

Function-Roller Test Stand End-of-Line (DVT)



AIP-FRP 500



Specially designed for conducting end of assembly-line tests on front-, rear- and 4-wheel drive vehicles in vehicle production plants and their sub-suppliers.

- End-of-Line Tests
- Final Quality Checks
- Dynamic Vehicle Tests (DVT)
- ABS-, ASR-, ESP-Tests
- Acoustic Measurements

Select between integrated flywheels and eddy-current brakes for realization of various load conditions.

The individual roller pairs with stepless adjustable wheelbase can be disengaged for conducting function tests on vehicles such as dynamic ABS and ASR (TCR) tests.

The test stand control is performed either:

- **automatically** by an internal computer (tailmade test program, based on customer requirements) or via an external customer computer using its own test program or
- **manually** at controlling unit on the control cabinet or via the hand-held remote control.



Test Stand Components



- Safety restraint rollers in driving direction (swivable)
- Lateral restraint rollers
- Pusher, left and right side for vehicle guidance during the driving test
- Exhaust flaps with connection for external suction. Cooling air duct, integrated in front range of the test stand for cooling the vehicle exhaust system (special catalytic converter)



Technical Data

Max. test speed (extended version up on request - e.g. 300 km/h)	200 km/h
Operating temperature (standard)	+ 5 °C ... + 45 °C
Humidity	95% non condensed
Motor performance measurement	1.100 kg
Vehicle mass simulation 2 engagable flywheels	ea 500 kg
Dimension / weight Standard-roller set	
Roller-diameter	500 mm
Roller width	700 mm
Separation roller inside edge	950 mm
Separation roller outside edge	2.300 mm
Stepless wheelbase adjustment	2.250 ... 3.600 mm
Axle load max. (larger axle load up on request)	2.500 kg
Power supply:	
Mains power:	min. 160 kVA
Mains current:	3 x 400 V
Mains frequency:	50 Hz
Compressed air supply:	min. 6 bar max. 10 bar
Remote controlled communication via serial modem	up on request

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

**Your competent partner -
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