



## Mechatronics

Magna is a leading full systems supplier of innovative mechatronics systems to the global automotive industry. Our designs fuse the capabilities of mechanical systems with the intelligence of electronic controls to enable new ways of interacting with the vehicle. Our in-house electronics manufacturing expertise allows for seamless integration into any application.

For our full range of products and capabilities visit: [magna.com](https://magna.com)

LATCHING SYSTEMS  
DOOR MODULES  
WINDOW SYSTEMS  
POWER CLOSURE SYSTEMS  
HANDLE ASSEMBLIES  
ELECTRONICS  
HINGES  
WIRE FORMING

### Customer Base

Aston Martin, BAIC Group, BMW, Changan Auto, Chery, Daimler AG, Dongfeng Motors, Ford Motor Company, GAC Motor, Geely Group, General Motors, Great Wall Auto, Honda, Hyundai, Isuzu, Mahindra, NEVS, Proton, Qoros, Renault-Nissan-Mitsubishi, Rivian, SAIC Motor, Soueast Auto, Stellantis, Subaru, Tata Motors, Toyota, Volkswagen Group and their respective operating divisions and subsidiaries.

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## Capabilities

### Latching Systems

- Side Doors
- Sliding Doors
- Liftgates
- Decklids
- Hoods
- Tailgates
- Cargo Doors
- Rear Access Doors
- Seats

### Door Modules

- Structural Doors
- Sealed Modules
- Hardware Trim Modules
- Integrated Trim Modules
- Integrated Inner Panel Module
- Liftgate & Tailgate Modules
- Mid-Door Modules

### Window Systems

- Dual & Single Rail Cable & Drum
- Convertible Quarter Glass
- Arm & Sector

### Power Closure Systems

- Power Sliding Doors
- Power Doors
- Power Liftgates
- Power Decklids
- Anti Pinch Strips

### Handle Assemblies

- Inside & Outside

### Electronics

- ECU Design
- Obstacle Detection & Anti Pinch
- Non Contact Sensing
- Gesture Recognition

### Hinges

- Decklid Hinges
- Hood Hinges
- Convertible Hinges

### Wire Forming

- Torsion Rods
- Wood Prop Rods
- Hood Prop Rods
- Door Latch Rods

## Innovations

### SMARTACCESS™ Platform

Complete power door system offering a unique vehicle access experience. Easily operated through multiple HMI solutions. Features enhanced safety through available non contact obstacle detection. Fully customizable feature set. SMARTACCESS™ isn't a product, it's an experience.

### SMARTLATCH™

All features and functions are controlled electrically provides the consumer with an innovative product that offers a unique customer interface while reducing the overall weight of the vehicle. Magna was first to market with a complete electronic side door latch.

### COMFORT+™

Creating a more luxurious consumer experience by incorporating a ball barring into the ratchet and pawl interface of a latch, reducing opening and closing efforts while allowing higher seal loads to create a quieter cabin space.

### LITEFLEX™

Revolutionary door system that integrates window regulator rails into the run channels. Guaranteed to save weight and improve functionality and operating process.

