



FRP 8x8 Function Roller

Test Stand for Trucks



For end-of-line quality and final checkout testing in vehicle production. For performance and component tests in research and development.

The flexibility of the system offers simple driving tests up to special function tests such as ASR or differential locking function. Active Off-Board Diagnostic (communication with the vehicle via k-line or vehicle CAN Bus system).

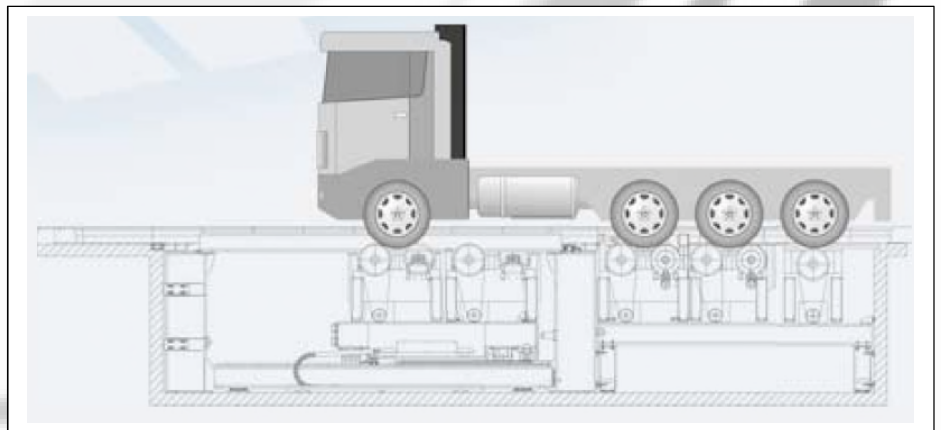


Applications

- Testing of one-axle or 4-wheel drive vehicles
- Dynamic function tests e.g.:
 - Warm-up driving under load
 - Function tests for gears, axles, drive shaft
 - ABS, ASR tests
 - Brake test
 - Grinding of vehicle brakes
 - Testing of the axle ratio
 - Differential locking testing
 - Testing of the steering wheel position
 - Testing of the emergency steering pump
 - Tempomat(Cruise Control) test, speed limiter
 - Road simulation with mountain and valley drive
 - Motor brake-, retarder, intarder test
 - Performance determination
 - Load simulations
 - Fuel consumption measurements
 - Tachograph test acc. to §57b, §57d

Advantages

- Communication with the vehicle via k-line or CAN
- Fully automatic test stand conditioning
- 3 station PC system for simultaneous testing, input, and evaluation of up to 3 vehicles
- Additional vehicle fixing with stop rollers
- Control of test stand periphery (Hall gates, ambient air, exhaust air, illumination etc.)
- Optional load device for weight simulation
- Connection and communication to production control makes a focused vehicle control in the reworking or final inspection possible



Improving the Environment through Technology