



## packaging

CEI's packaging test centre has been developed, in response to customer feedback, to augment the EMC and Safety testing services at our laboratory. Now, rather than having to send the product and its packaging to another laboratory on completion of EMC and Safety, CEI can perform all three under one roof.

### Temperature & Humidity

Our large Thermotron 'walk-in' chamber can accommodate test samples up to 7.5 ft tall.



This facility together with our range of standard and bench-top chambers allow us to cater for most test sample sizes.

Whether you are interested in packaging validation or verifying performance of your electrical/electronics products during design stage we can design a test program to suit your needs.

We are currently in the process of obtaining ISTA certification for our environmental test services.

### Transportation

Validating the performance of your product's packaging is an essential element in ensuring your product arrives at your customer in good condition.

Our V700 Series shaker from Ling is an air-cooled electro-dynamic shaker, suitable for testing small to medium sized payloads, such as individual electronic assemblies and larger units up to 95kg.



Together with the Ling DVC48 controller and associated jigs and fixtures our vibration test solutions allows us to perform:

- Random vibration
- Sine vibration
- Shock/Bump

This test equipment is used primarily by clients to demonstrate compliance with IEC/EN 60068 or ASTM standards. We can also design a test program to suit your in-house product specifications.

### IP Testing

We can assess your product for compliance with EN60529 water ingress codes IPX2 to IPX6.

## factsheet

### Temperature & Humidity

#### Walk-in

Volume 605 ft<sup>3</sup>  
Range -34°C to +85°C  
Humidity 20% to 95% RH  
Cooling 1°C/min  
Heating 1.5°C/min

#### Benchtop

Volume 18 ft<sup>3</sup>  
Range -20°C to +150°C

### IP Testing

#### Water Ingress

IP X2 to X6



### Transportation

#### Frequency Range

DC – 4000Hz

#### Max Velocity (sine)

0.7m/s peak

#### Max Accel (sine)

70g pk

#### Max Accel(random)

45g rms

#### Displacement

25.4mm (pk-pk)

#### Force (sine)

2,958N (pk)

#### Force (random)

1,899N (rms)

#### Load Support

95kg