



> innShock

The Cushion Tester is an automated laboratory testing machine designed to assess the damping performance of cushioning materials such as elastomers and felts. It conducts controlled impact tests by automatically dropping a mass from a defined height onto the test sample and measuring the resulting acceleration with an external accelerometer. By adjusting both the drop height and the impact mass, the system simulates real-world shock conditions to precisely evaluate how well a material absorbs energy

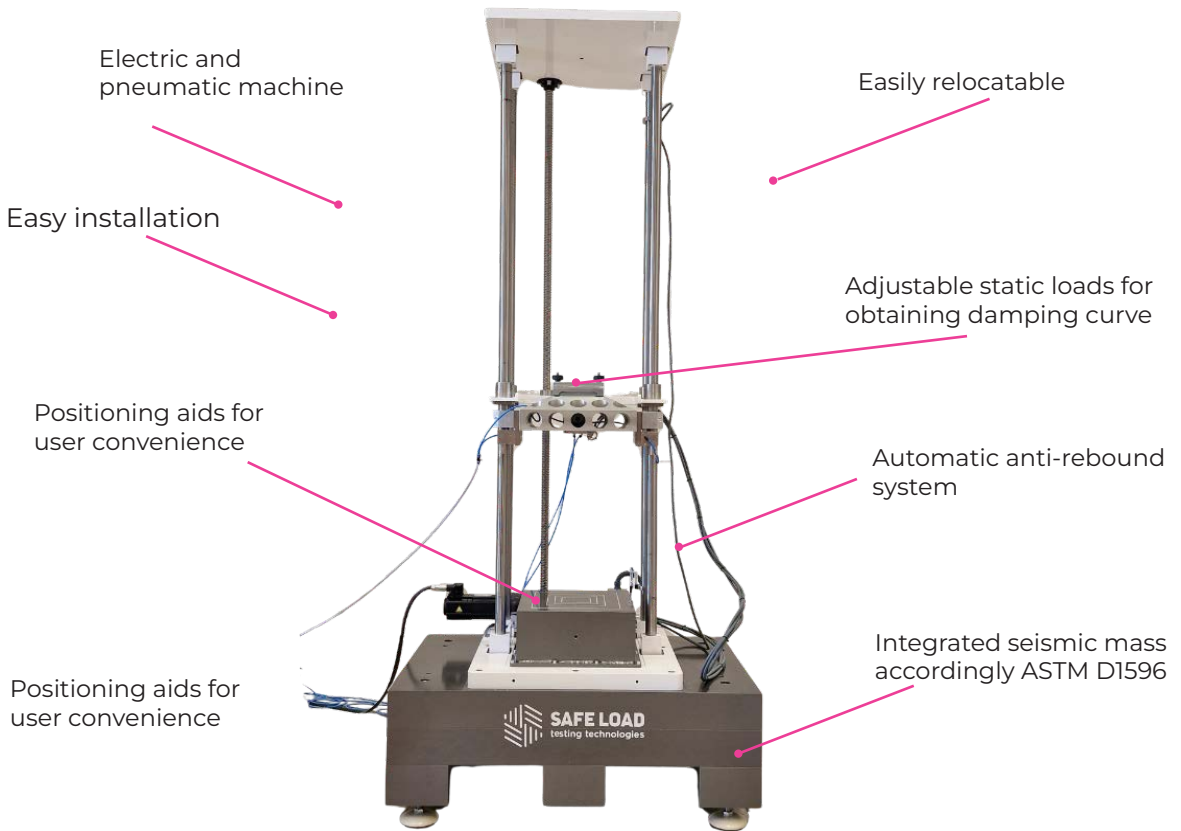


Image: CS10

Obtain accurate cushion curves instantly with maximum ease and reliability.

Perform controlled high-intensity shocks to evaluate the damping properties of the sample unit

Provide valuable insights into optimal product transportation

Minimize losses and costs thanks to optimized packaging.

Industries





IMPACT TEST

Sample thickness (mm)

Target ☒ Drop Height (mm) After the test ☐ Return to test position

☐ Impact velocity (m/s) ☐ Return to load position

 **TEST** 

Image: Controller CS10



IMPACT TEST

GO TO LOAD POSITION

GO TO TEST POSITION

Position mm

Drop H. (mm)	1000
Impact V. (m/s)	2.50

LAUNCH **STOP**

Plat. latched ☐

Image: Controller CS10



MAIN MENU

MANUAL

IMPACT TEST

REPEATED IMPACT TEST

Image: Controller CS10

Technical specifications

- Optimized expander for performing cushion tests
- Fully automatic machine
- Automatic anti-rebound system
- Pneumatic brakes
- Automatic positioning control
- High precision and repeatability
- Multiple operating modes:
 - Single drop mode
 - Repeated drop mode → includes programmed wait time and integrated restitution time

Impact Tests supported

- ASTM D1596

** This is a representative list of standard tests the machine can perform. Others may be available - contact our sales team for more information.*

Optional accessories

- Ballast kit II y III

 **innData**

Europe Headquarters

C/Velluters 1, nave 9.
46980 Paterna - Valencia (Spain)

Office: +34 963929595
Sales: +34 689797409 / +34 672387614
Email: contact@safeloadtesting.com

www.safeloadtesting.com

America Headquarters

120 NE 27TH STREET #900
Miami, FL 33132 (USA)

Tech Support: +1 773 692 6363
Sales: +1 909-996-7442 / +1 813-815-2419
Email: contact@safeloadtesting-usa.com

www.safeloadtesting-usa.com