# Vertical Rebound Resilience Tester – GenRebound

**Standards:** ASTM D3574, ISO 8307

- ULTIMATE USER-FRIENDLINESS
- LEADING DEPENDABILITY AND RELIABILITY
- STRICT COMPLIANCE WITH INDUSTRY STANDARDS
- STOCKED CONSUMABLES AND SPARES
- TRUSTED AFTER SALES TECHNICAL SUPPORT
- LIFETIME PRODUCT SUPPORT ADVANTAGE

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## Description

### Digital Ball Vertical Rebound Resilience Tester

Vertical Rebound Resilience Tester is a device designed to test resilience of materials such as foam, polyurethane and other similar materials. The unit comes certified in accordance with ASTM D3574 industry standards. The test consists of a 16mm magnetic ball dropping freely onto a sample from a specified height of 500mm. The electronic console unit that comes standard with this instrument will show the measured value and calculate the proportion of the average value in %. After the test completion, a sensor placed close to the holder ensures that the ball is returns to the home position.

### Digital Ball Rebound Resilience Tester Features

- Plug-n-Play System
- Extremely Easy to Learn to Operate
- Short Measuring Cycle
- USB Port

- Test cycle, measured values, median value in %, status and operating instructions output to 4-line LCD
- No Calibration Requirements

## Digital Ball Rebound Resilience Tester Technical Specifications

| | |
|---|---|
| **Drop Distance of Steel ball** | ISO 8307 ASTM D357: 500mm GB/T6670: 460+0.5%mm |
| **Diameter of steel ball** | Φ16-0.1mm |
| **Steel ball quality** | 16.7g |
| **Accuracy of rebound rate of falling ball** | <1.5% |
| **Sample Size** | 100mm×100mm×50mm |
| **Power Supply** | 1ϕ，AC220V/50HZ |

## Analogue Ball Rebound Resilience Tester

GenRebound tests the resilience of rubber compounds. The machine must be adjusted in a horizontal position and the plunger raised at a specific height. The plunger is then released onto the specimen for a given number of impacts. The measurements are based on the 4th, 5th, and 6th impacts. The average of the three (3) measurements is then calculated for the test result. The machine is highly useful in production of compounds designed to absorb vibration or shock according to the ASTM standards.

## The Operating Process Of Analogue Ball Rebound Resilience Tester

The resiliometer is based on the vertical free-fall hammer method to test the elasticity of rubber materials. First adjust the tester level the elevation degree of drop hammer. Place the test films 14mm from the edge of the specimen. The first three tests are not used for record. Use only the average reading of the fourth, fifth and sixth tests.

## Analogue Ball Rebound Resilience Tester Technical Specifications

| | |
|---|---|
| **Drop Height** | 40 cm |
| **Hammer Weight** | 28 g |
| **Dimensions (W x D x H)** | 8.3" x 5.9" x 20.7" / 21x15x52.5 cm |
| **Weight** | 18 bs / 8 kg |

## Watch Video


Watch the Vertical Rebound Resilience Tester – GenRebound product video.

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