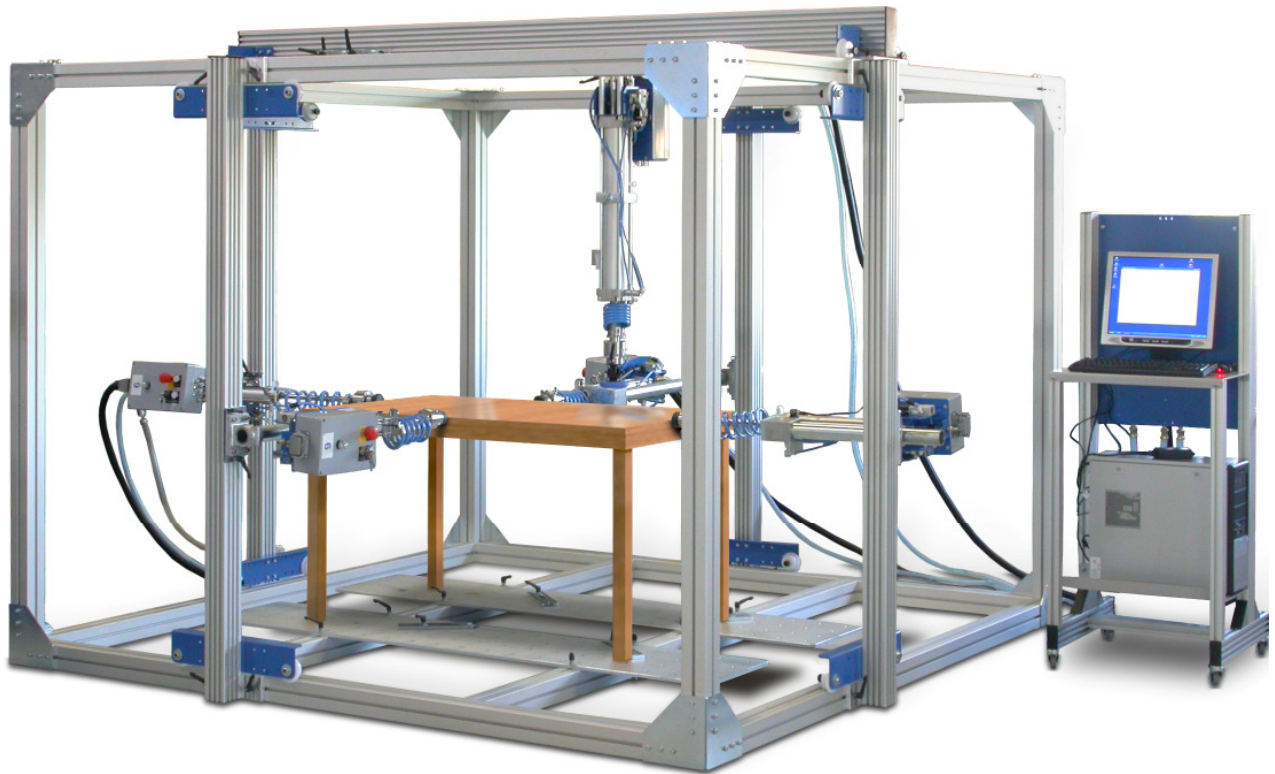


displacement test rig for vertical and horizontal testing of tables and desks, 5 test axes



Displacement test rig for vertical and horizontal testing of tables according to EN 527-3, 581-2-3, EN 1730, BIFMA X5.1 load or load/position controlled.

4 test axes for horizontal table testing, 1 test axis for vertical table testing.

The test axes each have their own controllers assembled in the immediate vicinity, which are operated from a PC via CAN-bus and work synchronised. They are supplied via a central supply terminal, which can carry up to 5 pneumatic test axes.

Central supply terminal and PC can be positioned on a separate framework.

Via a USB interface on the PC the data, control commands and software settings are transmitted via the central supply terminal to the pneumatic test axes.

Part of the test stand is our **extensive testing and evaluation software** for the system software Windows 2000 or XP.

Included:

- box frame 2.5 x 2.5m, ca. 2m high, made from 80x80 R&K light weight profiles, screwed and stiffened on the corners with gusset plates
- 4 vertical and 1 horizontal profiles as crosshead for taking the cylinder, crosshead easily relocatable because of roll guides
- In the box frame there are 2 stiffened strips of the base plates, relocatable
- 4 pneumatic test axes for horizontal table testing, load controlled, piston diameter 50mm, stroke 300mm, load up to 1500N, load cell 5kN
- 1 pneumatic test axis for vertical table testing, load controlled, piston diameter 80mm, stroke 500mm, load up to 2500N, load cell 5kN; fixed on the extension; laterally relocatable, installed below the traverse member
- 5 load cells 5kN integrated in the axes
- Operating pressure and cylinder limit switch control
- 1 emergency stop button on each test axis
- Number of cycles and course of load to be set arbitrarily in the PC software
- 4 load pad round, fixed 50mm
- 1 load pad round, diameter 100mm, gimbal clamp
- Fasteners for tables

1 supply terminal for 5 test axes

The supply terminal is used as a connector for up to 5 test axes. It converts the CAN-protocol to USB and therefore is the connection to the PC.

The cables for connecting the test axes are built-in. Furthermore it contains a central emergency stop, which can shut off all axes in a hazardous situation. The air conditioning consisting of filter, switch-on-valve and distributor is also situated on the supply terminal. The test axes can be attached via hoses with quick disconnect couplers.

1 Framework for supply terminal, PC, keyboard and screen, moveable

Framework for supply terminal made from aluminium profiles for installing a supply terminal and setting it up separately next to the test rig.

It stands on fixable plastic wheels and can thus be used as a moveable or stationary system.

On the backside of the supply terminal there is a table approx. 1000mm above the ground to carry a TFT-display, keyboard and mouse. Below the tabletop is storage to carry the PC. A gap in the tabletop allows cable feedthrough. The framework is designed as a standing workstation for test rig configuration.

- Accessories for the CAN-Bus and PC connection via USB interface

Not included:

- PC with accessories (screen, printer ...)