

**KW-BFM-10 -2**

椅子靠背测试机(前推式)

**Chair Backrest Tester (Front Push)**

注册专利:

ZL 2012 2 171244.2 (实用新型)

**Technical:**

Field of application	ANSI/BIFMA X5.1-2011 10 Tilt Mechanism Test - Cyclic	椅子靠背后倾机构耐久测试
	ANSI/BIFMA X5.1-2011 15 Backrest Durability Test - Cyclic - Type I	椅子靠背耐久性测试
	ANSI/BIFMA X5.1-2011 16 Backrest Durability Test - Cyclic - Type II and Type III	
	ANSI/BIFMA X5.4-2005 21 Tilt Mechanism Test - Cyclic	沙发后倾机构耐久测试
Working Rationale	1 Imitate human body sat in a chair and lean back action to test the back performance.	
	2 Place 250lbs 16 dia sand bag in the seat, apply a force that is initially 90 degrees $\pm$ 10 degrees to the plane of the backrest.	
	3. Repeatedly applied requested force to backrest by the autocontrol.	
	4 Record the testing cycle, evaluate the product performance.	

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Structure Characteristics	1.Touch screen input / output test parameters, PLC procedures to control the test process.				
	2.All parameter setting have power stopping memory function, to avoid test data loss.				
	3.Adjustable height of beam, beam can rotate 90 degrees.				
	4.Aluminum frame, stainless steel base plate.Assemble 4 casters, easy move.				
	5.Precision pressure sensor detects air pressure value,through the power controller to controls the input pressure and control the output of the cylinder .				
	6 When the form-device left the Backrest, the back will return the original state without any resistance.				
	7.RPM dispaly can be adjusted.				
Parameter	1 More than 150kg out-force.				
	2 More than 1000mm testing platform				
	3 600mm Air cylinder traveling				
	Hight ajustment: 600-1600mm.				
	Rotation: 90 degree				
	Max Air cylinder Cyclic rate: 20 RPM;				
Control System	Multi-function for adjustable hight,out-force degree and rotation.				
	Out-force and travel distance for control				
	Touch screen+PLC,power off memory and breakpoint stop function.				
Main parts	Part Name	Function	Mode No	Brand	Origin
	Motor	Up-down	Not Provide	东方	Zhejiang
	Air cylinder	Provide the loading	63*600	亚德客	NingBo
	Electromagnetic valve	Cylinder reversing	4V310-10	亚德客	NingBo
	Precision	Out-force	Not provide	山耐斯	Wenzhou
	Touch Screen	Input / output control	7"	威纶通	Taiwan
	PLC	Control circuit	No	KINGWELLS	Dongguan
Power	220VAC 2A				
Gas source	AP: ≥0.5MPa; FR: ≥800L/min, filtering water, drying treatment.				
Installation and transportation	Main Size	L1400xW1000xH1800mm.			
	Weight	180 Kgs			
Standard accessories ( Attach )	KW-BFM-02 Diameter 16" Seating Bag ;				
	KW-BFM-03 Form-fitting Device 1PCS				
	KW-BFM-04 Standard Test Bag(Mass) 50PCS ( 5LBS/PCS)				

**Kingwells**

东莞市锦辉试验设备制造厂

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