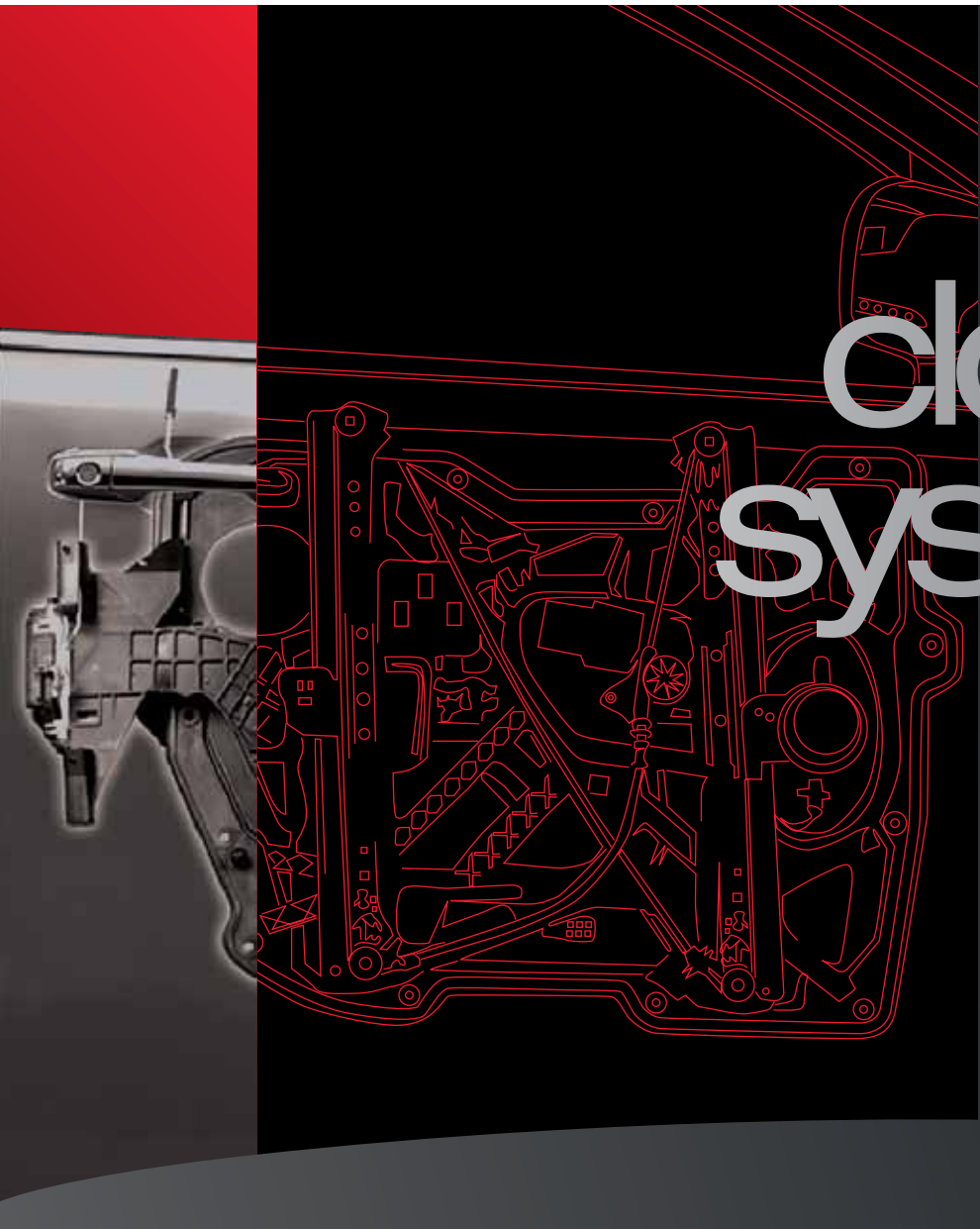


**Magna International Inc.**

Where it all comes together™



# closure systems

door modules  
window systems  
power closure systems  
latching systems  
handle assemblies  
driver controls  
electronics

BODY & CHASSIS SYSTEMS | POWERTRAIN SYSTEMS | EXTERIOR SYSTEMS  
SEATING SYSTEMS | INTERIOR SYSTEMS | VISION SYSTEMS | CLOSURE  
SYSTEMS | ROOF SYSTEMS | ELECTRONIC SYSTEMS | HYBRID & ELECTRIC  
VEHICLES/SYSTEMS | VEHICLE ENGINEERING & CONTRACT ASSEMBLY

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## Closure Systems

Magna International Inc., through Magna Closures, is one of the world's leading suppliers of dynamic closure systems and modules to the global automotive industry. We have over 20 years of experience with product creation, design, engineering, testing and validation of closure modules and mechanisms and our capabilities are among the most diversified in the industry. Magna Closures is a leader in integration and program management with an extensive Innovation and Product Development process to meet our customers' needs. Our product expertise includes: door modules; window systems; power closure systems; latching systems; handle assemblies; driver controls; and obstacle detection.



Left: Structural Plastic Door Module. Center: Outside the Seal Power Liftgate System. Right: Single Rail Window Regulator and Modular Side Door Latch.

## Customer Base

Audi, BMW, Changan Auto, Chery Quantum, Chrysler, Daimler AG, Ford, Fiat, General Motors, Great Wall Auto, Guanzhou Auto, Honda, Isuzu, Mitsubishi, Navistar, Proton, PSA Peugeot Citroen, Porsche, Renault-Nissan, Toyota, Volkswagen AG and their respective operating divisions and subsidiaries.

## Capabilities

### Door Modules

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

### Window Systems

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

### Power Closure Systems

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

### Latching Systems

- » Side Door
- » Sliding Door
- » Liftgate
- » Decklid
- » Hood
- » Tailgate
- » Cargo Door
- » Rear Access Door

### Handle Assemblies

- » Inside
- » Outside

### Driver Controls

- » Adjustable Pedals
- » Fixed Pedals
- » Park Brakes

### Electronics

- » ECU Design
- » Obstacle Detection & Anti Pinch
- » Non Contact Sensing

## Innovations

### Power Systems

Magna Closures was the first-to-market with a power liftgate system including drive unit, electronic control unit and anti pinch strips. We currently supply the complete power liftgate system on the world's largest program. Future systems will feature non intrusive power liftgate systems and non contact anti pinch protection.

### Structural Plastic Door Modules

Magna Closures' door modules can match the stiffness of a conventional inner panel, seal the door, and allow integration of virtually any component inside of, or attached to, the door. Magna Closures was the first-to-market with this technology in a sliding door.

### Latching Systems

Magna Closures developed the innovative, integrated cinching side door latch that is quiet and functional while having optional features such as power or manual child locks.