



Brake test units

Optimally adjusted

DB Fahrzeuginstandhaltung GmbH | InnoTrans 2024

Our brake test unit family for testing your brake systems



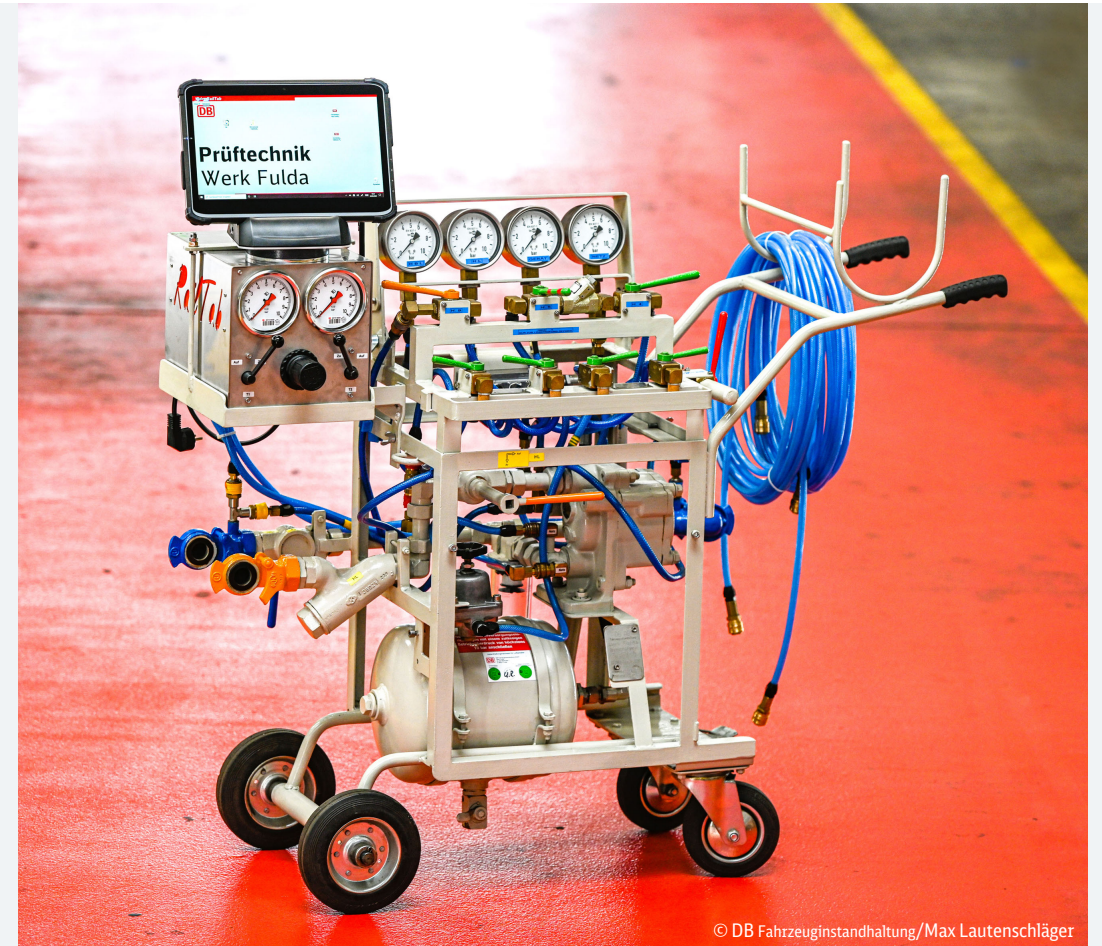
To keep your vehicle fleet up and running, the testing of safety-related components such as brakes is particularly important.

We are a manufacturer and your expert maintenance provider for brake test units and equipment.

In addition, we also perform testing for all pneumatic brake parts on rail vehicles in line with the conditions established by the UIC.

Thanks to our technical expertise and many years of experience, we are constantly developing our brake test units for you. We also incorporate current market and customer needs into the development process.

Our smart software solutions make a valuable contribution to the digitalisation and automation of depot processes.



Applications for and benefits of our brake test units



Use cases

- Fault finding
- Final inspection after brake overhauls, servicing and fault rectification
- Effectiveness testing of brake equipment
- Optional: brake force measurement for tread and disc brakes
- CBM* measures
- Provision of evidence for service life extension
- New approvals of vehicles



Functions

- All testers can be used in several languages
- Wireless transmission of brake force measurement results or pressure measurement by cable
- Application force measurement in kN and mapping in line chart
- Legally compliant documentation by furnishing evidence
- Intuitive measurement process management
- Storage of vehicles in a database with vehicle history



Your advantages

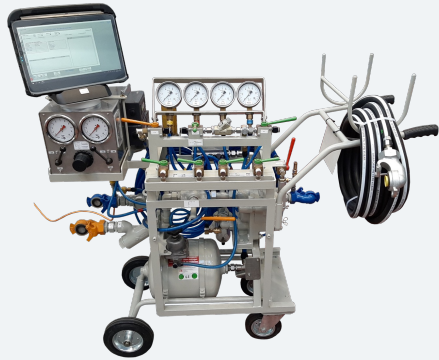
- Straightforward handling
- Straightforward, fast and legally compliant documentation of measurement results
- Reduced cost and effort due to several partially automated measurement steps
- Tailored to your requirements
- Simplified knowledge development and transfer
- Optimised test processes and test intervals

* Condition-based maintenance

Overview of our brake test unit family



Pdr 5



- Testing according to UIC 540, VPI_07 & Guideline 900.0080 on brake system maintenance
- External mechanical supply of control line pressure via integrated pressure regulator
- Optional: Control and digital documentation thanks to transportable RailTab according to the de facto standard

Pdr 7



- Testing according to UIC 540, UIC 543-1, VPI_07 & 08, Guideline 900.0080 on brake system maintenance
- Automatic testing and documentation of the brake test on rail vehicles
- Digital automated external supply of control line pressure
- Fully automatic test sequence in a defined inspection log with target/actual comparison
- Control and operation via transportable RailTab
- Multiple languages can be selected

Pdr M (modular)



- Automatic testing and documentation of the brake test on rail vehicles
- Digital automated external supply of control line pressure
- Fully automatic test sequence in a defined inspection log with target/actual comparison
- Operation via laptop
- Multiple languages can be selected
- Battery-powered
- Extensible by 7 modules

Further information

DB Fahrzeuginstandhaltung
Brake test units



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