



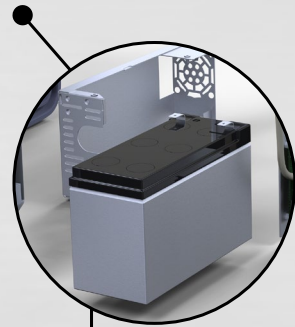
SPEEDING DEVELOPMENT. REDUCING RISK.

Electromagnetic Interference (EMI) Shielding and Thermal Interface Materials Solutions for Life Science Devices

CHOMERICS DIVISION SOLUTIONS

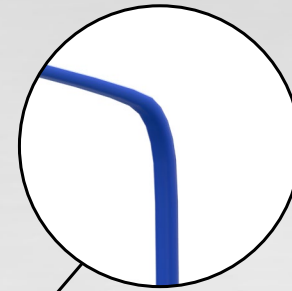
Battery/Power Supply

- SOFT-SHIELD® conductive foam EMI gaskets on battery backup for grounding
- THERM-A-GAP® thermal interface gap filler pads
- THERM-A-GAP® thermal interface dispensable gel for battery cooling



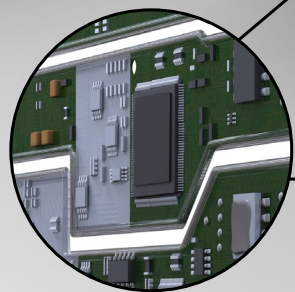
Cables/Connectors

- CHO-SEAL® custom EMI gaskets
- CHO-SHRINK® heat shrinkable EMI shielding cable tubing
- SOFT-SHIELD® conductive foam EMI shielding gaskets



Circuit Board

- THERM-A-GAP® thermal interface gel for battery cooling
- SPRING-LINE® fingerstock gasket grounding clips
- THERM-A-GAP® thermally conductive gap filler pads for conductive heat transfer from chips
- CHO-FORM® form-in-place EMI gasket enclosure to PCB
- CHO-THERM® High Reliability Thermally Conductive Electrical Insulator Pad
- CHO-SHIELD® EMI and RF coatings for board level shielding on PCB



Enclosure

- CHO-SHIELD® EMI shielding paint coating for plastic on back of enclosure
- CHO-SEAL® extruded elastomer EMI gasket as cover seal for shielding and moisture barrier
- Rear half of enclosure is made from PREMIER® conductive thermoplastic for EMI shielding
- SPRING-LINE® fingerstock spring finger gasket
- SOFT-SHIELD® conductive foam EMI shielding gaskets



WHY PARKER CHOMERICS?

One partner, multiple solutions

You have a great design. Don't let the complexity of shielding for electromagnetic interference (EMI) get in your way.

We offer proven solutions in EMI shielding and grounding, thermal management, integrated display solutions, plastic injection molding, and EMI and safety testing services.

Parker Chomerics gives you a wealth of integrated, multi technology systems and components that meet or exceed your specifications and expectations.

From concept through production, Parker Chomerics has been working with medical and analytical device OEMs for more than 30 years. Our selectable levels of integration – which include components, modules, and integrated solutions – reduce technical risk, lower development cost, and speed time to market.



PARKER CHOMERICS GLOBAL FOOTPRINT

- Your language
- Your time zone
- Your currency



WHY PARKER CHOMERICS?

Our innovative solutions matter

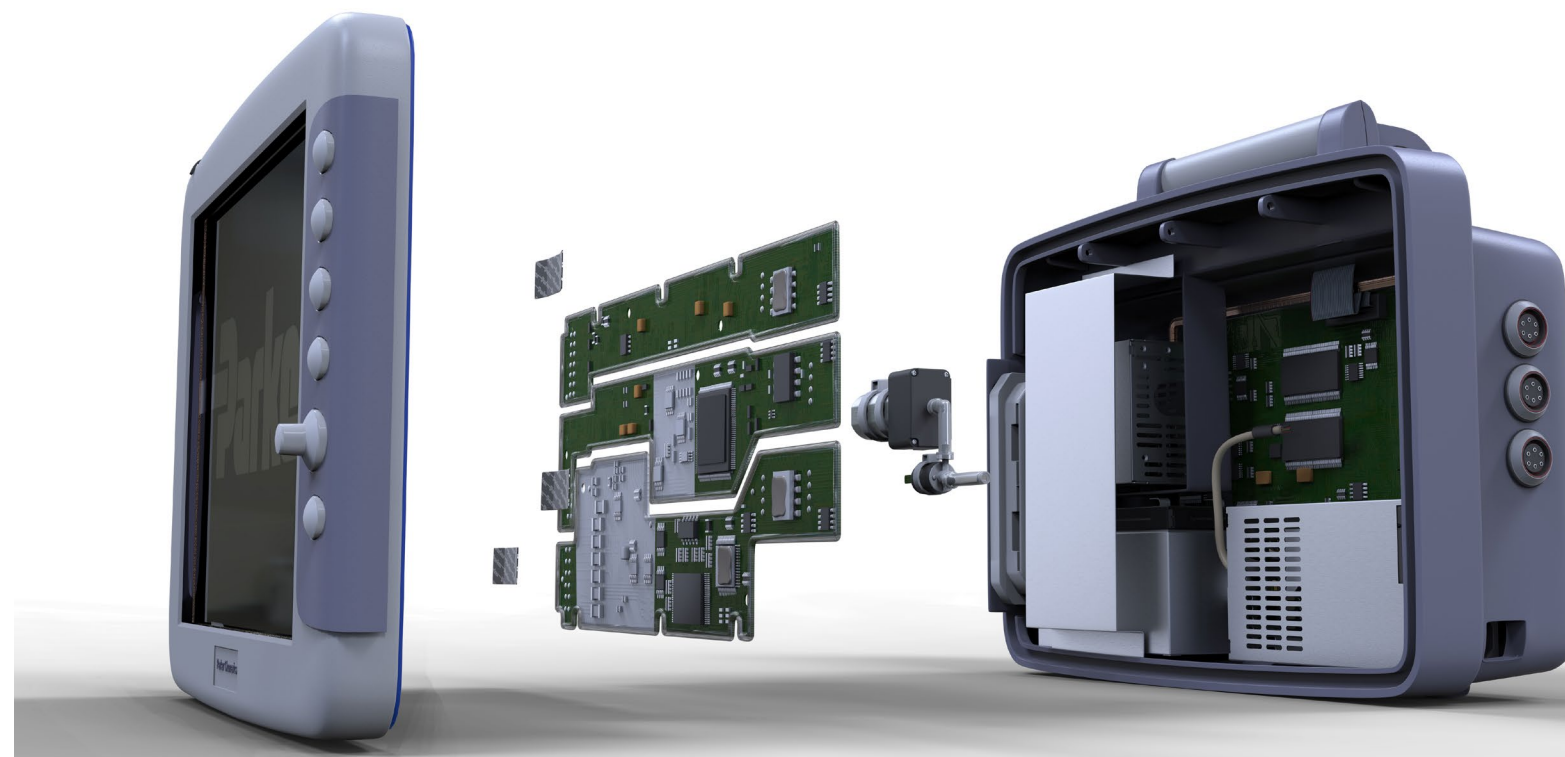
Rapid and continual advances in both electronics and medical technology have seen the quantity, complexity and diversity of equipment for patient care applications increase significantly in recent years.

Medical electronic devices have also become smaller and more portable – often battery powered - and incorporate advanced digital electronics alongside analog circuitry to deliver comprehensive functionality.

Human-machine interfaces have also become more interactive and increase the options that hospitals and doctors' offices have to collect, transmit, and monitor and analyze patient data. All of these factors have contributed to a major rise in shielding (EMI/RFI) and thermal management challenges faced by engineers as well as a need for both shielded and non-shielded optical windows for equipment displays.

Parker Chomerics is a total solution company built on core competencies in material science and process technology serving as the basis for:

- Product development
- Custom engineered solutions
- Complete electronics housing solutions
- Fully integrated optical display assemblies
- Supply chain management



TRUSTED SOLUTIONS FOR LIFE SCIENCES

Imaging and diagnostics

X-ray machines • MRI rooms • Ultrasound • Medical ultrasonography • DEXA • CT • Mammography • Stereotactic breast biopsy

Radio frequency (RF) shielding for MRI rooms is necessary to prevent RF noise from entering into the MRI scanner and distorting the images as well as preventing the MRI's own electromagnetic radiation from disrupting external medical devices such as pacemakers.

To prevent this distortion, an RF shield enclosure features a "system" of interacting components, including:

doors, windows, ceilings, floors, and walls. Additionally, items penetrating the RF shield (power, HVAC, exhaust, piping, and plumbing) must pass through RF filters or waveguides. All of these components work together to provide a functional shield barrier that reduces RF noise to acceptable levels.

Our family of EMI shielding gaskets provide the necessary RF shielding necessary to prevent RF noise from

entering the MRI scanner. Parker Chomerics offers the products, technical know-how, close customer support and supply chain capabilities to meet these challenges and deliver superior, reliable and cost-effective solutions.



TRUSTED SOLUTIONS FOR LIFE SCIENCES

Life critical and patient monitoring

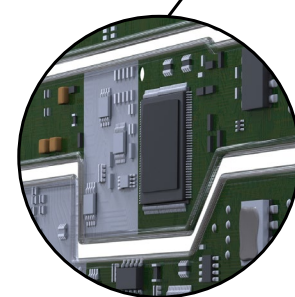
Anesthesia delivery • Plasma collection systems • Ventilators • Medical gas analyzers • Vital signs monitoring • Continuous blood glucose monitoring • Display housings • Defibrillators

Nothing is more critical than the EMI suppression and thermal management of the electronic components in sophisticated life-critical medical devices such as ventilators and anesthesia delivery systems. Parker Chomerics is fully committed to supplying superior technology that manufacturers can rely on for their products to run the correct way, every time.



Conductive Coating for Plastic Enclosure

- CHO-SHIELD® 2056 conductive paint on back of plastic enclosure for added EMI protection



Thermal Interface Materials (TIMs)

- THERM-A-GAP® GEL 30 easily dispensable thermal material for critical electronics cooling

FEATURED PRODUCTS

EMI Shielding Elastomer and Form-In-Place Gaskets

Gaskets for shielding of enclosures of electronics such as displays, flanges, and components.

Product	Conductive Filler	Binder	Shielding	Corrosion
CHO-SEAL 6502	Nickel-Aluminum	Silicone	Excellent	Excellent
CHO-SEAL 6503	Nickel-Aluminum	Fluorosilicone	Excellent	Excellent
CHO-SEAL 1298	Silver-Aluminum	Fluorosilicone	Good	Very Good
CHO-SEAL 1285	Silver-Aluminum	Silicone	Very Good	Good
CHO-SEAL S6305	Nickel-Graphite	Silicone	Good	Fair
CHO-SEAL 6370	Nickel-Graphite	Silicone	Fair	Fair
CHO-FORM 5513	Silver-Copper	Silicone	Excellent	Fair
CHO-FORM 5528	Silver-Copper	Silicone	Excellent	Fair

Fabric-Over-Foam EMI Shielding Gaskets

SOFT-SHIELD® fabric-over-foam gaskets provide excellent performance with very low closure force due to the soft urethane foam construction.

Product	Gasket Compression Set	Flammability Rating	Shielding	Operating Temperature
SOFT-SHIELD 3500	< 15%	UL 94 V-0	Excellent	-400 C - 700 C
SOFT-SHIELD 3700	< 10%	UL 94 V-0	Excellent	-400 C - 1250 C
SOFT-SHIELD 4850	< 15%	UL 94 V-0	Very Good	-400 C - 700 C

PREMIER® EMI Shielding Plastics

Conductive plastics eliminate 35% of the housing weight (as compared to aluminum) and reduce costs by 65%, while providing excellent hydrolysis resistance.

Product	Filler Level	Flammability Rating	Surface Resistance (Ohm/sq)	Shielding Effectiveness (dB)
PREMIER A220-HT	Low	N/A	4.50	60
PREMIER A240-ST	High	N/A	0.20	85
PREMIER A240-FRHF	High	UL 94 V-0	0.25	85
PREMIER PEI 140	High	UL 94 V-0	0.45	85
PREMIER PBT-225	Medium	UL 94 H-B	10.0	80

CHO-SHIELD® Conductive Paints and Coatings

Conductive paints designed to be applied to the inside of plastic electronic enclosures help shield critical medical equipment from damaging EMI.

Product	Conductive Filler	Polymer Family	Temperature Range	Shielding Effectiveness (dB)
CHO-SHIELD 2044	Nickel	Acrylic	-400 C to 850 C	>55
CHO-SHIELD 2056	Silver-Plated Copper	Acrylic	-400 C to 850 C	>75
CHO-SHIELD 2040	Silver	Acrylic	-400 C to 850 C	>80

Thermal Management and Cooling: Thermally Conductive Dispensable Gels

THERM-A-GAP® thermally conductive dispensable gels are pre-cured, single-component compounds that can be robotically dispensed on the heat-generating component.

Product	Features	Thermal Conductivity (W-m/K)	Product Type	Flow Rate (cc/min)
THERM-A-GAP GEL 8010	Ideal for thin bondlines, UL 94 V-0	3.0	One Part	60
THERM-A-GAP GEL 30	Easily dispensable, high performance, UL 94 V-0	3.5	One Part	20
THERM-A-GAP GEL 45	Easily dispensable, high end performance	4.5	One Part	55
THERM-A-GAP TC50	Controlled dispensing, high end thermal performance	5.5	One Part	10

Thermal Management and Cooling: Thermally Conductive Gap Filler Pads

THERM-A-GAP® thermally conductive silicone and non-silicone gap filler pads are for applications where heat must be conducted over a large and variant gap.

Product	Features	Thermal Conductivity (W-m/K)	Product Type	Flow Rate (cc/min)
THERM-A-GAP GEL 8010	Ideal for thin bondlines, UL 94 V-0	3.0	One Part	60
THERM-A-GAP GEL 30	Easily dispensable, high performance, UL 94 V-0	3.5	One Part	20
THERM-A-GAP GEL 45	Easily dispensable, high end performance	4.5	One Part	55
THERM-A-GAP TC50	Controlled dispensing, high end thermal performance	5.5	One Part	10

Fabric-Over-Foam EMI Shielding Gaskets

SOFT-SHIELD® fabric-over-foam gaskets provide excellent performance with very low closure force due to the soft urethane foam construction.

Product	Features	Thermal Conductivity (W-m/K)	Product Type	Hardness (Shore A)
THERM-A-FORM T647	Superior thermal performance while maintaining low modulus	0.9	Two Part	25
THERM-A-FORM T646	Provides combination of high thermal performance and low cost	1.0	Two Part	50
THERM-A-FORM 1641	One component, moisture cure, non-acetic acid generating	1.0	One Part	56

PARKER CHOMERICS CONTACT LOCATIONS

To place an order please visit parker.com/chomerics or contact a Customer Service Representative at the following locations:

North America

Parker Chomerics Global Division Headquarters

77 Dragon Court
Woburn, MA
Phone +1 781-935-4850
Fax +781-933-4318
chomailbox@parker.com

Product Disclosure
(ROHS/REACH, Material
Declarations, SDS)
choproductdisclosure@parker.com

parker.com/chomerics

CHOB1016 March 2026

©2026 Parker Hannifin Corporation



Europe

Parker Hannifin Ltd Chomerics Division Europe

Unit 6, Century Point
Halifax Road
High Wycombe
Bucks HP12 3SL
UK
Phone +44 1494 455400
Fax +44 14944 55466
chomerics_europe@parker.com

Asia Pacific

Parker Hannifin
Chomerics Shanghai
280 Yunqiao Road, Jin Qiao Export
Processing Zone, Shanghai 201206,
China
Phone +86 21 2899 5000
Fax +86 21 2899 5146
chomerics_ap@parker.com

Parker Hannifin
Chomerics Shenzhen
No.5 Bldg Jinrongda Technological Park
Gangtou Village, Bantian Longgang
District Shenzhen, 518122, China
Phone +86 755 8974 8558
Fax +86 755 8974 8560
chomerics_ap@parker.com

Asia Pacific

Parker Hannifin Chomerics Kula Lumpur

Lot 15, Jalan Gudang 16/9
Section 16, Shah Alam
Industrial Estate, 40200 Shah Alam
Selangor, Malaysia
Phone +603 5510 9188
Fax +603 5512 6988
chomerics_ap@parker.com

Penang, Malaysia
No.3, Puncak Perusahaan 1, 13600 Prai,
Penang, Malaysia
Phone +604 3983299
Fax +604 3983299
chomerics_ap@parker.com

Parker Hannifin India Private Limited
Chomerics Division
Plot No. 41/2, 8th AvenueDTA,
Anjur Village, Mahindra World City,
Chengalpattu, Tamilnadu - 603 004, India
Phone +91 44 67132333
Phone +91 44 67132045
chomerics_ap@parker.com

Manufacturing Facilities

- Woburn, MA, USA
- Hudson, NH, USA
- Fairport, NY, USA
- Monterrey, Mexico
- High Wycombe, UK
- Frépillon, France
- Sadska, Czech Republic
- Kuala Lumpur, Malaysia
- Chennai, India
- Shanghai, China
- Shenzhen, China