



## Safety Systems Laboratory

Flexibility to conduct safety systems test and component development to global standards and customer requirements.

### Resources

Safety systems laboratories, dummy certification laboratory, instrumentation laboratory, photographic laboratory and data-processing resources coupled with our experienced test/project engineers. Flexibility to conduct safety systems test and component development to global standards and customer requirements.

### Applications and capabilities

#### Medium – Energy Deceleration Sled:

- Deceleration and impact/crush tests on vehicle and component structures
- ECE R12 Body block
- ECE R12 Linear head impact
- Rig adaptable to customer test requirements

#### Environmental Static Airbag Deployment:

- -40°C to +85°C conditioning (with surface sunload max temperature +120°C)
- Environmental conditioning of front, side, curtain and knee airbags

#### Bumper Pendulum System:

- Testing to worldwide standards including ECE R42, Federal Regulation 581 and CMVSS 215 and equivalents

#### Headform Pendulum Impact Rig:

- Testing to European and Federal standards and equivalents including: ECE R17, R21, R25

#### Pedestrian Test Facility:

- European ECE R127
- Full range of impactors which are calibrated and certified in-house and this service is offered to outside parties
- Full vehicle set-up and mark out to latest regulatory standards

#### Drop tower:

- Gravity drop tower, component testing and model correlation

#### Seat belt anchorage facility:

- ECE R14, FMVSS 210 and 207, and to customer specific requirements

#### Blast testing:

- AEP-55

#### Vehicle sensor immunity testing:

- Misuse and abuse to customer specific requirements

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