AUTOMOTIVE E-MOBILITY

Drive Manufacturing Forward

Chem Trend

Value is our mission.

Lightweight Materials

Engineering for vehicle safety, stability, and performance begins with the chassis. Chem-Trend products help manufacturers create chassis components in challenging conditions — from the hottest temperatures to the heaviest presses — with better cavity fill and less scrap, rework, and downtime.

Automotive OEMs are focusing on weight reduction, sustainability, and safety by using advanced materials like aluminum alloys and composites. Chem-Trend's release agents and purging compounds optimize material use, improve color change, and ensure part release, achieving Class A finishes for exterior parts.

New manufacturing processes like giga casting are transforming the industry. Chem-Trend helps manufacturers improve productivity and part quality while meeting requirements for post-cast processing.

Electronics

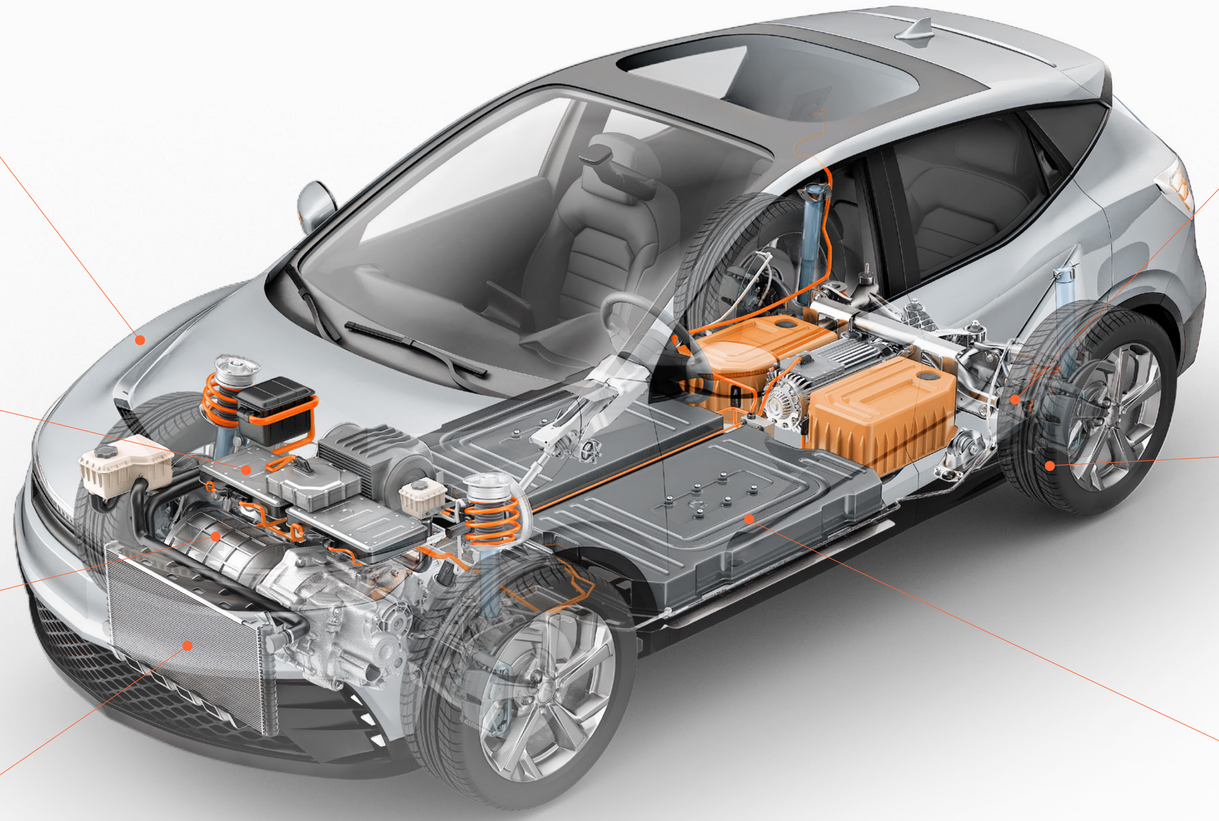
As automotive technology rapidly advances, electrical components will continue to be a strong focus point for manufacturers and suppliers. Chem-Trend products help manufacturers consistently produce higher-quality electrical components from power electronic housings and wiring boots to the most intricate sensors and circuits.

e-Axle Incl. E-Motor & Transmission

No two OEMs and suppliers are alike when it comes to powertrain design and production. Chem-Trend die lubricants, release agents, and ancillary molding aids are specifically tailored to raw material and process parameters to keep tooling clean, improve cavity fill, and facilitate part release, even for complex tooling designs.

Thermal Management

Chem-Trend develops release agents and purging compounds that enable OEMs and Tier 1 suppliers to innovate more efficient thermal management and cooling systems for electric vehicles. These solutions help reduce cycle time, increase productivity, and enhance the quality of battery components.



NVH Systems

OEMs and suppliers are increasingly utilizing sophisticated and expensive rubber compounds that cannot be reworked when a molding defect occurs. Chem-Trend release agents provide forward-thinking solutions to reduce buildup and release complex rubber compounds as well as high-value materials like FKM and EPDM the first time — improving material flow, mold release, quality, and pass-through rate with unprecedented efficiency.

Tires

Chem-Trend's robust portfolio of advanced bladder coatings and mold protectors is designed to meet the rigorous demands of tire manufacturing. Our non-silicone-based inside paints provide the slip required to remove the tire from the bladder without issue while allowing for the seamless integration of tire pressure monitoring systems (TPMS) and acoustic foam inserts to quiet the ride. Additionally, our products support the vulcanization process, optimizing the curing cycle and improving the overall quality and longevity of the tires.

Battery

Chem-Trend solutions ensure smooth, efficient production processes and meet extensive requirements for designing and manufacturing battery pack components. We offer advanced technologies such as water-based release agents, PFAS-free products, and specialized silicone and non-silicone technologies.

Dependability is our promise.

Specialized solutions for your unique challenges.

The rise of electric vehicles (BEV, PHEV, HEV, and eVTOL) is revolutionizing the automotive industry and creating new challenges. OEMs must navigate increasingly stringent technical requirements and the higher costs of manufacturing – while maintaining efficiency, quality, and cost-effectiveness.

Chem-Trend empowers the world's leading OEMs and automotive suppliers by enhancing the efficiency and ease of industrial molding applications. Our advanced purging and release technologies, combined with our application expertise, support the production of critical components such as batteries, e-axles, electronics, NVH systems, tires, and more. This ensures manufacturers can achieve superior quality and performance in their products.

YOUR SOLUTIONS ARE HERE.

Lightweight Materials
Combines chassis, body, and structural parts
Structural Parts
Integrated/Giga Casting
Composites/Plastics for Structural Parts & Body Panels

Battery
Battery Case/Tray
Battery Cover
Battery Frame

e-Axle
E-Motor Housing
Rotor
Transmission

Thermal Management
Gasketing & Sealing Solutions
Connectors
Valves
High-Voltage Cable
Heat Pump

Electronics
Power Distribution Unit
Inv./Conv./Heat Sink
Sensor Housing & Charger Plug Housing
Charging Systems & Infrastructure (EVSE)
Wires & Cables for Electric Supply/Data Connections

NVH Systems
Mounts
Ducts
Bushings & Dampers
Springs

Tires
Silent Foam Compatible Inside Paint

Driving innovation in automotive manufacturing.

As the global leader in release agents and purging compounds, Chem-Trend delivers premium technologies that transform manufacturing efficiency, ensure flawless surface finishes, and reduce waste. We're pioneering the future of sustainable automotive manufacturing to meet evolving demands and launch the industry forward.

With decades of expertise and a commitment to collaboration and excellence, Chem-Trend is a preferred partner for leading OEMs and top-tier suppliers worldwide. Our solutions push boundaries to drive technological innovations, redefining expectations for quality, precision, and sustainability. Together, we turn visionary ideas into reality.

Chem-Trend's unmatched global capabilities empower OEMs across all regions. From exceptional technical support to customized, game-changing solutions for emerging EV components and complex manufacturing processes, our global footprint enables us to create unparalleled value for our customers.

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