BenchPro
(Test Report)

BSI
The European Standard EN 13150:2001
has the status of a British Standard.
**Workbenches for laboratories – Dimensions, Safety requirements and test methods.*

Test Name: A.3.3. Sustained Vertical Load Test.

Start Date: 06/12/13

End Date: 06/14/13

Type Workbenches:

K- Series Workbench 30”X60”

Test Workbenches:
***Anex A (normative)**


Vertical Static Load

Applicability:
Can be used for all types of workbenches.

Purpose of the test:

The aim of the sustained vertical load test is to check that any deflection developed due to longterm loading of the horizontal surfaces remains within limits which are acceptable in respect of safety.

Test Setup:

Parameter: Load= 1.25 kg/ dm^2 = 145 kg.

Time= 24 hours. .

Test Procedures:

A.3.3.- Sustained Vertical load test.The test is only carried out if the vertical static load test shows deflections of the work surface affecting the safety of the workbench.

Load the work surface with an uniformly distributed load as specified in Table 3 (1.25 kg/dm^2), an leave it loaded for 24 hours.

The following measurements shall be made:

a) Deviation from straight before loading;
b) Deflection after 24 h when loaded
c) Deflection after 24 h after unloading.

Results:

a) Deviation measurements (inches) before loading:

Points.	A	B	C	D
Frame :	26.12.	26.12	26.12	25.94
Top :	29.25	29.32	29.25	29.12

b) Deflection after 24 h when loaded:

Points.	A	B	C	D
Frame :	26.06.	26.06	26.12	25.8
Top :	29.00	29.25	29.25	29.12

c) Deflection after 24h after unloading.

Points.	A	B	C	D
Frame :	26.00	26.06	26.12	25.9
Top :	29.18	29.25	29.42	29.12

Conclusion: Acceptable Level,

After the tests was found the deflection due to vertical load test applied are within safety limits, and there wasn't affected any parts of the workbench; we found that all the workbench parts are in good conditions, legs, frame and top.

Pass	**X**
Video	**X**
