



Chair Backrest and Tilt Mechanism Durability Test Machine GT-LB13

Product Introduction

Application:

The latest design of the machine has two test functions:

First test is to evaluate the ability of the chairs to withstand fatigue stresses and wear caused by rearward force on the backrest of the chair.

Second test is to evaluate the ability of the tilt mechanism to withstand the fatigue stresses and wear caused by repeated tilting.

Standards:

ANSI/BIFMX5.1 Part 10 ,15,16

Key Specifications

| | | |
|------------------------------|--|-----------------------------|
| Model | GT-LB13 | |
| Load cell capacity | 2000N | |
| Seat load weights | 102kg(225Lb) (weights Accumulation) | |
| Back loading force value | 334N(75Lb)/445N(100Lb)/ Can be set | |
| Back loading position | Backrest height>452mm | 406mm |
| | Backrest height<452mm | Load on the top of backrest |
| Back loading force direction | Angle | 90° ±10° |
| Test speed | 10~30 times/min | |
| Test Times | 0~999 999 times, settable | |
| Force adjustment method | Servo valve + Force sensor | |
| Control | PLC touch screen control | |
| Dimensions(W*D*H) | 136*66*140 cm | |
| Gas source | Stable gas supply(> 6kgf/cm ²) | |
| Power | 1 φ ,AC220V, 50/60 HZ 3A | |

Applications Industry

All kinds of chair products can be tested on the Chair Backrest and Tilt Mechanism Durability Test Machine



Armchair



leisure chair



office chair