

LMS 20 - Suspension Tester

MBT 7250 - Roller Brake Tester

MBT 5250 - Roller Brake Tester

MBT 5251 - Mobile Roller Brake Tester

MET 6.3 - Emission Tester

MLT 1000 - Headlight Tester



Suspended Ceiling Pits



RTA Pits



Pit Protection



Pit Upgrades

Headlight Testers

Correct headlight alignment ensures good vision at night while preventing on-coming traffic from being dazzled.

To determine the headline alignment precisely, vehicle workshops and inspection organisations rely on the precision of their headlight testers. In this regard, the analogue headlight tester MLT series sets new standards in its class.

MLT 1000 Features Include:

- User-friendly operation - A well-organised device structure guarantees simple and intuitive use.
- Robust, no-maintenance design - A tried-and-tested device design with non-wearing precision guide pillar promises a long service life, even for high-frequency use.
- Ergonomic handling - A counter-weight has been integrated into the pillar to allow the measurement housing to be lowered and raised with one hand in a smooth gliding movement, supported by a ball bearing.
- Easy to position in front of vehicle - The large Fresnel lens enables the unit to be positioned in front of the headlights correctly and with ease. It is often possible to inspect multiple light sources without having to reposition the unit each time.
- Helpful options - For precise alignment to the vehicle's longitudinal axis, a laser alignment unit is available as an optional alternative to the mirror. The unit moves between the vehicle's headlights with full directional stability thanks to individual rails, which are available in various models.



Headlight Tester Benefits Include:

- Rapid and precise testing of headlight alignment
- User-friendly, intuitive operation
- High-precision measurements thanks to the use of a premium-quality guide pillar
- Available on rollers or rail system
- Various country-specific models available
- Quick and accurate testing of the headlight adjustment
- Digital data acquisition and assessment through integrated control electronics
- For headlight systems of today and the future
- User-friendly menu operation via graphical LCD display
- Electronic levelling in case of uneven conditions
- Standalone version with PC connectivity

See our website for Technical Specifications.

Vehicle Diagnostic Equipment

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Truck & Bus Suspension Testers

The LMS20/2 Suspension Play Detector is recommended for usage in combination with an inspection pit. Operation is via keypad on a wireless LED hand lamp for forward and lateral movement of the test plate.

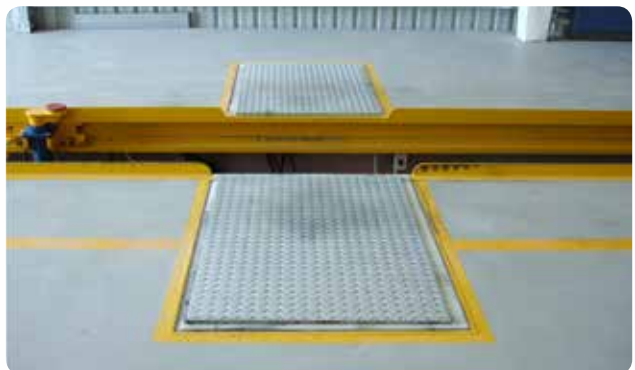
Benefits & Features Of The LMS20/2 Suspension Tester

- Two test plates installed at floor level in the foundation
- Slide bearing on a hard-chromed circular guide
- Defects and wear quickly determined on steering parts,
- One-handed operation, no pit jack required
- Cable-free radio hand lamp RHL II for controlling longitudinal and transverse movements of the test plates
- Longitudinal and transverse counter movement



Suspension Tester Features:

- Rapid inspection of steering leakage, wheel bearings and suspension
- One-man operation
- Raising of vehicle not necessary for wheel bearing inspection
- Extremely rugged, self-supporting design
- Two flush-mounted test plates
- Hydraulic drive ensures powerful, smooth movement
- Low maintenance requirements



Technical Specifications

Max. axle load	20t
Max. axle load per side	10t
Test plate movement	100mm
Hydraulic fluid quantity	15L
Test plate dimensions (L x W x D)	740 x 740 x 232mm
Max. thrust per side	30kN
Max. pressure per side	120 bar
Motor power	2.5kW
Power supply	3 x 400 V/N/PE 50 Hz
Fuse Protection	16 A

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Roller Brake Testers

Recommended by vehicle manufacturers and used by international testing organisations in continuous operation, the MBT Series of Maha Brake Testers are the world's most commonly used brake testers and are specifically used for truck and bus diagnostics.

The optimised roller set dimensions make these testers versatile for truck, bus and car testing. These test benches can be upgraded with many accessories and offer a wide range of diagnostics options when vehicle volumes are high.

The display design can be either analog or a digital version with a PC and can be extended to include a test lane.

MBT Roller Brake Tester Benefits

- Fully automatic testing with user guidance
- Digital data acquisition and storage
- Modular design
- Patented, correct 4WD testing
- Robust, service-friendly technology
- Network Ready
- CE Certified

Technical Specification:

Roller Set	MBT 7250	MBT 5250
Authorized axle load (minimum height)	18t	18t
Drive power of motors	2 x 11 kW/16 kW*	2 x 11 kW/16 kW*
Test speed	3 km/h	2.3 km/h
Roller length	1150mm	1190mm
Roller diameter	265mm	152mm
Roller center distance	475mm	475mm
Electrical connection	3 x 400V/N/PE 50/60 Hz	3 x 400V/N/PE 50/60 Hz
Fuse protection	63 A inert	63 A inert
Bearing	watertight, maintenance-free	watertight, maintenance-free
Corrosion protection	thanks to powder coating, paint: RAL 5010 or hot dip galvanized*	thanks to powder coating, paint: RAL 5010 or hot dip galvanized*
Roller set dimensions (H x D x W)	700 x 1150 x 1450 mm	700 x 1150 x 1450 mm
Weight (2 parts)	approximately 1700 kg	approximately 1600 kg



Additional Features Include:

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Auto cutoff at selected slip with pointer stop & automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- Self-supporting split roller set
- Rear roller banked by 50 mm
- Plastic coated on request
- Star-delta switching
- Splash-proof motors
- TUV and GS approved
- Lockable main switch
- Powder coating, blue RAL 5010



Mobile Brake Tester MBT-5251

For vehicles up to 18000 kg axle load

Features:

- Compact roller set version for mobile usage
- Low drive-over height of only 170 mm
- Digital measurement value recording and storage
- Durable, service-friendly technology
- Integrated dynamic weighing device

Mobile Usage

With its hydraulic lift and inbuilt generator the test station is lifted up to separate from the trailer ready for mobile usage.

Minimum Drive-over Height

Via the compact roller set version vehicles with low floor clearance can be tested trouble-free.



See our website for Technical Specifications.

Combination Emission Tester 6.3

- Analysis of the gas components HC, CO, CO₂, O₂, lambda (calculated), CO corrected (calculated), optionally NO, NO₂, NO_x
- Analysis of diesel emission turbidity coefficient (K value), particle mass concentration
- Small, lightweight (roughly 5 kg as combi-device), practical and durable
- The perfect device for mobile use: small, lightweight, power supply from vehicle, wireless connection to OBD and emission tester (optional), mobile carrying case (optional)
- Menu-driven control and easy-to-use inspection workflow (on PC)
- Just one probe, with patented rapid-action clamp, for all engine types
- 5 m probe hose (heated), also usable for diesel measurement (option)
- Large, easy-access service hatches for straightforward servicing
- Automatic notification when filters or O₂ sensors are due to be changed
- MAHA wireless OBD: wireless, lightweight and easy to use
- Wireless device communication via W-LAN (optional)
- Mains connection and power supply from on-board electrical system possible (10–30 V)
- Innovative patented water extractor
- Low power consumption thanks to intelligent energy management
- MAHA green line-certified thanks to its particularly low environmental impact
- Approval: to MID 2004/22/EC, PTB 18.9

Petrol tester module:

- Partial flow emission tester with display (basic unit) for the analysis of gas components HC, CO, CO₂, O₂ with Lambda calculation
- LAN interface (RJ 45)
- Innovative condensate separation
- Suitable for CNG-, LPG- and petrol-powered engines

Options:

- Expandable for NO_x analysis (on request)

Diesel tester module:

- Partial flow diesel emission tester with display (basic unit) for the measurement of the opacity/particle concentration
- Time-saving, user-friendly emission testing with free acceleration or engine under load
- Instantaneous or continuous measurement
- LAN interface (RJ 45)
- Innovative condensate separation



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Design • Innovation • Professional Advice