

AHS ■ VARIOFLEX TEC

Roller brake testers for cars and trucks

New!

Standard equipment of cabinet	Standard	2-fold	4-fold (MB)	Screenline
2 large analogue scales with automatic switch of measuring range (0-8/0-40) kN	✓	✓	✓	✓
4 large analogue scales (0-8/0-40) kN	-	-	✓	-
Electronics integrated in cabinet (without analogue scales)	-	-	-	✓
Software package PICARO II	-	-	-	✓
4 LED indicators for measuring range	✓	✓	✓	✓
4 LED indicators for driving direction	✓	✓	✓	✓
Preparation for reverse motion	✓	✓	✓	✓
2 driving directions and reverse motion	✓	✓	✓	✓
Lockable main switch	✓	✓	✓	✓
All indicator lights via LED	✓	✓	✓	✓
with very long lifetime	✓	✓	✓	✓
Indicator light for automatic mode	✓	✓	✓	✓
Driven-in indicator light	✓	✓	✓	✓
for active security control	✓	✓	✓	✓
Visual steering via traffic light system	✓	✓	✓	✓
Digital display for brake force difference	✓	✓	✓	✓
Special locks	✓	✓	✓	✓
Silicon seal (protection against splash water)	✓	✓	✓	✓
Preparation for the connection to a side slip tester AHS 5002	via PC	✓	✓	✓
Preparation for the integration of a wheel- and axle weighbridge	✓	✓	✓	✓
Preparation for the connection to pressure transmitters (either with hose set or radio-controlled)	✓	✓	✓	✓
Preparation for a pit safety device	✓	✓	✓	✓
PC interface	✓	✓	✓	✓
Network-compatibility	✓	✓	✓	✓
Technical information	Standard	2-fold	4-fold (MB)	Screenline
Display range in kN	0-8/0-40	0-8/0-40	0-8/0-40	0-8/0-40
Measuring range in kN	0-8/0-40	0-8/0-40	0-8/0-40	0-8/0-40
Operating voltage and protection in V/A	400/63	400/63	400/63	400/63
Measurements	Standard	2-fold	4-fold (MB)	Screenline
Cabinet (H x W x D) in mm	600/800/250	800/1000/350	1000/800/350	-

The AHS product line VARIOFLEX includes 3 different roller beds and 4 different types of cabinets. Each combination is possible!!!



Standard



Twofold version



Fourfold version

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Alternatively: two-piece roller bed in S-version (motors sidwise for easy maintenance) and in U-version (motors beneath rollers for space-saving), for installation above and in front of pits	✓	✓	✓
Fully plastic-corundum coated rollers Ø in mm	190	260	310
Rollers at same level	✓	✓	✓
Elevated rear rollers on request	✓	✓	✓
Testing width min./max. in mm (install. in front of pit)*	760/2900	760/2900	760/2900
High-performance flat gear motors specially designed and reinforced, splash-proofed and easy running	✓	✓	✓
Drive power in kW	2 x 11	2 x 11	2 x 11
30 m signal cable for connection of roller set/cabinet	✓	✓	✓
Start-on protection against external drive (wrong drive-out during stopped rollers)	✓	✓	✓
Sidewise delayed star/delta activation of the motors	✓	✓	✓
Maintenance-free strain gauge measuring system	✓	✓	✓
Manual operation or automatic mode	✓	✓	✓
Single wheel mode by cable remote control with deadman switching (20 m cable set)	✓	✓	✓
Automatic activation and restart	✓	✓	✓
Start jamming protection	✓	✓	✓
Locked brake cut-off	✓	✓	✓
Drive-out support	✓	✓	✓
Technical information	✓	✓	✓
Max. drive overload in kg*	16000	16000	16000
Testing speed in km/h	2.3	2.3	2.3
*Other testing width on drive overload on request	✓	✓	✓

Please order our foundation drawing. Please check all measurements on the premises.

Options e. g.	Standard	2-fold	4-fold (MB)	Screenline
PC desk with monitor holder and mouse plate	✓	✓	✓	✓
Workshop righteous PC cabinet with vision panel	✓	✓	✓	✓
Software package PICARO II for Windows (standard with screen-version)	✓	✓	✓	✓
Side slip tester	✓	✓	✓	✓
Special version for low-loading trucks (testing width min./max. 250/3400 mm)	✓	✓	✓	✓
Pneumatic pressure transmitters (either with hose set or radio-controlled)	✓	✓	✓	✓
Two measuring speeds (3 and 6 km/h)	✓	✓	✓	✓
Electronic motor brakes for easy drive-out	✓	✓	✓	✓
Pit safety device	✓	✓	✓	✓
Joint play detector	✓	✓	✓	✓
...	✓	✓	✓	✓

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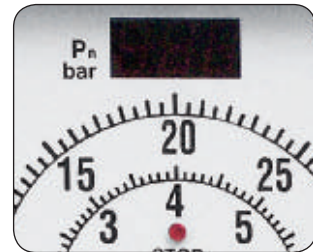
All AHS brake testers can be upgraded to a complete test lane



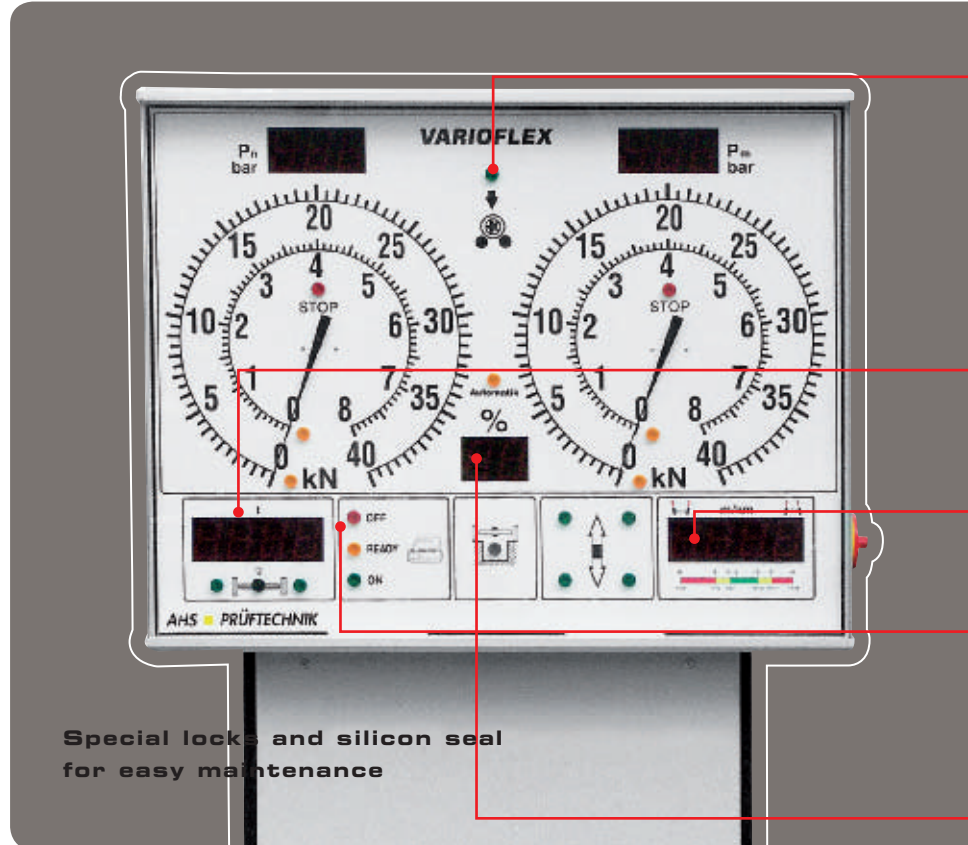
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Cabinet with four analogue scales: all results at a glance (MB version)



Preparation for pressure transmitters, either with hose set or radio-controlled



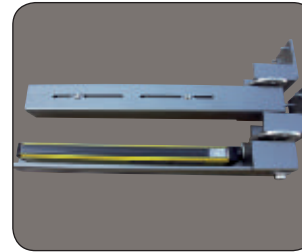
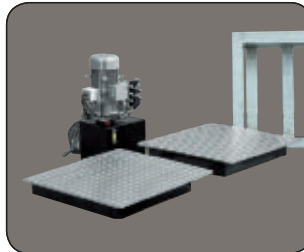
Long-living LED indicator lights

Preparation for pit safety, weighbridge and side slip

Visual steering via traffic light, digital display for brake force difference

Special locks and silicon seal for easy maintenance

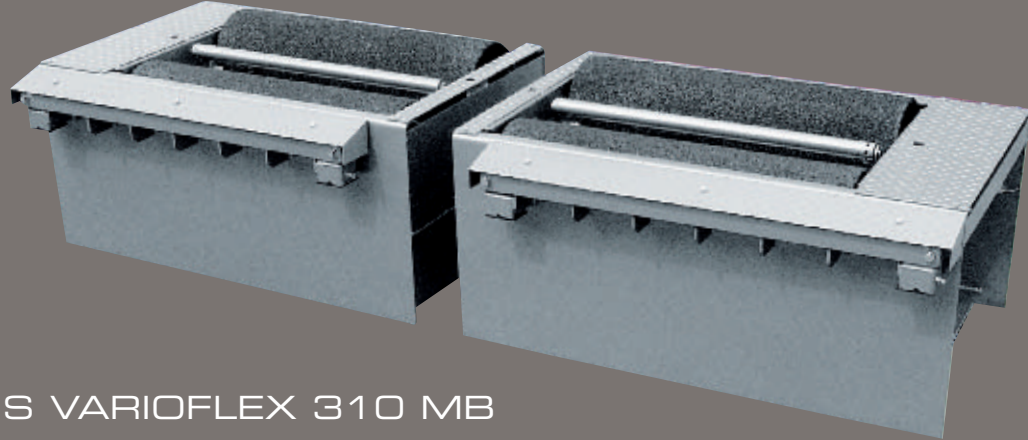
Optional: AHS Joint play detector with rotary motion



Optional: Pit safety device for all kinds of pits

POWERFUL. PRECISE. AHS TECHNOLOGY.

The AHS VARIOFLEX is available as an easy-to-maintain S-version (motors fitted side-wise) or as a space-saving U-version (motors fitted beneath the rollers). For extraordinary high charges, e. g. for brake testing of crans, the Varioflex in U-type hanging version is recommended.



AHS VARIOFLEX 310 MB FOR DAIMLERCHRYSLER

All roller sets are characterized by their robust construction and are equipped with newest technology.

PICARO II - testing software for easy operation



Perfect for the needs of truck workshops

FAST. EFFECTIVE. SIGNIFICANT.

The AHS VARIOFLEX can be upgraded with a complete PC system and workshop-righteous solutions for its storage. It is also available as a completely computerized system without analogue scales (Varioflex Screen). The testing software PICARO II is easy to operate and was developed especially for the needs of workshops.

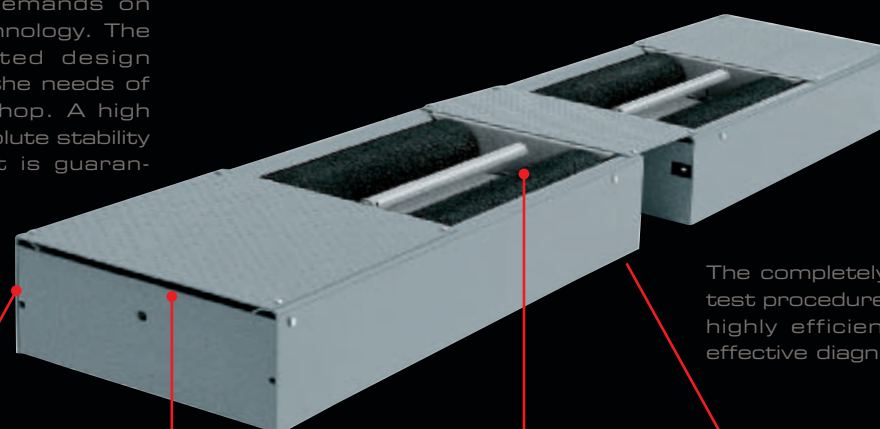
It includes a completely automated test procedure, numerous editing and storage possibilities as well as the possible use of reference measurements. The integration in a network is possible.



AHS VARIOFLEX SCREEN

THE AHS VARIOFLEX - HIGH-TECH FOR HIGH DEMANDS

AHS NEW Varioflex is equipped with CAN-BUS-technology and fulfills highest demands on security and technology. The customer-oriented design meets perfectly the needs of a modern workshop. A high reliability and absolute stability of the zero point is guaranteed.



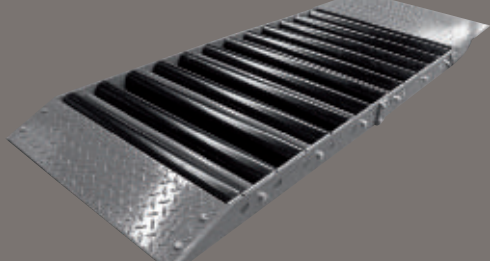
The completely automated test procedure guarantees highly efficient, fast and effective diagnostics.

- Robust frame construction, special versions for existing pits
- Specially designed and reinforced high-performance 2 x 11 kW flat gear motors
- Long-living fully plastic-corundum coated rollers for extreme usage
- Preparation for wheel- and axle-weighbridge (standard)

Optional: the hydraulic load simulator for the simulation of loaden measurements



Optional: the boogie (free running) roller platform for the testing of trucks with multiple driven axles (rigid joint), either as a built-in or an on-floor-version.



EXAMPLES OF AHS-EQUIPPED WORKSHOPS



TÜV Arendal, Norway



TÜV Nord, Delmenhorst

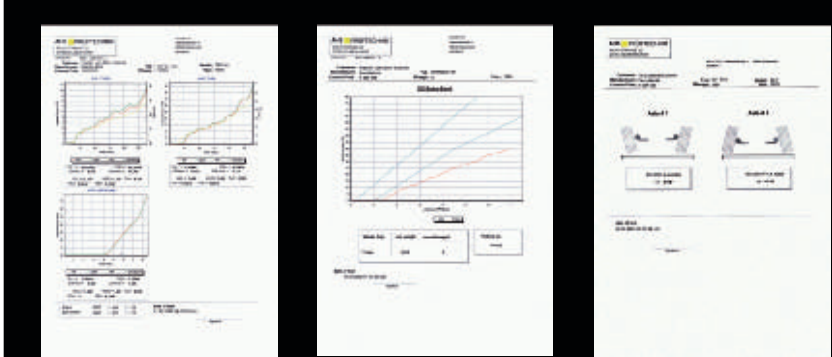


TÜV Nord, Delmenhorst



AHS POWER PAD for the wireless operation of PICARO II and steering of the testing procedure out of the driving cab.

Workshop-righteous PC cabinet with big vision panel for monitors up to 21", keyboard drawer and lockable section for PC and printer



Examples

The clear-designed report includes all relevant measurements and graphics and can actively be used for sales promotion.