

**Magna International Inc.**

Where it all comes together™



# vision systems

interior mirrors  
exterior mirrors  
actuators  
electronic vision systems  
door handles

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

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## Vision Systems

Magna International Inc., through Magna Mirrors, is a global supplier of interior and exterior mirrors, door handles and actuators, delivering new products and technological solutions that impact the automotive industry and enhance the driving experience.



Left to Right: The MirrorPilot™ is a convenient directional aid while traveling. Modular Feature Mirrors integrate features such as map lights, compass, temperature and garage door openers. Frameless™ Electrochromic (auto-dimming) Mirrors give drivers the maximum field of view. PowerExtend™/PowerFold™ Mirrors improve towing and parking convenience. The ReversAid™ VideoMirror™ backup system helps drivers see the blind zones behind their vehicles.



## Customer Base

AvtoVAZ, Beiqi Foton, BMW, Chang'an Auto, Chang'an Suzuki, Chery, Chrysler, Daimler, FAW, Ferrari, Fiat, Ford, GAZ, Geely, General Motors, Great Wall, Harbin Hafei, Hebei Zhongxing, Honda, Hyundai, Jianghuai Auto, Jiangling Motor, Jinbei Brilliance, Lifan, MAN, Maruti Suzuki, Mazda, Mitsubishi, Nanjing Auto, Porsche, PSA Peugeot Citroen, Renault-Nissan, SAIC, SAIC-GM-Wuling, Suzuki, Tata, Toyota, Volkswagen, Zonghua and their respective operating divisions and subsidiaries.

## Capabilities

### Interior Mirrors (Prismatic and Electrochromic)

- » EC Glass (auto-dimming)
- » Telematics
- » Compass and Temperature
- » Displays
- » Sensor Integration
- » Bluetooth and Hands Free Conductivity
- » Navigation
- » Microphone
- » Automatic Garage Door Openers
- » Electronic Toll Collection (ETC)

### Exterior Mirrors

- » EC Glass (auto-dimming)
- » Framed and Frameless Glass
- » TurnSignal Lighting
- » PowerExtend™
- » PowerFold™
- » Ground Illumination
- » Integrated Blind Spot Detection
- » Integrated Cameras
- » BlindZoneMirror™
- » Body-Matched Paint

### Actuators

- » HVAC
- » PowerFold™
- » PowerExtend™
- » Exterior Glass Movement
- » Interior Mirror Adjustment
- » Active Bend Lighting

### Electronic Vision Systems

- » ReversAid™
- » VideoMirror™
- » Side Blind Zone Assist
- » Lane Change Assist

### Door Handles & Overhead Consoles

- » Exterior & Interior Door Handles
- » Passive Keyless Entry
- » Dual Finish (Painted/Chrome) Handles
- » Integration of Lighting

## Innovations

### VideoMirror™

A full-color display screen provides information to the driver. Options range from backup displays, such as NaviMirror™.

### NaviMirror™ & MirrorPilot™

NaviMirror and MirrorPilot improve comfort and convenience by offering a low-cost navigation and telematics system. By adding hands-free calling, real-time traffic and voice recognition, the system allows the driver to easily interface with information while keeping their eyes on the road.

### Added-Feature Modular Mirrors

Added-feature modular mirrors can incorporate a broad array of added electronic features. We can offer both prismatic and electrochromic interior added-feature mirrors tailored to any customer specification.

### Frameless™ Exterior Electrochromic Mirrors

The Frameless electrochromic mirror gives the driver the maximum field of view. Instead of a plastic bezel or colored perimeter band, the complete area surrounding the edge is reflective, giving a more stylish and modern appearance.

### Total BlindzoneManagement™

The Total BlindzoneManagement (TBZM) System, developed with Magna Electronics, combines camera technology, enhanced mirrors and lighting, information and telematics to help eliminate blind zones around the vehicle and keep the driver concentrated on the road. TBZM goes beyond traditional automotive mirrors to provide greater visibility and real-time information to the driver.