

## ServoSled Laboratory

Reverse accelerating linear shock testing to simulate physical crash conditions in order to validate/correlate against global standards or customer requirements.

### Resources

ServoSled laboratory, dummy certification laboratory, instrumentation and photographic laboratory and data-processing resources and experienced test and project engineers. Sled system to simulate physical crash conditions in order to validate/correlate against global standards or customer requirements.

### Applications and capabilities

ServoSled Test Facility:

- 12" ServoSled, sled system
- Maximum speed 90km/h (56mph)
- Maximum acceleration 80g
- Servo-hydraulic pulse control
- Highly accurate and repeatable acceleration and velocity profiles with extremely high frequency response
- Extensive experience in automotive, rail, marine and aerospace sectors testing to worldwide standards

Recognised facility for Healthcare tests, including wheelchair and W.A.V.C.A. (Wheelchair Accessible Vehicle Converters Association)

Tests conducted to:

- Customer in-house requirements and legislative standards
- FMVSS, ECE and EEC and equivalents
- EuroNCAP protocol
- ISO 10542 Parts 1 – 5
- ISO 7176 Part 19
- ISO 16840 Part 4
- ANSI/RESNA WC – 19
- ECE R100
- UN38.3
- FIA 8855-1999
- FIA 8872-2018



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