

## FIRA UPRIGHT CHAIR TEST MACHINE

**CAPABILITIES:** Static and durability testing of upright (non swivel chair) seating.



### DESCRIPTION:

This pneumatically-operated, electronically controlled test machine can be utilised to carry out static and fatigue tests on the seat and back of upright chairs and small upholstered chairs.

The machine provides an accurate test facility for every type and style of chair, irrespective of materials incorporated into the model. It specifically incorporates a large back deflection capability which is important for testing and analysing faults associated, for example, with the more flexible plastic chair or tilting style of chair.

During normal operation the seat and back are loaded simultaneously.

The machine features full adjustability to cope with differing heights and angles of back rest.

The machine is supplied with over load and over travel switches to automatically cut out loads in the event of failure.

The output from the machine may be connected to an optional datalogger.

**THIS EQUIPMENT IS CAPABLE OF TESTING TO THE FOLLOWING STANDARDS:**

BS 4875 Part 1	Domestic Seating
ENV 581-2	Safety of Outdoor Seating
EN 1728	Test Methods for Domestic Seating
EN 1729-2	Chairs and Tables for Educational Institutions
ENV 12520	Safety of Domestic Seating
EN 12727	Stadium Seating
EN 15373	Seating for Contract (Public Use)
EN 13761	Office Visitor Chairs
ISO 7173	Chairs
ISO/WD 21015	Office Work Chairs
FIRA/FRQG C002	Children's Seating

**Specification:**

Load Application:	Seat:	0 – 2,000N (subject to air supply)
	Back load:	0 – 700N (subject to air supply)

Dimensions:	Height	2730 mm
	Width	920 mm
	Depth	1600 mm

Power Supply:	230/250V	50Hz	5 amps
---------------	----------	------	--------

Air Supply:	80 psi
-------------	--------

**Shipping:**

Dimensions Packed:	Height	2010 mm
	Width	1020 mm
	Depth	2200 mm

Gross Weight:	410 kgs
Nett Weight:	235 kgs

**For more information please contact Phil Reynolds on 01438 777700 or email [preynolds@fira.co.uk](mailto:preynolds@fira.co.uk)**