

Testlane for Tractors End-of-Line



AIP-FRP/BPS



Specially designed for end-line quality- and check-out tests. Two vehicles can be tested simultaneously on the combination „two-axle function roller test stand and brake roller test stand“.

The automatic test program uses a vehicle model database. All test relevant target data and equipment specifications for individual vehicles are filed in this database. The testing instructions are displayed on two large color screens and can be individually paged through and evaluated by using cable free infrared remote control.

The test results are documented on a protocol printer and filed in a test result database.

Application

- End-of-Line Tests
- Function Tests
- Brake Tests
- Quality checks
- Model Tests



Test Stand Features

Function Roller Test Stand

- **vehicle model database** with all model-specific equipment characteristics
- **automatic test program** with following functions:
 - vehicle specific program procedure base on the data from the vehicle model database
 - check of **all gear steps, forward / reverse**
 - check of **highest speed**
 - **stop watch for acceleration measurement**
 - check **turnover gear**
 - **determination of idle RPM, peak RPM, parking brake**
- **Test protocol for**
 - **documentation** of measurement
 - filing of test results

Brake Tester

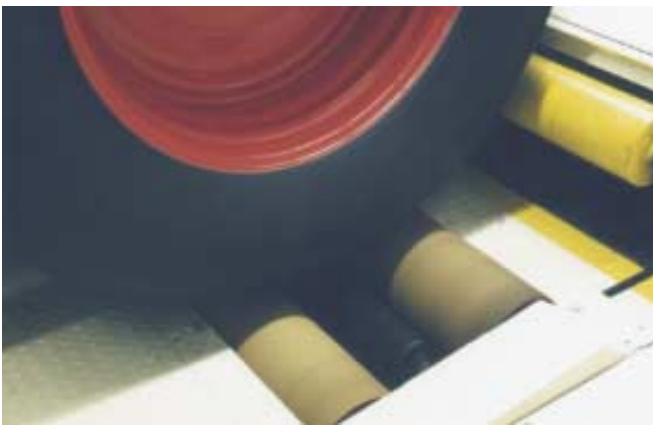
- **Test Program**
 - **determination of brake values** of the rear axle, front axle and parking brake
 - **check of the differential lock**
 - **print-out of the test protocol**

Options:

- **Vehicle restraint system**
- **Hydraulic support roller**

Technical Data

Function Roller Test Stand	
Axle load max.	15 t
Test speed max.	65 km/h
Vehicle mass simulation	500 ... 7.500 kg
Engageable flywheels	2 x 2.500 kg
DC machine including thyristor-controlled power electronic (4Q mode)	63,5 kW
Operating temperatur (standard)	+ 5 °C ... + 45 °C
Stepless wheel base adjustment	1.850 ... 3.450 mm
Roller inside edge (min. track)	400 mm
Roller outside edge (max. track)	3.100 mm
Roller diameter FA / RA	318 mm / 500 mm
Brake Tester	
Axle load max.	18 t
Measuring range	0 ... 40 kN
Drive power	2 x 16 kW
Testspeed	2 km/h
Roller length	1.600 mm
Roller diameter	265 mm
Rolleraxle distance	475 mm
Support roller, hydraulically extendable for vehicle stabilization	



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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