

Tilt Testing

If it moves, Millbrook can measure it.
Virtually any vehicle system or parameter can be logged.

Applications and capabilities

- Provides the ability to test all kinds of vehicles, from small cars and off highway vehicles to the largest military vehicles and double deck buses
- Determines roll stability requirements, measurement of vehicle roll over angle and height of the vehicle's centre of gravity
- Variable testing – the tilt table allows testing to the requirements of the customer, whether that is first wheel lift, second wheel lift or all the way to roll over
- VCA engineers on site
- RDW approval for ECE R107
- Approved site for ECE R107 and BS EN 1846-2 (fire appliances)
- Vehicle roll angles can be logged accurately, independently of the tilt table angle
- On-site weighing facilities provide an accurate vehicle weight, along with the ability to measure axle weights and right-left lateral splits
- Two different tilt speeds; 0,1 deg/sec and 0.3 deg/sec
- Vehicle parameters (e.g. suspension CANBUS) can be logged during the test



Advantages

- Tilt Table rated to a load of 42,000kg, with an angle of up to 45 degrees
- Tilt platform area 9.0m x 3.2m
- Two tilt speeds to allow for fine adjustments at point of roll over
- Ability to log vehicle data during tilt
- On-site weighing facilities to ensure accurate vehicle test weight
- RDW technical service / VCA on site
- Calibrated equipment to ensure precise tilt angle remote control operation allows the operator to watch the vehicle closely from all angles

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