

## Die-Cut Solutions for ADVANCED MOBILITY APPLICATIONS

Marian is a global leader in converting thin, flexible materials to intricate, multi-layer laminations for batteries, electronics, lighting, charging systems, exterior and interior bodies, and more. This includes advanced mobility applications like eVTOL, UAV, UUV, ROV, submersibles, aerospace/defense, and more.

From proof of concept to mass production, we partner with you at every stage to provide access to the highest quality materials, a wide variety of custom converting and manufacturing capabilities, and valuable engineering expertise. With certification in AS-9100, ITAR, ISO 9001, IATF 16949, and ISO 14001, we uphold the rigorous quality standards you would expect from a leading material converter.

[marianinc.com](http://marianinc.com) | [sales@marianinc.com](mailto:sales@marianinc.com)



# Solutions for ADVANCED MOBILITY APPLICATIONS

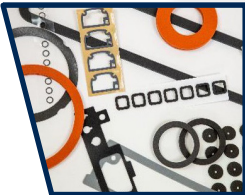
Our custom converting capabilities provide die-cut solutions for a wide assortment of applications relevant to advanced mobility. We have close relationships and preferred converter partnerships with many of the world's leading material suppliers, including 3M™, tesa®, Rogers Corporation, Alkegen, ITW, Polymer Science, Saint-Gobain, Dupont™, Morgan, and many more. Below are some of the many versatile applications in which we can provide custom converted solutions.



## THERMAL MANAGEMENT



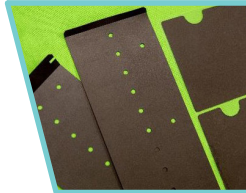
- Thermal interface gap pads
- Heat spreaders
- Thermally conductive tapes
- Dispensable thermal epoxies and gels



## SEALS & GASKETS



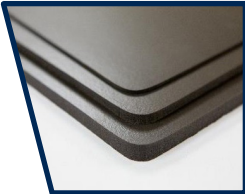
- Rogers BISCO® Silicone Foams
- Rogers PORON® Polyurethane Foams
- Saint-Gobain Norseal® Foams



## DIELECTRIC BARRIERS & INSULATORS



- ITW Formex™ Polypropylene
- 3M™ Flame Barrier FRB and insulating tapes
- Kapton® Polyimide Film
- Nomex® Paper



## SPACERS & COMPRESSION PADS



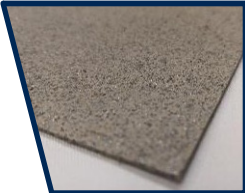
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- Saint-Gobain Norseal® Foams



## EMI SHIELDING COMPONENTS



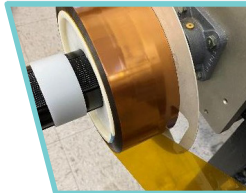
- Conductive elastomers, foams, foils, and tapes
- Copper, aluminum, silver & tin-plated



## ANTI-PROPAGATION MATERIALS



- Films
- Fibrous papers
- Felts
- Intumescent foams
- Composites

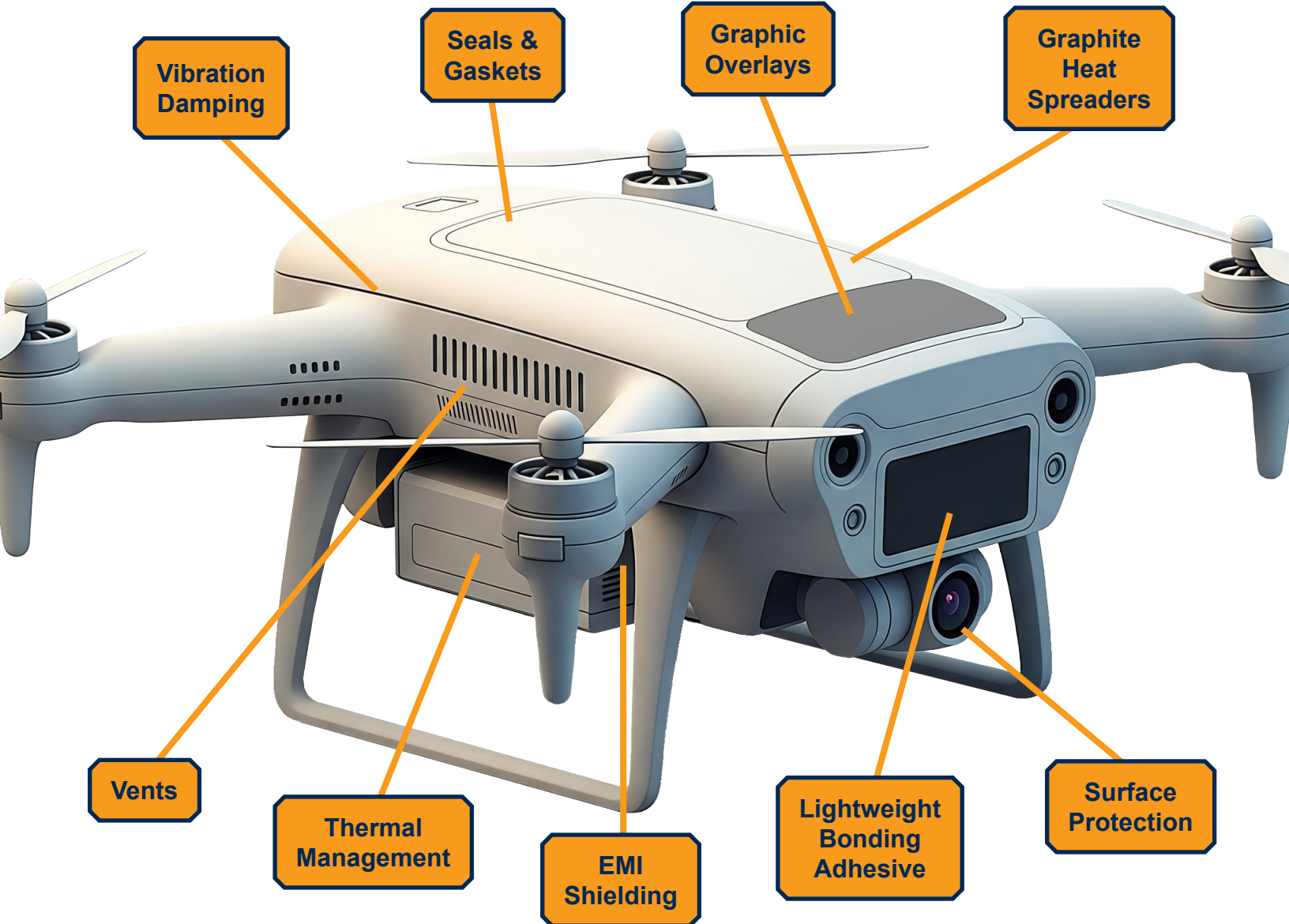


## UL RATED ADHESIVE TAPES



- Double-coated, single-coated, transfer
- Electrically insulating options
- Thermally conductive options

# Solutions for DRONE AND UAV APPLICATIONS



## MATERIALS



Marian works closely with and has preferred status with the world's top manufacturers of thin, flexible materials. Our Sales Engineers also complete extensive training to help you choose the best materials for your application.

## MANUFACTURING



Once design and materials are finalized, we'll devise the most efficient, cost effective, and high-quality process to manufacture your parts. We'll also add any customer specific requirements like cleanroom converting, 100% inspection, and packaging as necessary.

## QUALITY

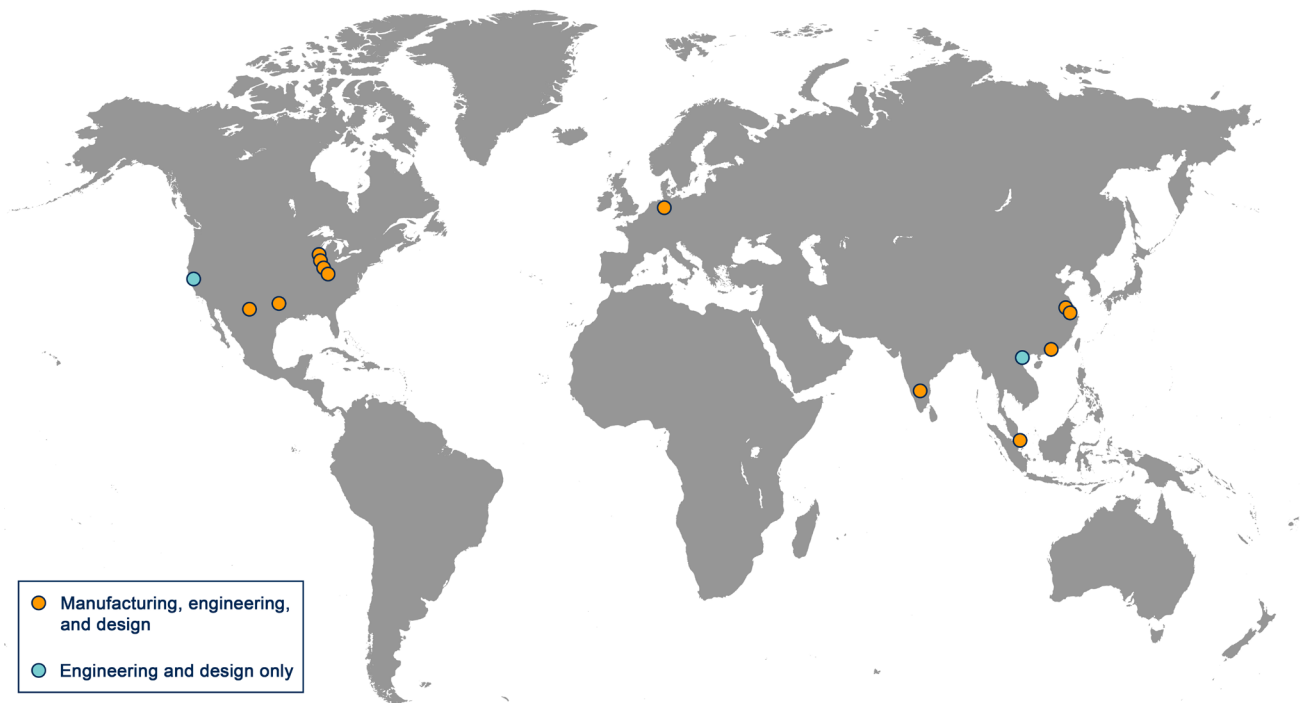


Marian heavily invests in obtaining and maintaining relevant quality certifications, including:

AS-9100  
ITAR  
ISO 9001  
IATF 16949  
ISO 14001



Marian is a global leader in providing precision die-cut component parts for customers in the consumer electronics, automotive, and medical industries. With over 1,800,000 square feet of production space worldwide and state-of-the-art manufacturing technologies, Marian engineers work closely with customers to solve complex manufacturing and assembly problems. Marian's responsive approach, in-depth material knowledge, innovative manufacturing capabilities, and high standards for quality all add up to provide you with the best component solutions in the industry.



Indianapolis, IN, US  
(Headquarters)  
800-773-0062

Milwaukee, WI, US  
414-672-3000

El Paso, TX, US  
915-591-8558

Suzhou, China  
86-512-6283-3438

Monticello, IN, US  
(Medical)  
800-773-0062

Fort Worth, TX, US  
817-332-6151

Singapore  
65-6481-0633

Shenzhen, China  
86-755-2967-0073

Chicago, IL, US  
630-293-7800

Bay Area, CA, US  
(Sales/Engineering)  
800-773-0062

Bremen, Germany  
49-4241-80264-00

Hanoi, Vietnam  
(Sales/Engineering)

Bangalore, India

[marianinc.com](http://marianinc.com) | [sales@marianinc.com](mailto:sales@marianinc.com)

