

# HD-F738 椅子综合测试仪

## HD-F738 Chair Universal Test Machine



### 主要功能 Product description

本综合试验机可以进行椅子的各种测试，满足以下规定要求：BIFMA X5.1，QB/T2280等。也可以根据国家进行家具测试。用户可以通过简单快捷的调整，完成椅子椅座-椅背、扶手、两侧等部位的力学性能测试

The machine is designed to test chair strength and durability, it can meet BIFMA X5.1, QB/T228, EN1335, EN 1728 and other chair test standards. Customer can perform chair seat, back, arm and other parts test through a series simple adjustment.

### 主要技术参数 Technical parameters

- 1.1 组拉力结构，通过伺服电机和带子滑轮架构，将转动的力度转化为拉力，并辅以力值传感器正确读取拉力，闭环式控制伺服电机的动作，实现多项拉力。静态和循环的测试。拉力和速度均可自由设定。
2. 每组气动制动器前端配有快速接头，方便更换不同的加载块和夹具
3. 控制器作用 P L C 和彩色触摸屏，操控界面简单合理、图形化表示，更方便任何操作者使用
4. 椅子座面载入力：5~200kg
5. 椅子靠背载入力：5~100kg
6. 2组气动致动器可做10度活动式倾斜安装或垂直固定式安装。另外2组水平安装致动器可作椅脚水平推力测试，此两组水平安装制动器调节范围最低为20mm，最高为250mm，最大推力为60kg。
7. 扶手高度调节范围：550mm ~950mm
8. 推力可调，持压时间可调
9. 测试速率：10~30次/min
10. 电压：220 ~ 240 V, 1500W
11. 压缩空气压力：6kg/cm<sup>2</sup>

1. Tension mechanism, servo motor and the strap pulley architecture, the intensity of the rotation transformed into tension and supplemented force values turn sensor read correctly tension, the action of the closed-loop control of servo motor to achieve a number of pull. Static and cyclic testing. Rally and speed can be set free.

2. The bottom plate of the test machine drilling multiple rows of screw holes for easy installation of different attachments and fixed test conditions.

3. Control mode: PLC with LCD touch screen

4. Seat load: 5~200kg

5. Back load: 5~100kg

6. 2 groups of pneumatic actuators can be 10 degrees movable canted or vertical fixed mounting. Another 2 groups of horizontal mounting actuator for chair legs horizontal thrust test, which minimum adjustment range of 20mm, up to 250mm, maximum thrust to 60kg.

7. Armrest height adjustment range: 550mm ~ 950mm

8. The applied force and holding time is adjustable

9. Test speed: 10 to 30 times / min

10. Power: 1 Phase, AC 220~240V, 1500W

11. Air source: 6kg/cm<sup>2</sup>