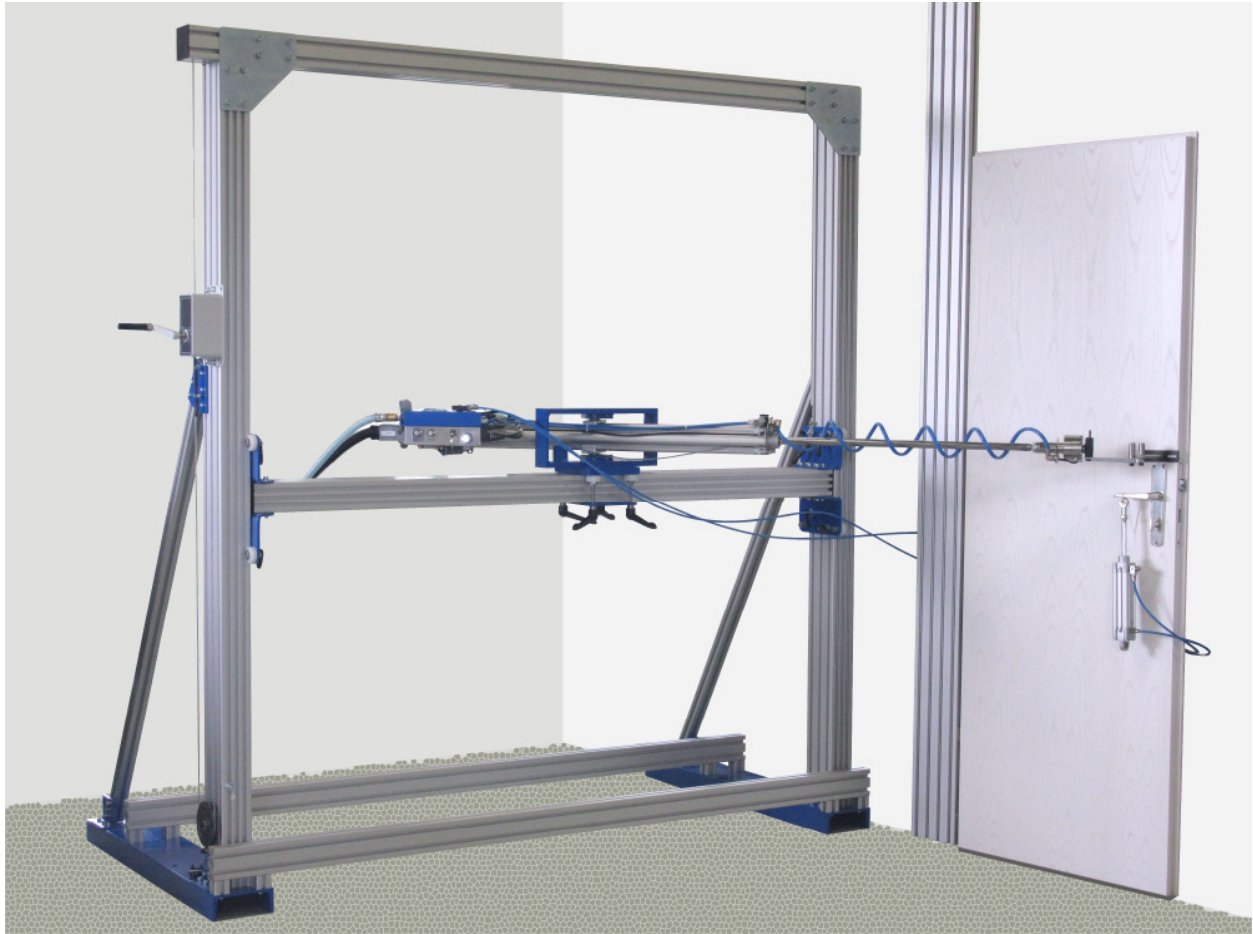


Test rig for durability tests on doors according to EN 14727



This test stand can test the quality of different types of doors by means of durability testing according to EN 14727. After the door is fixed to the frame, the test cylinder sways the door via a rotation axis. Another small pneumatic cylinder is responsible for actuating the closing mechanism (locking and unlocking) on the door.

The test stand consists of:

- Frame for the fixing of the test cylinder for different movements
- Pneumatic cylinder load- and position-controlled up to 1500N
- Load cell 5kN
- Pneumatic cylinder 32x100
- Central supply terminal
- Moveable frame for the central supply terminal, PC and screen
- Testing and evaluation software



Technical data

Field of application	Long term test with pivoting movement of specimens with locking mechanism
Specimens	Doors, windows
Parameter load	0 .. 1500 N
Parameter position	0 .. 800 mm
Limits	Depending on the test setup; Specimen pivoting range max. 90° Working height 0.3 .. 2.0 m
Number of cycles	Can be set arbitrarily in the software
Electrical connection	230 V / 50 Hz
Supply of compressed air	6 bar
Dimensions of the test rig W x D x H	2.1 m x 1.0 m x 2.2 m
Dimensions of the supply terminal W x D x H	0.6 m x 0.6 m x 1.6 m
Weight	200 kg test stand 80 kg central supply terminal
Optional accessories	Coupling elements for specimen carriage on request