

SEAT & HEADREST



- Seat Back Torque: Up to 5 kNm
- Seat Back Angle: 75°
- Headrest Force: 2 kN
- Height Retention: 600 kN

- Slim design for test of small rear seat assemblies
- Automatic head position adjustment
- Automated test procedure & test report

SEAT BELT ANCHORAGE



- Actuators: 3 - 12
- Force: 44 kN/cyl
- Velocity: 0.5 m/s
- Stroke: 1,000 mm

- Smart actuator installation: no attachment from top needed
- Best in class clearance
- Low noise emission

PENDULUM



- Impact speed: 18 to 30 km/h
- Impact angle: 15° to 90°
- Precision: $\pm 0,1$ km/h
- Repeatability: $\pm 0,1$ km/h

- No pretest required
- Excellent velocity & impact accuracy
- Motorized/automatic repositioning of pendulum

DYNAMIC LINEAR TESTING SYSTEM



- Force: 40 kN
- Velocity: 2 m/s
- Stroke: 100 mm

- Testing of seat adjustment components
- Reproducing drop tower and FEA curves
- Bridging the gap between sled/crash testing and quasi static testing

Automotive Passive Safety

A comprehensive range of testing applications

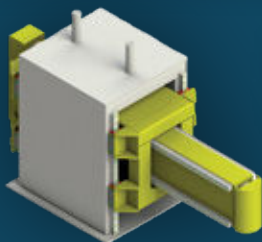
ROOF CRUSH



- Angle around X: -25° to +25°
- Angle around Y: -8° to +8°
- Force: 250 kN
- Stroke: 500 mm

- Unprecedented rigidity
- Laser supported positioning

SIDE INTRUSION



- Force: 300 kN
- Lateral Force: Max. 100 kN
- Stroke: 1,000 mm

- Designed for use on BEV
- Adjustable length of loading device
- Motorized adjustment in Z

FURTHER TESTING APPLICATIONS

- Pedestrian Protection
- Free Motion Head
- Ejection Mitigation
- Linear Impact & Body Block
- Gravity Pendulum
- Multi-Purpose Push/Pull

AFTERMARKET SERVICES

- Upgrades & Modernization
- Calibration services
- Preventive Maintenance
- Repairs: Hydraulic & Electrical expertise
- Training & Consulting
- Worldwide support

Looking for more information? Please contact our competence center for Automotive Test Systems:

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