

# PASSIVE SAFETY TEST SYSTEMS

ARIES offer turn-key solutions for the automotive testing industry:

- Laboratory definition and specification.
- Civil works design and supervision.
- Testing systems development and supply.
- Commissioning and training.
- Operation, maintenance and after-sales support.

## ABOUT ARIES

- Independent engineering company.
- Founded in 1985.
- Based in Madrid, Spain.
- Presence in over 30 countries.
- More than 1000 systems delivered, installed and supported.



SCAN ME



**AENOR**  
QUALITY  
MANAGEMENT  
ISO 9001  
ER-0121/2019

## ACTUATORS STANDARD PERFORMANCES



Ideal for R&D, regulation compliance and evaluation, ARIES develops full-scale crash test laboratories for complete vehicle structure testing:

- Frontal Impact
- Side Impact
- Rear Impact
- Car-to-Car
- Low Speed
- Rollover
- Integrated Sled

## ACTUATORS STANDARD PERFORMANCES

ARIES sled systems faithfully reproduce inertial effects of real crashes without destroying the vehicle.

**Propulsion:** AC Motor - Bungee Cords

**Deceleration:** Bending Bar - PU Tubes

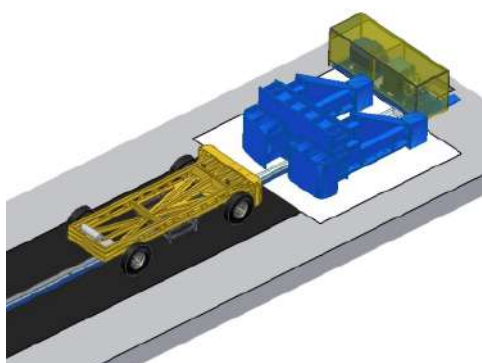


## ACTUATORS STANDARD PERFORMANCES

ARIES has developed various systems for bumper testing to comply with main international standards:

**ECE - FMVSS - CMVSS - RCAR - IIHS - ALLIANZ - ...**

**LOW SPEED CARSH**



**BUMPER PENDULUM**



**GRAVITY IMPACTOR**



## IMPACTOR LAUNCHERS

ARIES launcher family is designed to test pedestrian safety and components.



UNIVERSAL LAUNCHER



LITE LAUNCHER



COMPACT LAUNCHER

The launchers are designed to have the flexibility to install different impact modules: Ejection mitigation, free flight head form, interiors pendulum, leg forms, misuse, knee form, head forms, FMH...



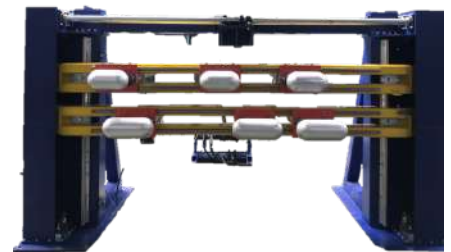
## STATIC TESTING SYSTEM



SEAT BELT ANCHORAGE



SEAT AND HEAD RESTRAINT



SEAT RESISTANCE

## AUXILIARY TESTING EQUIPMENT

ARIES offers integrated turn-key solutions for any passive safety laboratory. From full, multidisciplinary laboratories to auxiliary equipment integrated into existing facilities.



Speed meter



Led lighting system



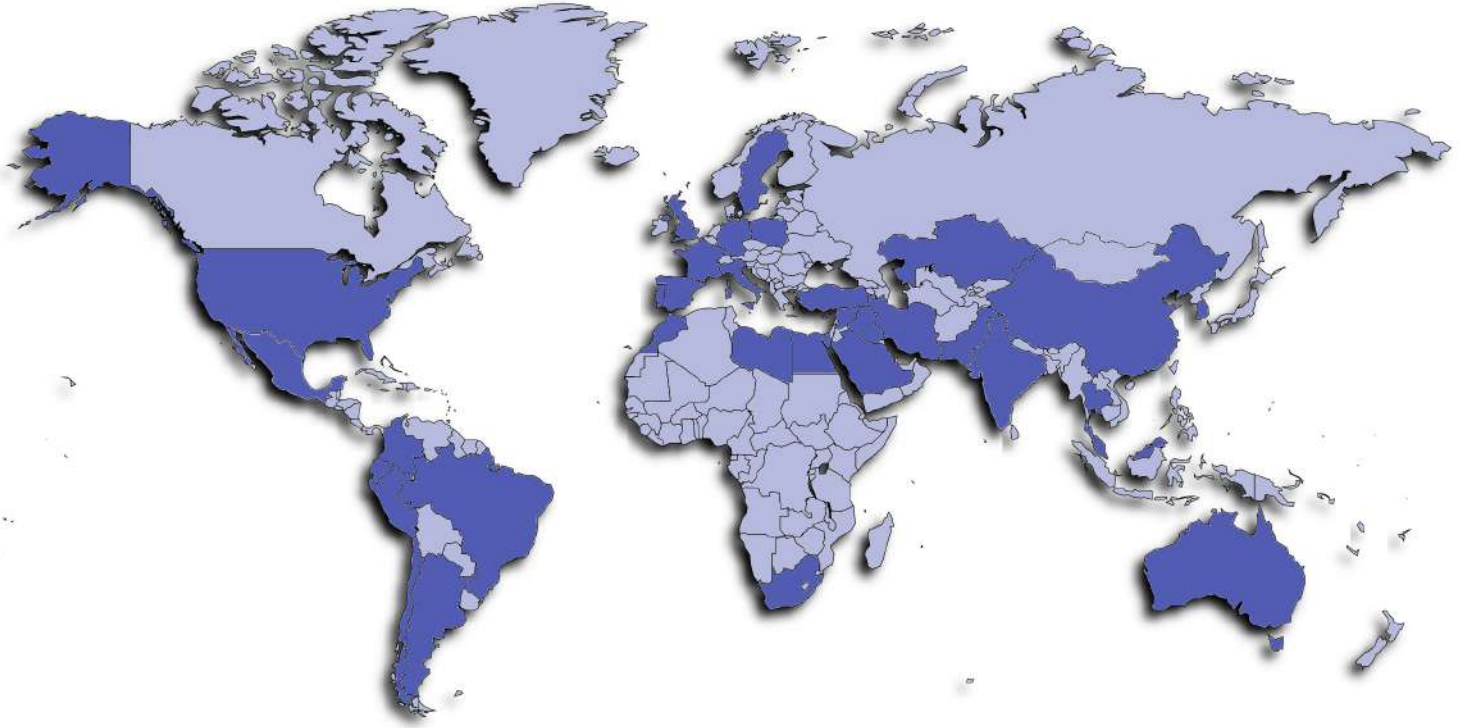
High speed camera



Data acquisition system



On board brake



**SOME OF ARIES CUSTOMERS**

