

## ARIES LAUNCHER FAMILY



**COMPACT**



**LITE**



**UNIVERSAL**

### Automotive pedestrian safety and components impact test system:

- Pedestrian safety, airbags, steering columns, seating components, dashboards, bumpers...
- Performs all international regulatory standard tests,
- Closed control loop ensures high speed and position accuracy
- Modular & flexible, easy set up
- User friendly software Customizable

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## LAUNCHER FAMILY SPECIFICATIONS

|                     |                   |   |  |   |
|---------------------|-------------------|---|--|---|
|                     |                   |  |  |  |
|                     |                   | <b>Universal Launcher</b>   | <b>Lite Launcher</b>   | <b>Compact Launcher</b>   |
| Range of motion     | X disp.*          | 3000 mm   | Optional with bed plate  | Optional with bed plate   |
|                     | Y disp*           | 2000 mm   | 2000 mm  | Optional  |
|                     | Z disp.*          | 2000 mm   | 1500 mm  | 1500 mm   |
|                     | $\alpha$ rotation | Yes   | Yes  | No  |
|                     | $\theta$ rotation | Yes   | No   | No  |
| Max. speed          |                   | Up to 60 km/h   |  |   |
| Max. weight         |                   | Up to 100 kg  |  |   |
| Velocity precision  |                   | $\pm 0.1$ km/h  |  |   |
| Dimensions (LxWxH)* |                   | 5.5 m x 4.8 m x 3.6 m   | 3.7 m 2.7 m x 2.8 m  | 1.7 m x 2.1 m x 2.4 m   |

(\*): Electrical propulsion and different technical specifications under request

## ARIES' launchers comply with all the international testing protocols



## OPTIONAL TESTING MODULES

|   |  | Universal<br>Launcher | Lite<br>Launcher | Compact<br>Launcher |
|---|--|-----------------------|------------------|---------------------|
|    | LIGHT LINEAR GUIDED HEAD FORM          | YES                   | YES              | YES*                |
|    | HEAVY LINEAR GUIDED IMPACTOR<br>MODULE | YES                   | YES              | YES*                |
|    | SEAT AND INTERIORS PENDULUM            | YES                   | YES              | YES*                |
|    | BODY BLOCK                             | YES                   | YES              | YES                 |
|   | EJECTION MITIGATION                    | YES                   | YES              | YES                 |
|  | KNEE FORM                              | YES                   | YES              | YES                 |
|  | MISUSE                                 | YES                   | YES              | YES*                |
|  | FREE FLIGHT HEAD FORM                  | YES                   | YES*             | -                   |
|  | APLI LEG FORM                          | YES                   | YES*             | -                   |
|  | FLEX-PLI LEG FORM                      | YES                   | YES*             | -                   |
|  | UPPER LEG FORM                         | YES                   | YES*             | -                   |
|  | FREE MOTION HEAD FORM                  | YES                   | -                | -                   |

(\*) Testing with this impactor could be limited. Please contact ARIES for further information and specifications

## ARIES' WORLDWIDE PRESENCE



## ARIES' LAUNCHER CUSTOMERS



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WORLDWIDE LEADER IN AUTOMOTIVE PASSIVE SAFETY