# 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.

Date: JULY-02-2013\_\_\_ TO JULY 09-2013

## Type Workbenches:

**B.4 – VERTICAL FATIGUE TEST** 

30x60 K series workbench.

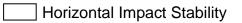
## Test Workbenches: \*Anex A (normative)

Horizontal Static Load

Vertical Static Load

Sustained Vertical Load if Required

Defletion of Workbench Shelves





Drop

## \*Anex B (informative)



Fatigue Test

Horizontal Fatigue Test

Vertical Impact Test

**Purpose of the test:** Evaluate the ability of the workbenches to withstand fatigue stresses and wear caused by vertical forces on the workbench top.

Test Setup: Table B.1. Vertical Fatigue

Parameter: Force=300 newtons...=5 bar, (72.5 PSI - lb/plg2),

Value = 20,000 Cycles.....

# **Test Procedures**

Apply the selected vertical downward force table B.1.(force = 300 N, Cycles=20,000), to the top at the most adverse position 100 mm from the top edge of the workbench, the loading pad centre being at 100 mm from the workbench top edge. Maintain the force for at least 2 seconds. Remove it for 2 seconds before the next application. Carry out the number of selected cycles as given in table B.1.

**OPINION,** Acceptable Level:

The goal test was pass with 20,000 cycles alternatively and load force 300 newtons, and the test was continued 10,000 more cycles without any problems. After test the frame ,legs, and top after the test are on good conditions.

Pass	Х
Video	Х
Photo	Х