



## Package Testing 500 litre Drum Drop Test

### The Customer Challenge

The customer required two drop tests on two prepared 500 litre drums from heights of 10m and 15m. The purpose was to assess the impact performance in order to validate the finite element impact profile.

### The Inutec Solution

Inutec was able to provide a drop test programme consisting of two drops onto a flat unyielding target with the package in a centre of gravity over the lid edge orientation.

For this particular programme Inutec took delivery of the drums, prepared the drums, set up the drops to the customer's requirements and then carried out the

testing. After testing Inutec recovered the two drums and completed the analysis and assessment of the performance.

Data from the two drop tests consisted of detailed metrology, high speed digital video and photogrammetric profile of the impact event.

### Value to Customers

The high quality test information provided by Inutec from the successful drop test programme allowed the customer to validate the finite element impact profile without the need for a further drop test programme. This saved the customer a minimum of £50k.

### Inutec Contact

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