

GT-L50**Universal Tables And Chairs Testing Machines****Application**

Universal test field for alternating bending load tests on chairs according to EN 1335-3, EN 581-2-3, EN 1728, BIFMA X5.1, and for vertical and horizontal table tests, according to EN 527-3 and EN 581-3, 4 cylinders, plc-controlled

Consisting of:

- ✧ Box frame 2,5 x 2,5 m, 2 m high, screwed and stabilised with gusset plates at the corners,
- ✧ 2 vertical and 1 horizontal beams to take up the cylinders, connectors for the beams
the box frame bases on 4 bed plates 1250 x 1250mm, 12mm strong, material steel galvanised, drilling pattern with thread M10 plc-controlling, start/stop/emergency stop, with freely definable number of cycles and cycle times
- ✧ 2 cylinders 50 x 500 mm with clamping adapter for horizontal load with two galvanized tubes to increase the reach to 500 and 1500 mm, with balancing weight
- ✧ 2 cylinders 80 x 500 for vertical load, stiffly installed on an extension of the crossbeam
- ✧ 2 load pads, rounded up, diameter 50mm, for horizontal table test
- ✧ 2 load pads, rounded up, diameter 100mm, with cardanic clamping connection for vertical table test
- ✧ 1 load pad 250 x 200 for back rest test acc. to EN 1335
- ✧ 1 seat shape for seat rest test acc. to EN 1728
- ✧ 1 set of arm rest loading pads, adjustably
- ✧ 1 set of fixing elements for chairs and tables

Key Specification

field of application	tests acc. to in development and quality control during batch production
test objects	chairs, revolving chairs, armchairs, stools, rocking chairs, tables, desks
system configuration	test field for alternating bending load tests for: <ul style="list-style-type: none"> ● seat, back rest, arm rest and side to side at seating furniture. ● horizontal and vertical tests on tables
parameter limits	loads: up to 2500 N (cylinder 80mm) up to 1500 N (cylinder 50mm) distances: up to 500 mm stroke number of cycles: 1 — 9.999.999
test procedure	test pieces are subjected either to the entire test procedure prescribed by the standards or to selected individual tests
supply of compressed air	6 bar, up to 400l/min, quality in acc. to ISO/DIS 8573 — 1 (connection via clutch NG3 and 1/2" pipe) residual oil content better class 1 (oil-free) residual dust content better class 1 residual water content better class 4
maximum number of steps for each cycle	8
input plc-control unit	230V/50Hz, max. 500 W
dimensions of the test rig	2650 x 2650 x 2200 (length x width x height)
weight	350 kg
optional accessories	round loading pad, diameter 200 mm acc. to EN 1335

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