

# BRAKE TESTING TECHNOLOGY MBT 2000 SERIES

**MBT 2250 EUROSYSYSTEM**  
VP 210111



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The roller brake tester MBT 2250 EUROSYSYSTEM is designed for the brake testing of cars and vans with axle loads of up to 3.5 t and is ideal for vehicle reception and diagnostic lanes. As it is possible to connect additional EURO floor units, the brake tester can be used as a base module for the setting up of test lanes.

### **PRODUCT DETAILS/ACCESSORIES**

Description of the MBT 2250 EUROSYSYSTEM:  
Test lane-enabled roller brake tester for cars and vans with an axle load of up to 3.5 t

- Especially suitable for acceptance and diagnostic lanes
- Basic module for setting up a test lane thanks to optional possibility of connecting additional EURO floor units
- Test lane-enabled thanks to possibility of connecting MSD 3000 / MINC / TPS EURO floor units
- For cars and vans weighing up to 3.5 t and with a track width of 2200 mm, plus those weighing up to 5 t and with a track width of 2800 mm as an option
- When used with the optional lifting device, perfectly suitable for checking multi-axle car trailers.
- Comprehensive package of functions for professional testing, such as:
  - Delayed automatic switch-on after entering the tester
  - Automatic start-up monitoring supplied as standard to avoid tyre damage
  - Automatic slip cut-off with pointer stop and automatic restart already included as standard
  - Automatic exiting aid supplied as standard to enable the driven axles to conveniently exit the tester
  - Automatic cut-off after exiting the tester
  - Single-wheel switching for differentiated consideration of each wheel
- Intuitive-to-use EUROSYSYSTEM software for the highest expert standards with:
  - Round instrument display for the braking forces Additional displays for difference, decelerations, and optional scale and force sensors.
  - Integrated user guidance with easy-to-understand user instructions
  - Continuous and graphic real-time display of all the measured values using the reference values time and force.
  - EUROSYSYSTEM supplied as standard with integrated SQL Server Express database
  - Multi-user capability option for productive allocation of the individual work packages to several workstations.
  - Easy to connect additional devices such as MLT 3000 to EUROSYSYSTEM
  - Configurable test report with all the measurement and

evaluation results of the tests performed on a single print-out

- Robust and long-lasting design due to:
  - Electronic, temperature-compensated strain gauge system for highly precise measurement results under all environmental conditions
  - Roller surface welded
  - Optional, free plastic coating on the test rollers
  - 32-bit microprocessor electronics for process control and monitoring of all the safety functions
  - Lockable main switch
  - RS 232 interface connection
  - Splash-proof motors work reliably, even under high-stress environmental influences
  - Weighted test rollers with groove ball bearings ensure maximum precision and complete driving comfort and guarantee a long service life for the entire tester
  - Internationally recognised TÜV certificate as per issue 9/2011 of the Verkehrsblatt [German Transport Gazette]
  - RS 2 roller set design
  - Self-supporting closed roller set
  - Varnished with high-quality powder coating: Anthracite Grey, RAL 7016

Description of the MCD 2000 communication desk:

- Robust and multifunctional metal casing
- Integrated switch cabinet for housing electronic components
- Lockable drawer for keypad and PC mouse, plus storage compartment for small items of equipment
- VESA standard bracket for holding the all-in-one PC or PC monitor
- Can be extended with optional PC storage compartment or side shelves
- Varnished with high-quality powder coating: window grey, RAL 7040 (switch cabinet) anthracite grey, RAL 7016 (side faces)

Dimensions of  
communication desk (HxWxD)      approx. 1230 x 860 x 350 mm  
with printer compartment  
option (HxWxD)                      approx. 1560 x 860 x 420 mm

- Scope of delivery:
- MCD 2000 communication desk with integrated switch cabinet
  - MBT 2000 RS 2 roller set with preparation for weighing

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equipment

## TECHNICAL DATA

Axle load (can be driven over)	3500 kg
Min. track	780 mm
Max. track	2200 mm
Drive power	2 x 3 kW
Test speed	5 km/h
Measured value display	0 - 8 kN
Roller diameter	202 mm
Roller axle distance	400 mm
gG fuse	25 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions of roller set (L x W x H)	2320 x 680 x 280 mm

## ACCESSORIES

VZ 955278 Add-on Kit Brake Tester Directive Model: Directive 2011

### ACCESSORIES ROLLER-SET

VZ 935316 Roller surface plastic/ granulate coated MBT 2000 RS2  
 VZ 935317 Roller surface plastic/ granulate coated MBT 2000 RS4  
 VZ 935318 Roller surface plastic/ granulate coated MBT 2000 RS5  
 VZ 935319 Roller surface Mixed MBT 2000 RS2  
 VZ 935320 Roller surface Mixed MBT 2000 RS4  
 VZ 935321 Roller surface Mixed MBT 2000 RS5  
 VZ 930103 Roller Set RS4 up to 3.5 t Axle Load MODEL: MBT 2000 RS.No.4  
 VZ 930067 Reinforced roller set for axle load 4t, drive power 2 x 4 kW -EXTRA CHARGE-  
 VZ 930068 Roller Set up to 5 t Axle Load MODEL: MBT 2000 RS.No.5 -EXTRA CHARGE-  
 VZ 935313 Roller set cover 4 t traversable MBT 2000 RS2  
 VZ 935314 Roller set cover 4 t traversable MBT 2000 RS4  
 VZ 935315 Roller set cover 4 t traversable MBT 2000 RS5  
 VZ 935068 Roller Heating  
 VZ 930040 Divided Roller Set for Installation in Pit  
 VZ 930124 Automatic drive-over/ lowering bar for MBT 2000 RS2  
 VZ 930125 Automatic drive-over/ lowering bar for MBT 2000 RS4  
 VZ 930126 Automatic drive-over/ lowering bar for MBT 2000 RS5  
 VZ 935323 Mechanical roller set raiser for MBT 2000 RS5  
 VZ 910190 Operating/Control Unit for Roller Set Raiser MBT 2000 RS.No.5  
 VZ 975895 Set of drive-on ramps for above-floor operation  
 VZ 975896 Set of drive-over ramps straight/modular  
 VZ 935303 Cable harness extension 5 m for C\_MBT W220/250/280 Total length 17 m  
 VZ 935304 Cable harness extension 10 m for C\_MBT W220/250/280 Total length 22 m

### MOTORCYCLE TEST

VZ 975929 Roller Set Covers for Motorcycle Brake Testing MBT 2000 RS2/C\_MBT W220  
 VZ 975930 Roller Set Covers for Motorcycle Brake Testing MBT 2000 RS4/C\_MBT W250  
 VZ 975931 Roller Set Covers for Motorcycle Brake Testing MBT 2000 RS5/C\_MBT W280  
 VZ 910174 Cable Remote Control for Motorcycle Testing, w. Tripod  
 VZ 935233 Aluminium Footrests for Motorcycle Testing on Car Rollers

### ACCESSORIES WEIGHING SYSTEMS

VZ 975557 STAT./DYNAMIC Load Scales for Roller Sets (undivided)  
 VZ 975559 STAT./DYNAMIC Load Scales for Roller Sets (divided)

### CONTROLLING SYSTEM AND SPECIAL VOLTAGE

VZ 935132 Driving and Testing Directions manually selectable both sides or one side  
 VZ 935228 Rot./Meas. Direction switchable via Software Module Drive Control  
 VZ 911294 Rot./Test Direction Switchable via Drive Control Pro  
 VZ 911295 Soft-Start Module, for gentle starting of drive motors  
 VZ 990355 4 wheel drive regulator set for Visco and Rigid 4 wheel drive  
 VZ 935322 Electromechanical motor brake as exit aid  
 VZ 990352 Special voltage 3 x 230 V 50/60Hz

### ACCESSORIES PRINTER AND REMOTE CONTROLS

VZ 910047 Infrared Remote Control IFB3  
 VZ 990050 Pedal force meter  
 VP 990434 Pedalforce Meter MODEL: PFM 1000

### PC INTERFACE CARDS/SOFTWARE FOR PROFI-/EUROSYSYSTEM

VZ 912030 Connection Module for Equipment  
 VZ 911045 'asetwork netmanager' f. commercial software network king with asetwork equipment  
 VZ 911275 Software EUROSYSYSTEM  
 VZ 911276 Software module EUROSYSYSTEM Multi-user capability  
 VZ 911373 Software EUROSYSYSTEM V8

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## ACCESSORIES HARD- AND SOFTWARE

VP 186050	Communication Desk EUROSYSYSTEM Car/Truck (w/o electronics) Model: MCD 2000
VZ 955273	Printer Compartment for Communication Desk EUROSYSYSTEM MCD 2000
VZ 955274	Side Shelf for Comm. Desk EUROSYSYSTEM MCD 2000
VZ 955277	External PC Storage Shelf for Communication Desk EUROSYSYSTEM MCD 2000
VZ 910177	Industrial PC Compact with Windows 10 -NET PRICE
VZ 955275	Holder for Compact/Performance PC, suitable for placement inside MCD 2000 desk
VZ 910052	PC Keyboard and Mouse -NET PRICE
VZ 910200	PC Flat screen 24 VGA/DVI/HDMI, (TFT standard) -NET PRICE-
VZ 910192	LCD simultaneous display unit 40 incl. pedestal; HDMI -NET PRICE-
VZ 955244	Rotatable & Folding Wall Holder f. TFT Industrial- or TV Flat Screens (up to 42)
VZ 910193	HDMI Cable 5 m -NET PRICE
VZ 910179	HDMI Cable 15 m -NET PRICE
VZ 910180	HDMI Cable 30 m -NET PRICE
VZ 910181	HDMI Splitter, 4-port incl. 2 m cable -NET PRICE
VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 955299	Tablet PC Rugged (industrial standard) MODEL: C_Tablet-PC -NET PRICE-
VZ 955318	Docking station as charger incl. power supply unit for C_Tablet-PC -NET-
VZ 955237	AP Transmitter/Receiver Unit (Indoor Access Point)
VZ 955287	Autom. license pl. recognition incl. full-HD outdoor network IP camera with wall mount
VZ 955291	Distance sensor triggering the automatic license plate recognition

## ACCESSORIES SAFETY SYSTEMS

VZ 955045	Emergency Switch
VZ 955088	Key Switch for Emergency Stop
VZ 955014	Working hour meter

## SUPPLEMENTARY CHARGES

VT 998279	Transport Werkverkehr -SÜDMBT W220/RS2, MSD -ungeteilt/Compact-
VT 998280	Transport Werkverkehr -NORDMBT W220/RS2, MSD -ungeteilt/Compact-
VT 998281	Transport Werkverkehr -SÜDMBT W250/RS4/ W280/RS5, C13.0 MSD-Plus -ungeteilt/Compact-
VT 998282	Transport Werkverkehr -NORDMBT W250/RS4/ W280/RS5, C13.0 MSD-Plus -ungeteilt/Compact-
VT 998283	Transport Werkverkehr -SÜDMBT, MSD -geteilt/ Split-
VT 998284	Transport Werkverkehr -NORDMBT, MSD -geteilt/ Split-
VT 998277	Transport Werkverkehr -SÜDRollensatzanhebung PKW
VT 998278	Transport Werkverkehr -NORDRollensatzanhebung PKW
VT 998253	Transport Werkverkehr -SÜDSimultananzeige, MCD Schaltschrank (pro Stück)
VT 998254	Transport Werkverkehr -NORDSimultananzeige, MCD Schaltschrank (pro Stück)
VM 996176	Installation costs Brake Tester MBT 2250 EUROSYSYSTEM MBT 3250
VM 995147	Routine Test/Calibration acc. to Verkehrsblatt 99/2022 Car Brake Tester
VM 996088	Montagekosten Allradregelsatz bei Neuinstallation
VM 996177	Montagekosten Funk-Touchscreen FTS -bei Neuinstallation
VM 995679	Assembly Costs per Display Unit (LON/ EUROSYSYSTEM)
VM 996136	Montagekosten Rollensatzanhebung/ Niederziehvorrichtung (zus. Berechnung Aufwand >10h)
VM 996198	Pre-installation Roller Set Elevation for Cars with 10 m cable
VM 996117	Pre-installation Brake Tester MBT 2000/3000 with 10 m cable
VM 996118	Connection and Calibration Brake tester MBT 2000/3000 with 10 m cable
VM 999005	Hydraulic Oil (HLPD 32) per Litre -NET PRICE