

Railway Depot Equipment Chockblock Testing Machine



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Brake testing machine for testing of calliper and chockblock units

Usually, either calliper or block brake units are used for braking train carriages (rolling stock). They are a compact, mechanically independent and a combination of the conventional sub-assemblies: brake cylinders, slack adjusters and brake pad holders. In some instances they are equipped with add-on modules such as spring mechanisms.

Clamp and calliper brakes are available in various construction designs. Essentially all perform the same function and usually have the same connecting dimensions. Apart from additional functions, there is a difference in the design of the brake mount and the position of the mounting thread bores.

Each test program contains all the necessary electrical and pneumatic settings. No manual intervention is required during the testing sequence. The programs can be edited and created independently. The content and sequence of the program steps as well as times, pressures and forces can be adapted to job. The expected values are output and stored as IO or NIO in the tabular test report.

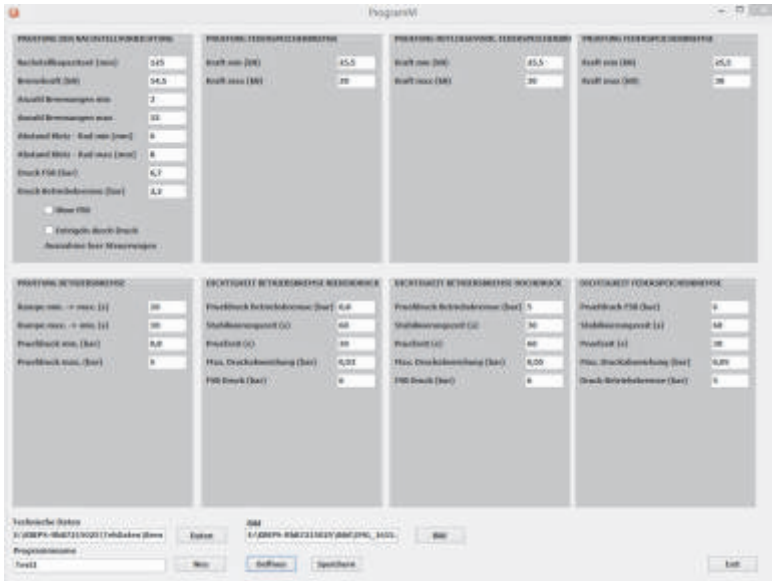
The test programs for block and calliper brake units are largely identical - but can be parameterised and retrieved specifically for the type of testing.

The following tests are possible automatically:

- Checking of the adjuster
- Checking of the spring-loaded brake
- Checking of the emergency release device of the spring-loaded brake
- Checking of the service brake
- Sealing test of the service brake
- High pressure sealing test
- Spring-loaded brake sealing test

In addition to the measured data and test results, the following information is stored:

- Type designation of the BU (brake unit)
- Serial number of the BU
- Type designation of the spring mechanism
- Serial number of the spring mechanism
- Date and time of testing
- Personnel number and/or name of the operator
- Order number of the test

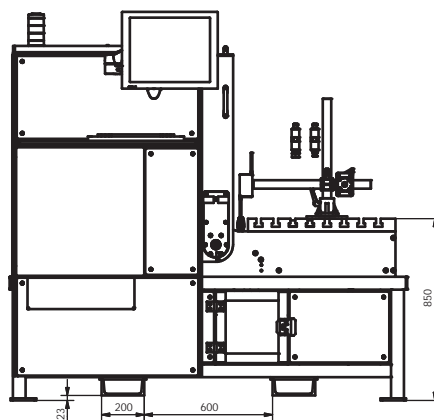
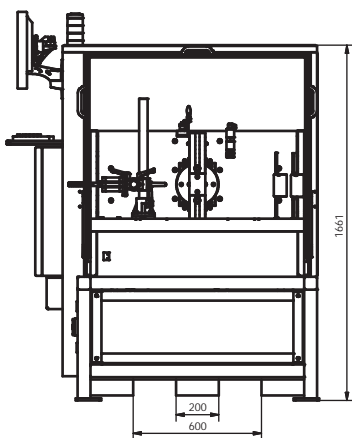


Programming window:

Here, the parameters of the respective tests are defined. Program management allows you to save and edit the programs.

When a program has been selected, technical data and image must be compared with the test item. After pressing OK, the predefined program loads and the test sequence can be started.

Images and data stored in the program allow a visual control of the built-up CBU (chockblock unit) and a comparison between the set-up and the actual set-up.



Length:	1830 mm
Width:	1120 mm
Height:	2000 mm
Weight:	1700 kg
Installation Power:	1 kW

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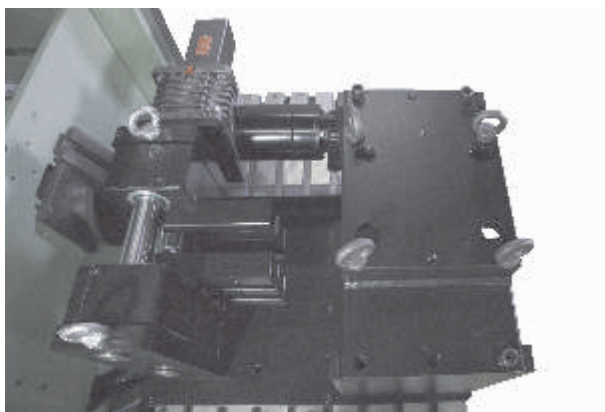
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Brake testing machine with a fixture for a chockblock unit

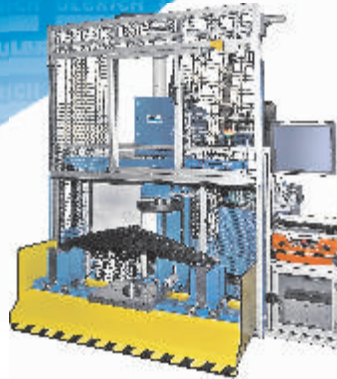


Brake testing machine with fixtures for calliper brakes

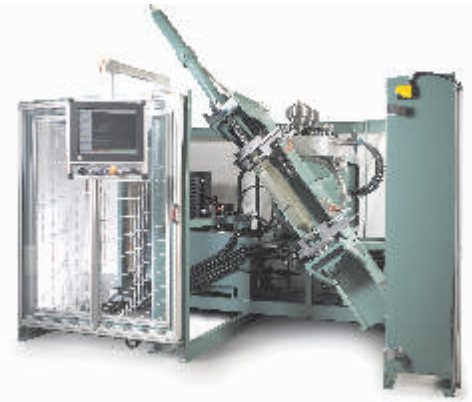




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Shock Absorber Testing Machine

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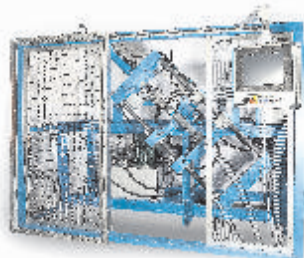
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Chockblock Testing Machine



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