



BPS ABS Brake Test Stand For Trucks



For end-of-line quality tests. For brake effectiveness and component tests in research and development. Specially developed test routines and optimally adapted test procedures limit the test time to a minimum.

ADVANTAGES

Brake tests

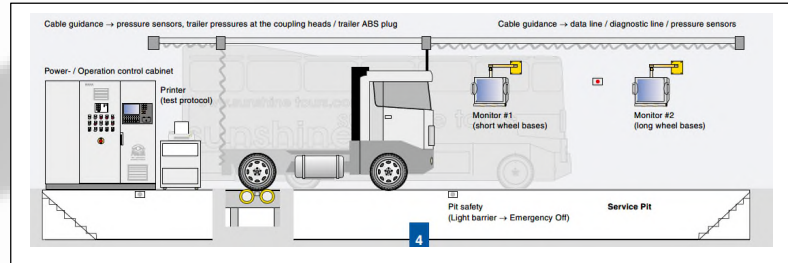
- Service and parking brakes
- Single wheel tests
- Axle brake test with display –
- Brake force per wheel and imbalance display
- Testing of out-of-round

ABS / EPB / EBS Test

- of the wheel sensors
- of the magnet wheels
- the brake lining wear sensors
- the valve
- the dynamic
- communication with ABS- /EPB- /EBS control device
- read / delete error memory
- switch test (e.g. ABS- / ASRswitchoff)
- signal lamp test
- the pneumatic system
- the spare pressure
- the positioning pressures
- the dynamic pressure build up
- the air hoses for kinks
- interchange test
- the axle module
- the trailer control valve
- the pressure reduction
- redundancy path

Other Tests

- ASR test
- Differential locking test



Description

The test stand is designed for brake effectiveness tests and tests of the ABS / EPB / EBS systems of truck / commercial vehicles up to a max. of 13 t axle load. For ABS / EPS /EBS test, the vehicle is connected to the test stand at the diagnostic plug via a moving cable unit. Active Off Board-Diagnostic (communication with the vehicle via k-line or vehicle CAN). The test can be automatically done specially adapted to the end-of-line test. A networking with the company network is possible. (Production control). Automatic user-guided tests. The test stand provides the test cycles, whereby the tester can intervene in the test procedure at any time via the cable-free remote control. Test steps judged by the tester must be positively or negatively acknowledged using the remote control to proceed to the next test step.

Applications

- ABS / EBS test via diagnosis interface (e.g. BOSCH, WABCO, Knorr)
- 3-, 4-, and 6 channel ABS system (On-Board / Off-Board)
- Reproducible test processes
- Manual and automatic test procedures
- Active communication with the vehicle
- RPM controlled drives
- Vehicle databases, automatic
- selection of the test routines based on vehicle recognition
- Modular test stand design for various requirements and budgets
- Highest possible efficiency with small series and multi-shift operation
- low wear and maintenance system design

Improving the Environment through Technology