

Sofa Durability Tester

This tester uses mechanical adjustments, reverse side loading, rail loading, seat surface loading, and pneumatic system components. It is PLC controlled and uses compressed air as a loading power supply.



Product Overview

Professional Sofa Durability Testing System

This advanced durability tester is engineered to evaluate the structural integrity and long-term performance of upholstered furniture. By simulating real-world usage through controlled robotic forces, it provides essential data on the repeatability and load capacity of seat, back, and arm components. It is an indispensable tool for quality control departments and furniture testing laboratories aiming to certify product lifespan.

Technical Capabilities

Control & Automation

- Programmable custom test sequences
- Adjustable force levels
- Variable loading patterns
- Configurable cycle counts

Test Areas

Seat Durability, Backrest Testing, Armrest Integrity, Load Capacity Analysis

System Instrumentation

Sensors & Monitoring

- Applied force sensors
- Displacement tracking
- Deformation monitoring
- Robotic arm with interchangeable attachments

Data Reporting

Digital Display • Exportable Test Results