

Function-Performance- Roller Test Stand for Commercial Vehicles (End-of-Line)



AIP-FRP 8x8



The AIP-FRP 8x8 has been specially designed for conducting end of line quality and final check-out tests on commercial vehicles with 2-, 3- and 4 axles.

The system has multifunctional capabilities for conducting a wide variety of test procedures from simple driving tests up to a special function tests such as TCS or differential lock functions.

The testing instructions are displayed on two large color monitors and can be individually paged through and evaluated using a non-contact infrared remote control.

The test results are documented on a protocol print-out and filed in a database.

In addition to the conventional end-of-line tests, the test stand is also equipped with a program for vehicle motor performance testing. A integrated database of motor types provides a comparison basis between target- and actual value curves.

- Test program for engine power determination
- Load simulation controlled by speed, traction or engine rpm
- Simulation of road resistance
- Speed tracing of the non-drive vehicle axle(s)



Test Stand Features

Operation examples:

- Test program for engine power determination
- Load simulation controlled by speed, traction or engine RPM
- Simulation of road resistance
- Speed tracing of the non-driven vehicle axle(s)

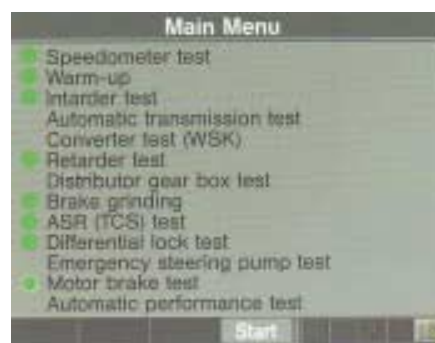
Vehicle component diagnosis (end-of-line) by using a variety of selectable test programs, e.g.:

- warm-up, through all gear steps in either speed- or traction regulation
- speedometer test § 57 b, § 57 d
- retarder- and intarder tests
- standard- and automatic transmission
- converter gear clutch
- distribution gear box
- ASR-, TCS tests
- differential locking tests
- emergency steering pump tests
- grinding of the vehicle brakes
- speed- / cruise control tests
- ABS tests

Technical Data

Axle load	16 t
Maximum test speed (extended version upon request)	130 km/h
Roller diameter	500 mm
Roller length	1.075 mm
Separation roller outside edge	3.000 mm
Separation roller inside edge	850 mm
Temperature range (standard)	+ 5 °C ... + 45 °C
Stepless wheel base adjustment	
Front axle 1 - front axle 2	1.450 ... 2.000 mm
Front axle 2 - rear axle 1	2.400 ... 6.380 mm
Rear axle 1 - rear axle 2	1.250 ... 1.800 mm
Drive- / brake power vehicle tests	max. 600 kW
Traction	
Front axle FA	16 kN
Rear axle RA	32 kN

The DC Truck production plant in Wörth / Germany is satisfied with MAHA-AIP FRP 8x8 Function-Roller Test Stands!



Competent Testing Technology for Cars, Trucks, Motorcycles, Tractors, Forklifts, etc.

- Emission Chassis Dynos (48"/20")
- Performance Roller Test Stands
- Function Roller Test Stands
- End-of-Line Test Stands (DVT)
- Air Stream Fans
- Heavy Duty Mobile Vehicle Lifts
- Test Stand Design

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MAHA Maschinenbau Haldenwang GmbH & Co. KG
Division AIP - Automotive Industry Projects
 Hoyen 20 · D-87490 Haldenwang (Allgäu) / Germany
 Ph.: +49-(0)8374 - 585-0 · Fax: +49-(0)8374 - 585-551
 eMail: aip@maha.de · www.maha-aip.de

