

AHS ■ MULTIFUNKTION

Roller brake testers for cars, vans, 4-wheel drive vehicles and trailers

Standard equipment	MultiFunktion
2 split roller beds, 1 for the front and 1 for the rear axle, separately usable	✓
Fully plastic-corundum coated rollers Ø in mm	200
Front roller set: elevated rear rollers (+ 35 mm)	✓
Rear roller set: six driven rollers for each side	✓
Testing width min./max. in mm	900/2360
Splash-proof gear drive motors	✓
Drive power in kW	4x4.6
Electronic motor brakes	✓
2 x 15 m signal- and motor cable provided	✓
Maintenance-free strain gauge measuring system	✓
Start-on protection against external drive [wrong drive-out during stopped rollers]	✓
Single-wheel run by radio remote control	✓
Automatic activation and restart	✓
Locked brake cut-off	✓
Start jamming protection	✓
Display cabinet	MultiFunktion
Four large analogue scales	✓
Indicator light for automatic mode	✓
Driven-in indicator light for active security control	✓
Cut-off lights for each side	✓
All indicator lights via LED with very long lifetime	✓
Visual steering via traffic light system	✓
Two digital displays for brake force difference (front and rear axle)	✓
Manual operation by radio remote control with deadman switching or automatic mode	✓
Preparation for connection to a side slip tester AT 1002 (big digital display 0 - 20 m/km)	✓
Preparation for connection to a suspension tester based on resonance principle (BOGE!)	✓
Preparation for connection to a wheel- and axle weighbridge	✓
Lockable main switch	✓
Special locks	✓
Silicon seal (protection against splash water)	✓
PC interface	✓
Network-compatibility	✓
Technical information	MultiFunktion
Max. drive overload in kg	4000
Length of rollers in mm	720
Testing length min 2100 mm, max. 3150 mm	✓
Testing width min. 900 mm, max. 2360 mm	✓
Display and measuring range in kN	0-6
Testing speed in km/h	5.0
Operating voltage and protection in V/A	400/50
Measurements	MultiFunktion
Total space needed: 2500 x 3600 x 245 mm	✓
Front roller set for each side: 990 x 990 x 245 mm	✓
Rear roller set for each side: 990 x 1630 x 245 mm	✓

Diverse options available!

Please order our foundation drawing. Please check all measurements on the premises. Other testing lengths and widths on request!

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This leaflet is based on the technical knowledge of August 2006. Subject to innovations, changes and completions. We cannot take over any liability for misprints.

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Roller brake testers for cars, vans, 4-wheel drive vehicles and trailers

HIGH-TECH-PRODUCTS
MADE IN GERMANY

ALLRAD HIGHLIGHT

SYSTEM

All AHS brake testers can be upgraded to a complete test lane!

QM-System nach
tÜV CERT
DIN EN ISO 9001

AHS ■ PRÜFTECHNIK
www.ahs-prueftechnik.de info@ahs-prueftechnik.de



The unique roller platform is suitable for the brake testing of small cars ...



...as well as extremely big cars

FOR ALL CARS, VANS AND ESPECIALLY FOUR-WHEEL DRIVE VEHICLES

The **AHS MultiFunktion** combines the reliable and powerful technology of Multiflex 06 with an innovative and future-oriented testing concept. A high professional brake test under street-like conditions is now possible.

The **AHS MultiFunktion** allows a convenient testing of front and rear axle of all cars and vans at the same time and is a highly efficient and cost saving method. Vehicles with different four-wheel concepts can be tested precisely and efficiently.

Extensive studies have shown that the testing of numerous four-wheel cars is not or only limited possible on a single roller bed. Many vehicles are even not testable in so-called reverse motion. The reason: Since all four wheels are driven at the same time, the brake forces of the axle that is not positioned in the roller set will be transferred to the axle being tested at that time in the roller set. Defective brakes cannot be detected, the road safety of the vehicle cannot be guaranteed. Brake values are distorted and in the worst case, the gear can be damaged. The so-called "reverse motion" is not a solution: it does not deliver precise and definite brake testing results, because the backlash of teeth is around 0.1 mm and therefore, the influence of the backwards running wheel cannot be ruled out.

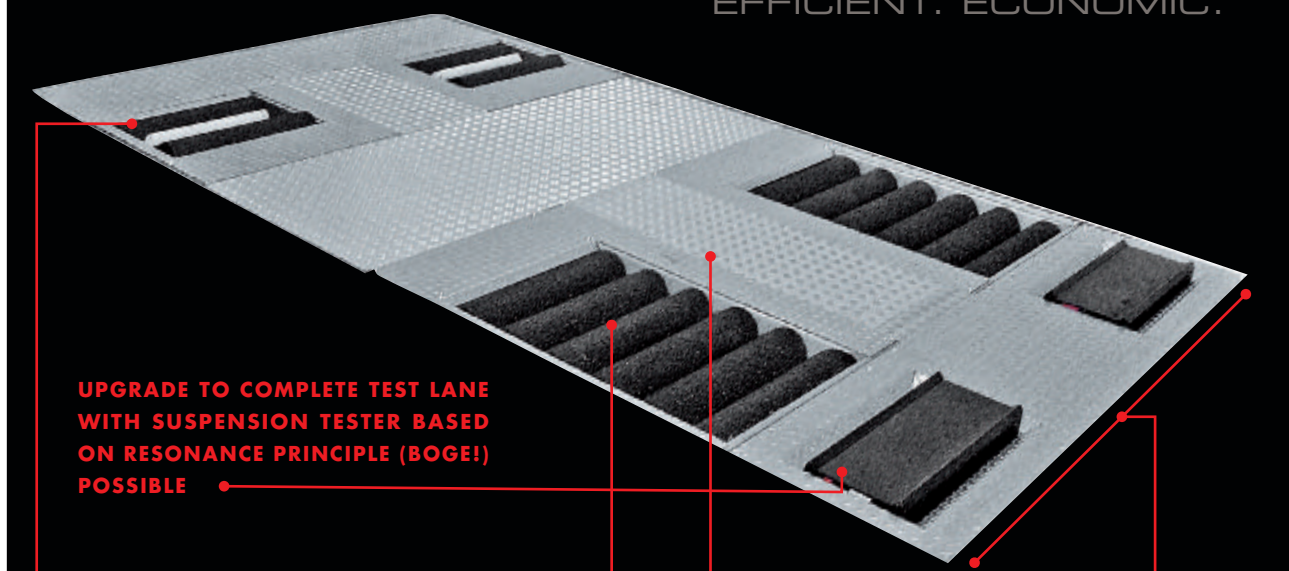
With the future-oriented testing concept **AHS MultiFunktion** these problems belong to the past.



The testing of all wheelbases is possible ...

... without time consuming movement of roller sets

FUTURE-ORIENTED. EFFICIENT. ECONOMIC.



UPGRADE TO COMPLETE TEST LANE WITH SUSPENSION TESTER BASED ON RESONANCE PRINCIPLE (BOGE!) POSSIBLE

Long-living fully plastic-corundum coated rollers for extreme usage

Roller platform with six driven rollers for diverse wheelbases

Powerful 4 x 4.6 kW motors with electronic brakes

Big testing width of 2360 mm

Big displays for side slip



Big, luminous digital displays for suspension tester



LED indicator lights with very long lifetime

Digital displays for brake force difference of front and rear axle

Visual steering via traffic light system. Special locks and silicon seal

AHS MULTIFUNKTION

BRAKE TESTING FOR ALL DRIVE CONCEPTS



BRAKE TESTING FOR TRAILERS WITH TANDEM-AXLE TOO!

Increased road safety due to possible testing of all kinds of drive concepts

Big, clear scales for precise brake values at a glance

Time saving testing of front and rear axle at the same time

Possible upgrade to complete test lane