



E-Liner UNIVERSAL M & PED LEG

Pedestrian Protection

The E-Liner technology is the only system capable of meeting your test speed requirements with an accuracy in the hundredths of kph – without preliminary tests!

The acceleration device E-Liner PED LEG is mounted on the mobile E-Liner UNIVERSAL M positioning unit.

E-Liner PED LEG serves to launch the following impactors:

- Upper legform
- Lower legform
- Flex PLI GTR (with UBM)
- PDI II
- aPLI

Further testing possibilities:

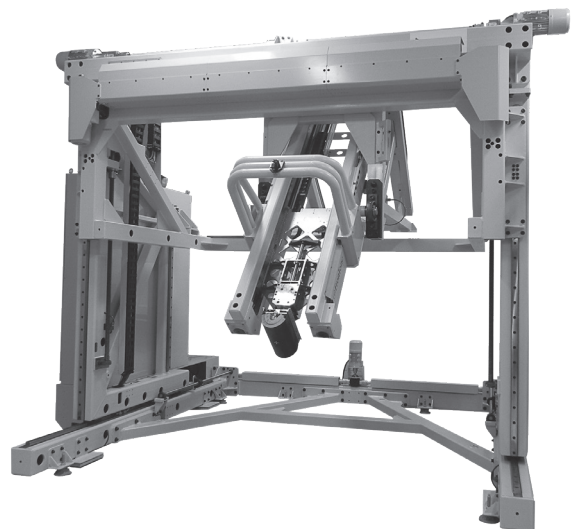
- Sensor tests with fire and no-fire impactors
- Bodyblock tests
- Guided 6,8 kg head impact tests
- ECE-R12 pendulum tests

The following regulations are thereby fulfilled:

EU 78/2009, 631/2009, Euro NCAP, Trias 63, Japan NCAP, MLIT 619 and GTR.

BENEFITS AT A GLANCE

- No preliminary tests needed
- Jerk-free acceleration
- Highest precision and repeatability
- Virtually maintenance-free due to the frictionless drive unit
- Mobile due to air pads underneath the positioning unit
- Intuitive and user-friendly operating software and interface



Technical Specifications



E-LINER UNIVERSAL M POSITIONING UNIT	
Connection Power	3x400 Volt AC+N+PE, 50-60 Hz, 63 ampere and the phase voltage may differ by max. 3%
Compressed Air Connection	Min. 7 bar
Drive	Electrically driven trapezoidal and recirculating ball spindles
Standard Dimensions with Launcher	Width: approx. 4.270 mm; Height: approx. 3.700 mm; Depth: approx. 3.600 mm (rig) / approx. 3.420 mm (launcher front to back of rig)
Traverse Paths (x/y/z – Vehicle Coordinate System)	Appr. 1450/1800/1400 mm
Vertical Angle	+7° to -50°
Positioning Accuracy	< 1mm

E-LINER PED LEG MODULE	
Power	100% electrically driven
Speed	Up to 55 kph
Launcher Speed Accuracy	+/- 0,1 kph
Launcher Repeatability	+/- 0,1 kph
Targeting Precision	Within a radius of 5 mm
Max. Impactor Mass	20,0 kg at 55 kph and +5° vertical
Operating Temperature	0°- +40° C
User Interface	Intuitive and user-friendly
Software	Siemens WinCC

ROOM REQUIREMENTS	
Space Requirements	12x12
Room Height	Min. 4 m
Floor Requirements (Air Pad System)	Acc. to table 3, group 3 in "DIN 18202: Tolerances in building constructions"