

Multi-Task Testing Machine

This machine comes equipped with six unique ball screw linear actuators to apply loads and position with a high level of accuracy. Each actuator is mounted to a system of linear bearings which allow vertical, horizontal, and applications of loads at angles. The six actuators can be electronically linked to create a single six actuator articulated test, six individual tests, or almost any combination required.

Features:

- 14 inches of travel for each actuator. Positioning accuracy - ± 0.010 ".
- 400 lb load capacity. Each actuator equipped with a 1000 lb capacity fatigue rated Interface load cell. Loading accuracy - $\pm 2\%$ (5lbs max)
- Each actuator can move at up to 500 inches per minute.
- Quiet servo/ball screw drive with controlled acceleration and deceleration.
- All load, cycle rate, position and speed adjustments can be made from the computer
- Computer control system comes equipped with data acquisition to track deflection and loads/overloads.
- Easy adjustment of lightweight actuator for application in vertical and horizontal axis.
- Ability to drive loads at angles, vertical, and horizontal .
- The software serves as a real-time operating system. This translates into reliability! Complete control without computer glitches.

BIFMA Tests this machine can perform:

X5.1-2002 General Purpose Office Chair Tests

- 5, 6 - Back Strength Tests
- 11 - Seating Durability Test - (2nd part - alternating)
- 13 - Arm Strength - Vertical
- 14 - Arm Strength - Horizontal
- 15, 16 - Back Durability Tests - Cyclic
- 19 - Footrest Durability
- 20 - Arm Durability Test - Cyclic
- 22 - Tablet Arm Static Load
- 23 - Tablet Arm Load Ease

X5.4-2005 Lounge Seating Tests

- *All tests similar to X5.1 for 1 to 3 seating positions
- 11 - Arm Durability Horizontal
- 15 - Structural Durability

GSA Tests this machine can perform:

FNAE-80-214A Upholstered Furniture Test Method

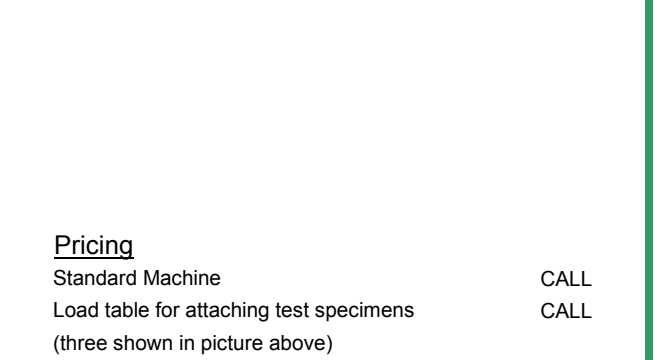
- 7.1 Seat Load Test - 1 to 3 seating positions
- 7.2.3.1 Backrest Foundation Test - 1 to 3 seating positions
- 7.2.3.2 Backrest Frame Test - 1 to 3 seating positions
- 7.3 Side-thrust Load Test - Arm
- 7.4 Side-thrust Load Test - Leg
- 7.5 Front to Back Load Test for Legs

FNEW-83-269E Performance Test Method for Intensive Use Chairs

- 4.1 Cyclic Back and Back Tilt Mechanism Fatigue Test
- 4.2 Cyclic Increasing Back Load Test
- 4.4 Cyclic Vertical Load Test on Arms
- 4.5 Cyclic Side Trust Load Test on Arms

* Many more capabilities for your proprietary tests.

Power Requirements: 200-250VAC 3 Phase 30 Amps. 200-250VAC 1 Phase with reduced maximum speed. Optional 480VAC 3 Phase.



Pricing

Standard Machine

CALL

Load table for attaching test specimens

CALL

(three shown in picture above)



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