

## 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

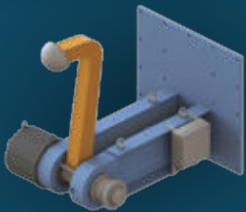
## SEAT BELT ANCHORAGE



- 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: ±0,1 km/h
- Repeatability: ±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

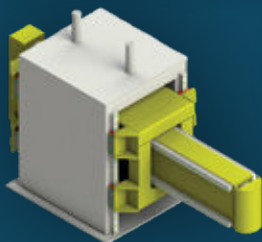
## ROOF CRUSH



- 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:

**OILGEAR**

Oilgear Towler GmbH

+49 (0) 6145 377-0

info@oilgear.de

65795 Hattersheim, Germany

www.oilgear.com

### Europe

#### Oilgear Towler S.A.S.

5, Allée des Frères Montgolfier, 77183 Croissy-Beaubourg, France

#### Oilgear Towler GmbH

Im Gotthelf 8, 65795 Hattersheim, Germany

#### Oilgear Towler S.A.U.

Entidad Zikuñaga, 62, 20120, Hernani, Spain

### Americas

#### The Oilgear Company, World Headquarters

1424 International Drive, Traverse City, MI 49689 USA

#### Oilgear Mexicana S.A.

Calle Argentina 3913, Monterrey, 64930, Mexico

#### Oilgear do Brasil

Av. Ricardo Bassoli Cezare 1009, 13050-080 Campinas, Brazil

### Asia

#### Oilgear Korea

167-3 Techno 2-ro, Yuseong-gu, Daejeon City, 34025, Korea

#### Oilgear China Co., Ltd.

3rd Floor, Bldg. A, No.3500 Xiupu Road, Shanghai, China