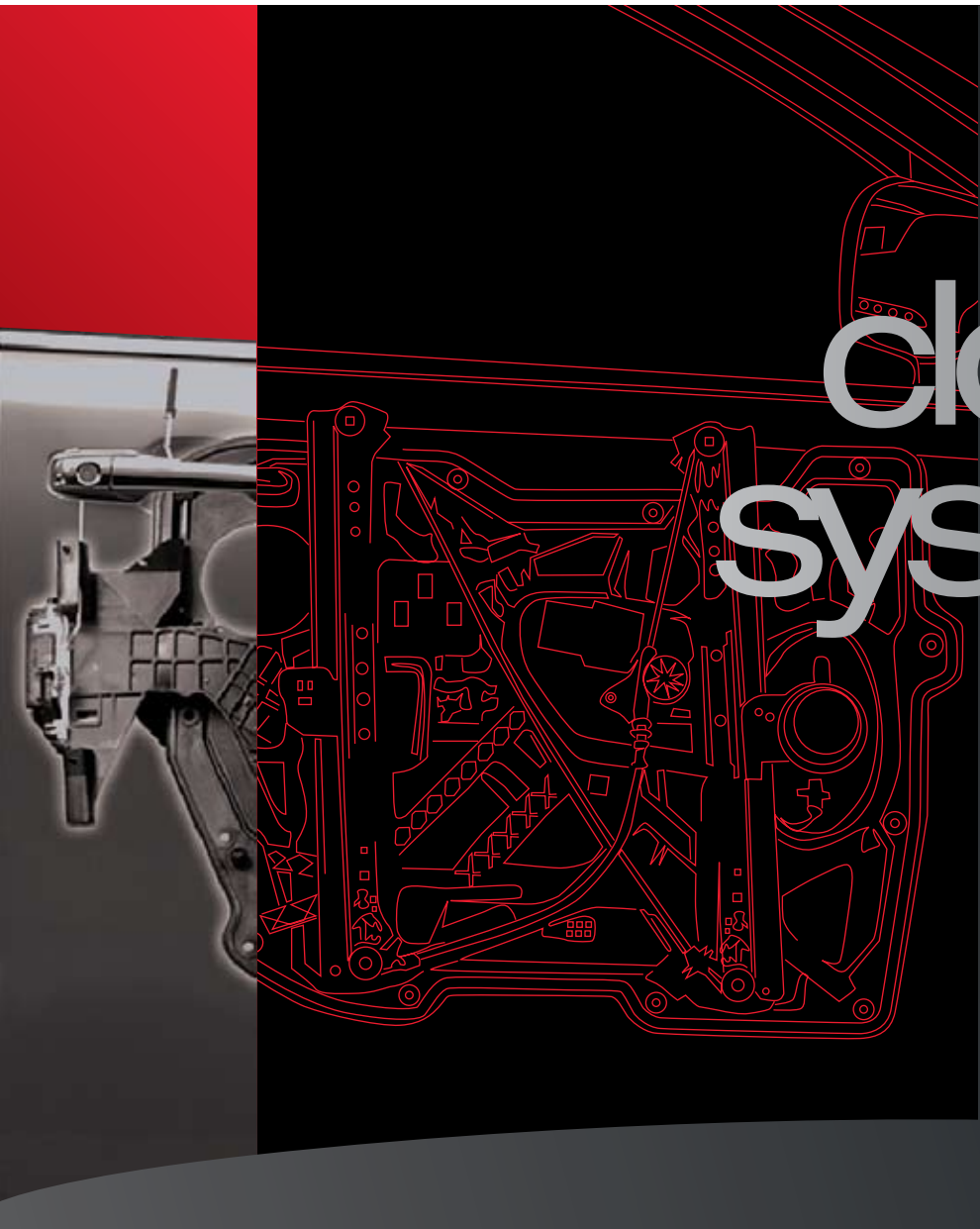


Magna International Inc.

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 | COMPLETE VEHICLE ENGINEERING & 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: Outside the Seal Power Liftgate System. Top: Structural Plastic Door Module Right: Modular Side Door Latch with Best in Class Performance and Features.

Customer Base

Audi, BMW, Chrysler, Daimler AG, Ford, Fiat, General Motors, Honda, Isuzu, Mitsubishi, 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 Contract 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 (over 350,000 units/year). 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.