

Reconfigurable Seating

From long car rides to carrying cargo we are reshaping the future of the vehicle cabin. Our reconfigurable seating solutions create a second living room on the road.

Purpose

- Mechanisms used to reconfigure your vehicle cabin:
 - Long rails
 - Seat swivel mechanism
 - Stadium cushion

Value Proposition

- BEV skateboard platforms
- Various modes allow for in-vehicle collaboration and accommodating cargo
- Compatible with other rail mounted accessories (consoles, storage bins, etc.)
- Compatible with other seating features such as magnetic accessory interface and ZG Lounger™

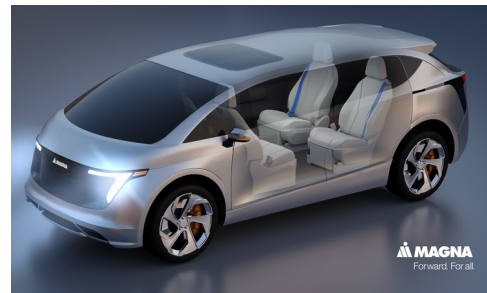


Technical Description

- Quiet & smooth operation provides a luxury experience
- ABTS load capable
- Robust mechanism design
- Manual and Power version available
- Compatible with app control
- 360-degree swivel capability

Next Steps / Timeframe

- In production with OEM



Contact: Kristof Kurzeja / Kristof.Kurzeja@magna.com



Stadium Flip Cushion

Magna stadium flip cushion enables a greater level of interior flexibility to consumers by allowing seats to nest.

Purpose

- Innovative cargo management
- Reconfigurability enabler

Value Proposition

- Manual and power concepts available
- Reduces fore-aft seat package to allow nesting and swiveling of seat
- Can be combined with other Magna technologies to provide a greater level of reconfigurability

Technical Description

- Motor driven cushion allows for hands free operation
- High strength materials allow for lightweight and compact design
- Optimized pivot location for smallest fore-aft package
- Two-step cushion flip allows for excellent bite line craftsmanship

Next Steps / Timeframe

- Patent pending
- Ready for implementation



Contact: Kristof Kurzeja / Kristof.Kurzeja@magna.com

Swivel Mechanism

Redefining mobility by providing flexible seating configurations that allow consumers to transform the vehicle interior for greater comfort, collaboration, and utility.

Purpose

- In vehicle collaboration
- Reconfigurability enabler

Value Proposition

- Power & manual mechanisms concepts available
- Allows for improved ingress/egress for individuals with limited mobility
- Can be combined with other Magna technologies to provide a greater level of reconfigurability

Technical Description

- Low rotational efforts and high rotational stability through use of rolling elements in swivel mechanism
- Quiet & smooth operation provides a luxury experience
- Tubular carrier module enhances design flexibility and adaptability while reducing mass
- ABTS load capable

Next Steps / Timeframe

- Patent pending
- Ready for implementation



Contact: Kristof Kurzeja / Kristof.Kurzeja@magna.com



Long Rail

Magna long rail technology provides ease of reconfigurability and flexibility for various occupant and cargo situations.

Purpose

- Limitless fore-aft motion allows the vehicle cabin to be reshaped to a more useful and collaborative interior

Value Proposition

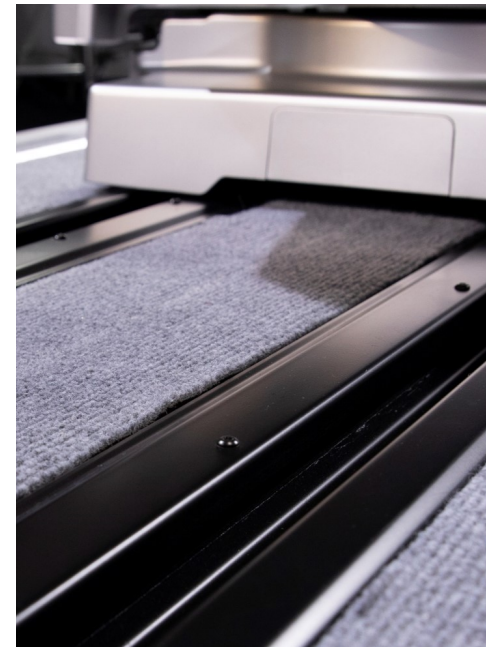
- Manual and power designs available
- Flush to floor cargo space possible
- Supports multiple rows of seats traveling along the full length of long rail (~2m)

Technical Description

- Allows seat reconfiguration speeds up to 100mm/s
- Compliant rolling elements allow low slide efforts
- Loop latch system used to lock track system
- Rack & pinion system propels the power track
- Direct / bolt through to vehicle floor
- ABTS load capable

Next Steps / Timeframe

- In production with multiple OEMs



Contact: Kristof Kurzeja / Kristof.Kurzeja@magna.com



Medium Rail

Magna medium rail technology combines the known reliability and performance of conventional track lead screws with the improved travel lengths of long rails.

Purpose

- Packaging a medium rail in the vehicle allows for extended seat travel within the cabin, enabling the interior to be reshaped into a more useful and collaborative space.

Value Proposition

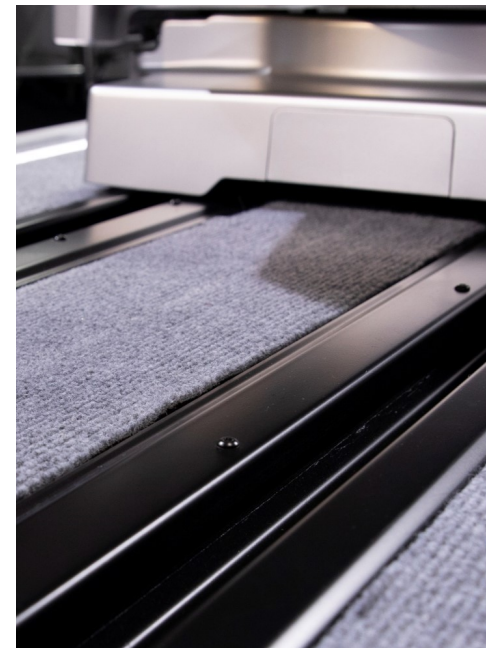
- Extended fore-aft motion
- Increased track travel allows space for full leg rest extension for maximum comfort
- Compatible with other reconfigurable technologies; can also be integrated into a wide array of vehicle platforms
- Smooth operation and sound performance

Technical Description

- Lead screw technology provides up to ~600mm of travel
- Rail speed: Comfort travel 20-40mm/s; Reconfiguration speeds of ~60mm/s

Next Steps / Timeframe

- Production programs awarded



Contact: Kristof Kurzeja / Kristof.Kurzeja@magna.com

