

UNIVERSAL LAUNCHER

UNIVERSAL SABO LAUNCHER is a modular test system for pedestrian and interior components testing.

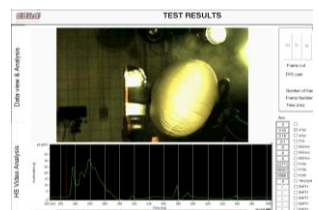
Compact system with high accuracy and reliability.

Robust control system allows the user to manage the different subsystems via user friendly software and remote pendant.

It allows easy installation and commissioning thanks to compact subsystems design.

MAIN FEATURES

- Easy configuration and fast exchange of launching devices. Compact design.
- Electrical propulsion system based on linear motors that assures free maintenance and long lifetime.
- Optimal motion control thanks to custom made developed controller software.
- High repeatability, no need for calibration tests.
- Full digital Control system.
- Integrated data acquisition channels and trigger outputs.
- Remote pendant for easy manual operation.
- Software interface with preconfigured tests database, gravity correction, configuration of aux. equipment and report management.
- Safe Operation thanks to integrated drive safe function (STO).
- Integrated airbag deployment channels with V/A recording.
- Interface with auxiliary devices like HSV, lighting.
- Maximum speed: 16.5 m/s (others upon request)
- Wide range of masses to be propelled



REGULATIONS

- Pedestrian : EU: EC/78/2009, EC/631/2009, EU/2019/2144
UN: R127, GTR 9, CN: GB/T 24550-2009, IN: AIS 100
- Guided Headform: ECE R12, FMVSS 201
- Body Block: ECE R12, FMVSS 203
- Headform Pendulum: ECE R21, FMVSS 202A, ECE R17, R25
- Ejection Mitigation: FMVSS 226
- Free Motion Head Form (FMH): FMVSS 201U

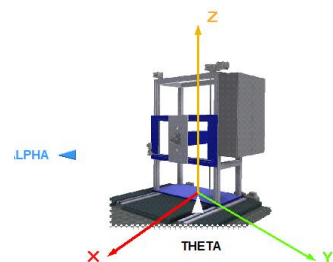
IMPACTORS

- Free Flight Headform
- Pedestrian Legforms
- Upper Legform
- Body Block
- Knee impactor
- FlexPLI
- Guided Headform
- Headform Pendulum
- Ejection Mitigation
- FMH
- Free Motion Headform
- New aPLI



POSITIONING RANGES

- X - longitudinal: ± 1000 mm
- Y - lateral: ± 1000 mm
- Z - vertical: 500 to 3000 mm
- Alpha - elevation: -10° to 90°
- Yaw – base rotation: -180° to 180°



AUXILIARY SYSTEMS

- Speed measurement device
- Data acquisition systems
- Instrumented impactors
- High Speed video filming
- Airbag deployment system
- Bedplate
- Lighting
- Calibration rigs

