

glass testing machine inspekt S 50kN

The Inspekt S 50 can carry out static puncture tests on glass according to ISO 614 and bending tests according to DIN EN 1288-3 up to a maximum load of 50 kN.

The machine is driven by a central spindle, which allows for a test room width of 1300 mm and a test room depth of 650 mm. Furthermore, the design of the Inspekt S 50 allows for a modification of the test room size in order to test glass panes of larger or smaller dimensions.



static puncture tests on tempered glass

Tempered glass resists extraordinary loads and if it fails, it bursts into small, blunt crumbs. Thus, the risk of injuries is significantly decreased.

The strength of this kind of glass can be tested with static puncture tests according to ISO 614.

The static puncture tests are carried out on a work table that consists of 2 parallel aluminium heavy duty profiles at intervals of 570 mm. The profiles have T-slots on their upper surface for the installation of equipment. Depending on the equipment needed, the static puncture testing device or the 4-point bending device can be mounted or substituted quickly and easily. The equipment for the static puncture tests is designed for standard specimen shapes A and B.

Bending tests on glass with the 4-point method

The building industry often uses special types of safety glass, e.g. in high-rise buildings. In order to ensure high material qualities it is necessary to execute special bending tests. The testing machine Inspekt S 50 allows for both 3- and 4-point bending tests.

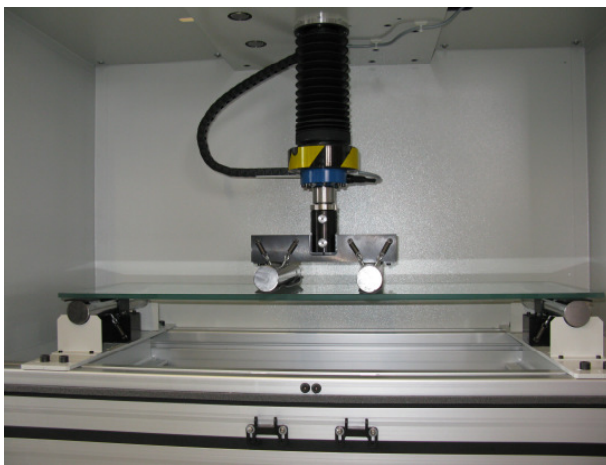
Industrial safety equipment for safety during material testing

If the material test results in the breakage of glass, the remains can be easily disposed with the integrated collecting tray. Additionally, the Inspekt S 50 is completely enclosed to avoid any danger to the operating personnel. The protective covering on the front consists of a double wing door, which covers the entire test room. An electronic lock is available as an option.

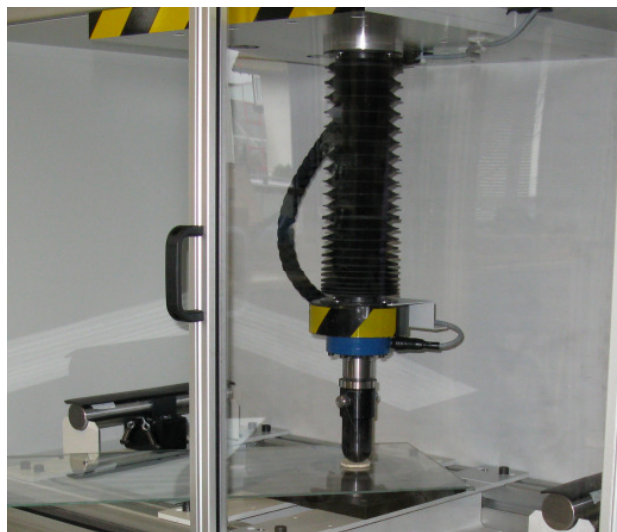
Easy operation and immediate evaluation of measuring results

The test room can be easily accessed, even with additional lifting aids, on the front of the machine, which makes the operation of the machine very easy. It is equipped with the well-proven control electronics of the Inspekt table series.

The tests are evaluated with the help of the universal material testing software LabMaster.



**4-point bending test according to
DIN EN 1288-3**



Static puncture test according to ISO 614