



Magna Tech Day

Featured Technologies

Body & Chassis

Battery Enclosures Ft. OptiForm™
HEV/PHEV Cast Enclosures with Integrated Cooling
Front-End Architecture for Electric Vehicles
Rapid Quench
SmartAccess™ B-Pillarless Power Door System

Exteriors

PureForm™ In-Mold Coatings
Universal Punch & Weld
Class A Welding
Automated Surface Inspection
Spoilers
Fascia Expertise
- Styleshutter
- Aero Fascia
Front End Carriers
Sustainable Materials
Thermoplastic Roof Panels
Automated Running Boards
Daylight Opening Trim
PureView™ Sliding Window

Mechatronics

SmartAccess™ Power Door System
Primary & Secondary Latching Solutions
Sustainable Door Carrier

Mirrors

Mirror Integrated Driver & Occupant Monitoring System
ClearView™ Video Mirror & Camera Monitoring
Exterior Mirrors - Exfinity, Hidden Signal 2.0, Trailer Tow
Smart Actuators

Electronics / ADAS

Camera Suite of Products
Radar Suite of Products
Central Compute Units, ECU's & High-Performance
Control Units including In-Vehicle Infotainment
Thermal Sensing Cameras
Interior Sensing Systems: Driver & Occupant Monitoring

Powertrain

Integrated eCradle
eDS Low
2eDS High 250P
Rear Drive Module
Next Generation High Voltage Inverter
Power Modules
Switch Matrix
eDecouplings
eLSD - Limited Slip Differential
DHD Duo Hybrid Drive
DHD REX Range Extender
7HDT400 48V Hybrid Transmission
8DCL900 Transmission
Ultimax Transfer Case
Clutch Module, Planetary Carrier, Gears & Shafts

Seating

JITFit Modular Seating
Magna Core Structure
Medium Rail ZG Lounger
Simplified Back Frame
EcoSphere Sustainable Materials

Complete Vehicles

Engineering & Manufacturing Expertise

In-Vehicle Demonstrations

Electronics / ADAS

Fully Autonomous Park Assist

Trailerling:
Reverse Steering Control with Trailer
Guidance, Hitch Assist, Angle Detection,
2D & 3D Surround View, Transparent/
See-Through-Bottom View

Interior Sensing Systems:
Interior Sensing Camera with Interior
Sensing Radar Fusion: Child Rear
Seat Detection, Occupant Presence &
Classification, Occupant Out of Position
with Radar Fusion, Driver Distraction,
Hands on Wheel Detection, Seatbelt
Detection

Mechatronics

SmartAccess™ Complete System:
Power Door, Power Frunk & Power
Liftgate

SmartLatch™, Haptronik™ Motion
Control, Non-Contact Obstacle
Detection & Cinch Obstacle Detection
Algorithm

Mirrors

Mirror Integrated Driver & Occupant
Monitoring, NCAP Dual Camera

ClearView™ Vision System: Complete
System with Video Mirror, Multi-Camera
Integration & Trailer View