

Auto Adjust Seating

Magna's Real Time Pressure Sensing technology can measure occupant pressures and adjust bolsters automatically based on pre-determined preferred positions.



Smarter



New Mobility



Lighter



Co-Development
Opportunity



Patent Pending



Magna Exclusive

Competitive advantage/differentiators

- Flexible and thin 2D Multiplex sensor array
- Compatible with foam pad integration
- Machine learning algorithms can detect in real-time the variation in postures
- Precision and accuracy
- Inert to external interference
- Low profile packaging - less than 2mm thick
- Low power – operates on less than 500mW

Applications

- Auto-Adjustment of seat comfort features
- Adjustable for different driving modes
- Anti-fatigue/discomfort mitigation
- Occupant detection in autonomous vehicles
- Detect unbuckled occupant and unattended children
- Potential to use in occupant classification system

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production