



Parker Hannifin Electric Vehicle Solutions

Moving the EV Industry Onward



Parker at a Glance



3,000+
Product lines



\$15 Billion+
In global revenue



450,000+
Customers worldwide



56,000+
Team members worldwide



We are a global business with a local focus.



EV Onward™

EV ONWARD™

Parker's portfolio of EV solutions that pairs engineering expertise and trusted products to solve complex challenges in thermal management, light-weighting, fast-charging, reliability and safety.



BROAD PORTFOLIO OF
ELECTRIFICATION SOLUTIONS



MULTIPLE SOLUTIONS,
ONE TEAM



SUPPORT
WHEN & WHERE YOU NEED
IT



GLOBAL
MANUFACTURING
AND R&D



MOVING AT THE SPEED
OF OUR CUSTOMERS



EV Applications



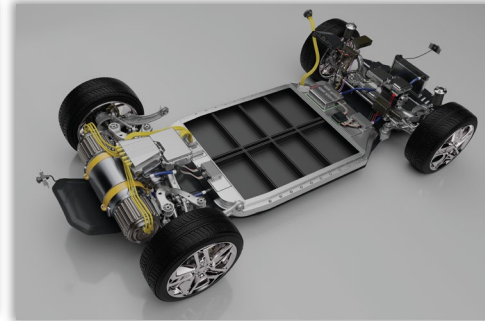
Charging Infrastructure



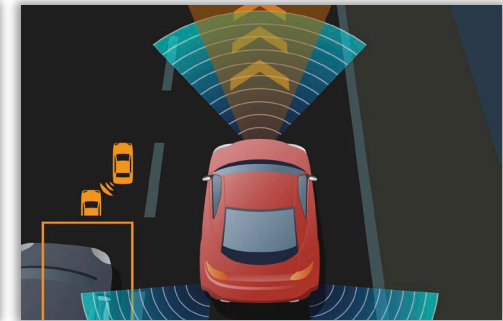
Vehicle Body



Battery Pack



Power Train



Monitoring Systems

Our highly engineered, innovative solutions enable a broad range of electric vehicle applications to meet the needs of the EV era.



Sealing and Venting Solutions

KEY PRODUCTS

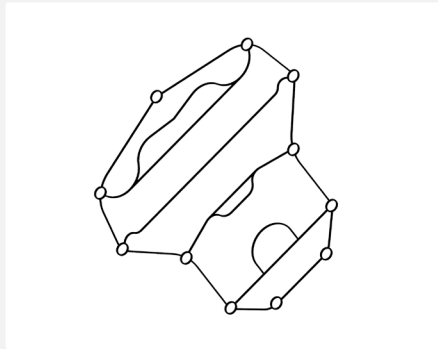
O-Rings



Static seals for sealing battery systems, cooling systems, e-axle systems, etc.

Large material range available.
Easy installation.

Press-in-Place Seals



Diamond, hexapod, keyhole and jigsaw seals for sealing of housings.

Error-proof assembly. Easy installation. Great for environmental sealing

Edge Bonded Integral Seals



Structural stability, easy installation, highly customizable for automated assembly

Transfer Molded

CliPHvent



Provides overpressure relief and prevents external fluid from entering the housing.

Increased safety. Easy press-in installation into a bore.

Shielding Solutions

KEY PRODUCTS

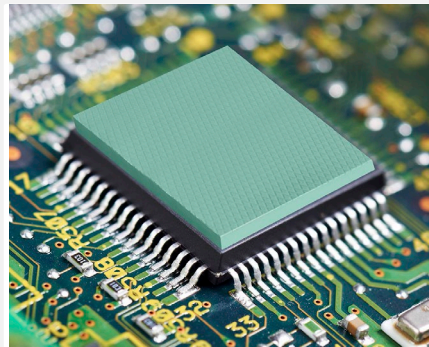
EMI Shielding & Grounding



Superior conductivity and shielding performance

Increased reliability, design flexibility, and tested to a variety of industry standards for long-term performance

Thermal Interface Materials



Fully cured dispensable materials and low compression force thermal gap pads for effective thermal energy transfer

High bulk thermal conductivity and low thermal independence for fragile components

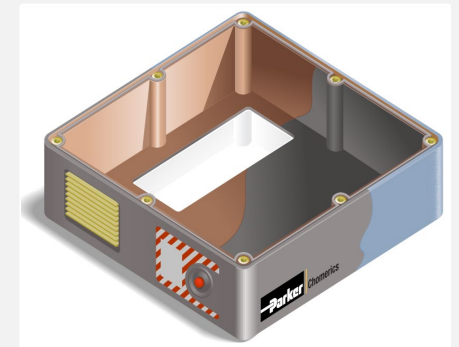
Conductive Plastics



Electrically conductive thermoplastics for custom injection molded EMI shielding enclosures and metal-to-plastic conversions

Enhances mechanical strength and ensures even conductivity across finished part

Integrated Assemblies



Integration and assembly of thermal materials, optical solutions, gasketing and secondary features

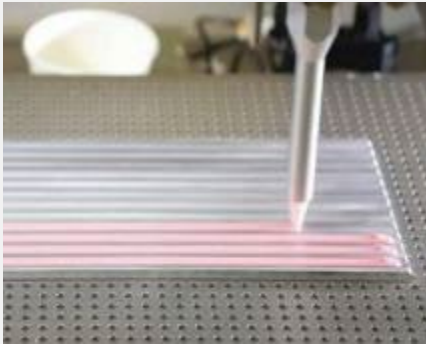
Aids in fast design cycles and fast-to-market product development



Safety Solutions

KEY PRODUCTS

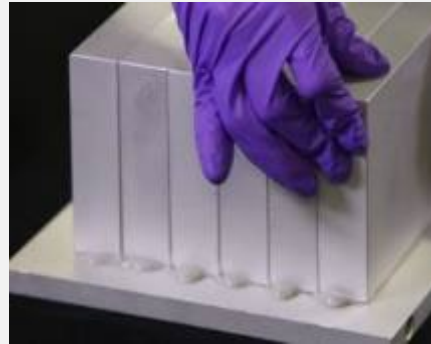
Gap Fillers



Liquid-dispensed stays in place,
cures in place

High-speed dispense, plus high
performance
thermal conductivity

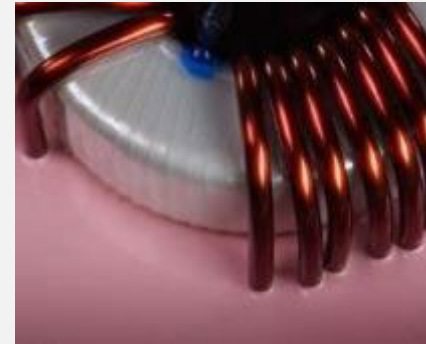
Adhesives



Liquid-dispensed, stays in place,
cures in place

High speed dispense, high thermal
conductivity, adds structural
adhesion functionality

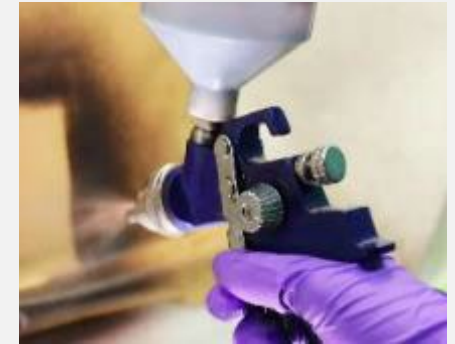
Potting & Encapsulants



Liquid-dispensed, readily flows into
all areas, cures in place

Easily dispensed, encapsulates all
surfaces, high thermal conductivity,
protects sensitive electronics

Coatings



Spray applied, cures on the surface

Easily applied, coats metallic
surfaces, provides **excellent high
voltage insulation**, and provides
environmental protection

Questions?

Thank you for your time!

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