

FIRA SINGLE CYLINDER TEST MACHINE



CAPABILITIES: Static and durability testing of seating, tables, beds and cabinets



DESCRIPTION:

This versatile machine is capable of carrying out static and fatigue tests with a single head at any angle from vertical to horizontal. It is essential for progressing leg sideways static load tests in all chair standards as well as for testing stools and tables.

With adaptation in terms of height and reach the same machine may be used for testing beds and bunk beds.

The machine is capable of performing seat and back fatigue and static load tests on all types of chairs including upholstered chairs and settees.

Seat and back fatigue tests on this machine are performed separately as combined sequencing is not possible with only one cylinder.

The machine is capable of accepting a variety of different loading pads to suit all types of furniture.

The machine features a counterbalanced arm for rapid height changes.

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 data-logger.

THIS EQUIPMENT IS CAPABLE OF TESTING TO THE FOLLOWING STANDARDS:

EN 527-3	Office Desking
ENV 581-2	Safety of Outdoor Seating
EN 581-3	Safety of Outdoor Tables
EN 747 Part 2	Bunk Beds
EN 1335-3	Office Seating – 110 kg/8 hour a day user
EN 1725	Domestic Beds
EN 1728	Test Methods for Domestic Seating
EN 1729-2	Chairs and Tables for Educational Institutions
EN 1730	Test Methods for Domestic Tables
ENV 12520	Safety of Domestic Seating
ENV 12521	Safety of Domestic Tables
EN 13761	Office Visitor Chairs
EN 12727	Stadium Seating
EN 14073 Part 3	Office Storage Furniture
EN 14749	Domestic and Kitchen Storage Units and Worktops
EN 15372	Contract Tables
EN 15373	Seating for Contract (Public Use)
ISO 7170	Storage (Cabinet) Furniture – strength and durability
ISO 7171	Storage (Cabinet) Furniture – stability
ISO 7172	Tables – stability
ISO 7173	Chairs
ISO 21016	Office Desking
BS 4875 Part 1	Domestic Seating
BS 4875 Part 5	Domestic Tables
BS 4875 Part 7	Domestic & Contract Storage Furniture
BS 5873-4	Educational Storage Furniture
BS 7376	Domestic & Contract Glass Tables
BS 6222 Part 2	Kitchen Furniture
BS 5459-2	Office Seating – 150kg/24 hour a day user
BS 8509	Junior Beds
FIRA/FRQG C002	Children's Seating
FIRA/FRQG C003	Children's Tables

Specification:

Load Application:	0 – 2,000N (subject to air supply)		
Dimensions:	Height	1650 mm	
	Width	800 mm	
	Depth	1000 mm	
Power Supply:	240V Single Phase	50Hz	5 amps
Air Supply:	80 psi		

Shipping:

Dimensions Packed:	Height	1800 mm
	Width	920 mm
	Depth	1300 mm
Gross Weight:	278 kgs	
Nett Weight:	175 kgs	

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