrial Computer

The Industrial computer is heavy duty with high anti-interference and anti-vibration performance. The system has excellent heat dissipation capability, and has a long life. All-In-One Computer
A4 Laser Printer

Digital Display

The digital meter shows the testing results instantly after and during the test. The device has stable performance and low running cost. It is equipped with a micro-printer which prints out the test result. The data can be easily transferred to a PC.



- The Digital and Pointer dual display show the test results in readable form instantly.
- The self-diagnostic software automatically checks the equipment fitness before testing
- Process demo and help readily available, making it highly user friendly
- Software capable of receiving results directly from headlight tester, gas analyser and sound tester
- The test report has a simple readable and customizable format
- The database can search, delete, backup and restore the testing data
- Multiple language options

The platform test bench is a movable set up. The installation and testing is quick and accurate. This two-platform system helps accurately measure the Breaks, Axle Weight and Side Slip.



Some salient features:

- Completes and operation and produces result within 30 seconds
- The system is easy to operate, and only requires the car to be driven through
- The break plate surface simulates actual road condition
- Digging a pit is optional; the system can be appended with a ramp



TWO PLATFORM

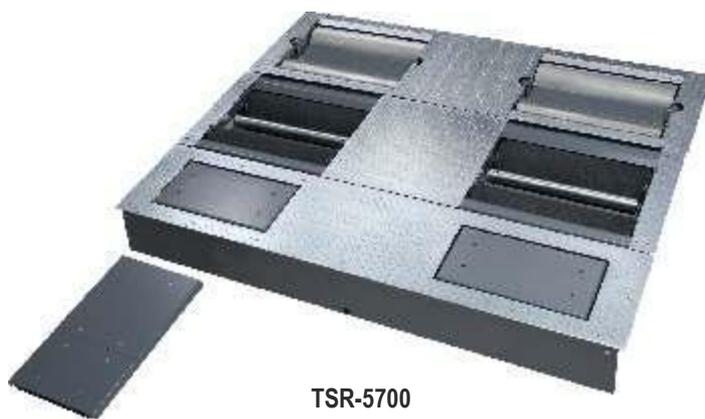
Item	3T Two Platform	10T Two Platform
Model	PBT-2200	PBT-7700
Axle load	3T	10T
Testing Speed	15km/h	15km/h
Power Supply	220V	220V
Power	0.8kW	0.8kW
Brake Testing Range	0~9kN	0~30kN
Sideslip Testing Range	-15mm~15mm	-15mm~15mm



TSR-3000
3T 3-IN-1 VEHICLE TEST LANE



TSR-4500
3T 4-IN-1 VEHICLE TEST LANE



TSR-5700
3T 5-in-1 Vehicle Test Lane

Product combination	Description
3-in-1 Brake Test Lane	Brake test bench with Loadcell Sideslip bench Measuring Item: Brake; Weight; Sideslip
4-in-1 Brake Test Lane	Brake test bench Suspension test bench with Loadcell Sideslip bench Measuring Item: Brake; Weight; Suspension; Sideslip
5-in-1 Brake Test Lane	Brake test bench Suspension test bench with Loadcell Sideslip bench Speedometer bench Measuring Item: Brake; Weight; Suspension; Sideslip; Speedometer

