



# Custom, Flexible Die-Cut

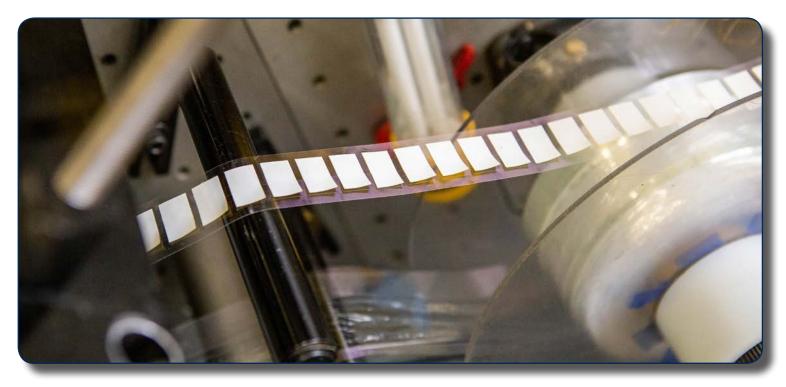
*Marian is a certified global leader in manufacturing precision die-cut solutions made from innovative, flexible materials.* Specializing in cutting-edge processes to convert the toughest materials to precision components, Marian is equipped with the knowledge and resources to manufacture custom solutions to combat your biggest design challenges.

**Our value-added services and capabilities are extensive** and include: material specification and selection, rapid prototyping, rotary and flatbed die cutting, material slitting, complex multi-layered laminations, ability to meet tight tolerances, automated assembly techniques, and more.



### **Marian Converting Process**

Each part Marian manufactures is customized to meet our customer's specific design requirements. The process below provides a general outline of the steps we take to ensure we meet your expectations from our initial contact through full production.



#### CONSULTATION



Your Sales Engineer will collaborate with you to understand the details and design challenges related to your application, end use, quality requirements, and cost constraints.

## MATERIAL SELECTION

Marian has built strong partnerships with premier material suppliers of thin, flexible foams, adhesives, foils, and more. Sales Engineers complete extensive material 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. Additionally, we'll add industryspecific processes, such as clean rooms for medical components, when necessary.

#### FINAL PACKAGING

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After manufacturing, we package your finished parts according to your assembly processes: individually, on sheets, or on rolls. We can also design & manufacture your parts for automated assembly to fit seamlessly into your existing processes.

#### PROTOTYPING



Our prototyping capabilities, include computer generated, laser cutting, water jet cutting, blade cutting plotters, and multilayer laminations. No tooling is required - just provide your CAD file and we'll create a prototype in 24 hours (for in-stock materials).

#### QUALITY & CUSTOMER SERVICE



Marian invests heavily in obtaining and maintaining the relevant quality certifications for the many industries we serve. High quality standards and customer satisfaction are primary focuses for our teams all over the world.

MARIAN

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#### **Manufacturing Capabilities**

Components manufactured by Marian are used in many of your favorite everyday products and enhance assembly processes and reduce costs. With a wide variety of manufacturing capabilities, we can offer a solution to meet the needs of your application.

Marian's headquarters is home to a machine shop where we build our converting equipment to send to our locations all over the world. This allows us to offer unparalleled capabilities, speed, and capacity that wouldn't otherwise be possible.

- Rapid Prototyping
- Laser Cutting
- Rotary Die Cutting Water-jet Cutting
- Flat Bed Die CuttingMatch-Metal Die
- Cutting
- Plotter Cutting
- Precision Slitting
- LaminatingAssembly
- Screen Printing
- Spooling
- Corona Treating



#### **Materials**

With extensive material knowledge, Marian Sales Engineers will help guide you to the best material for your custom applications. *Our engineers are familiar with and have access to thousands of thin, flexible materials ranging from sponges and foams to foils and absorbers.* 

Marian has long-standing relationships with premier material manufacturers such as 3M, Rogers, tesa, Polymer Science, Saint Gobain, and more.

- Sponges & Foams
- Adhesives & Tapes
- Urethanes
- Silicones
- Conductive Tapes
- Graphite

- Thermal Pads
- Copper, Aluminum Foils
- Films, Rubber
- Filter Fabrics & Mesh

#### **Custom Die-Cut Solutions**

Designing a new product can be challenging. Custom components manufactured by Marian provide solutions and solve problems for a variety of applications seen in today's cutting edge product designs.





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Marian is a global leader in manufacturing precision die-cut components for customers in the consumer electronics, automotive, battery, and medical industries. With over 1,000,000 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, indepth material knowledge, innovative manufacturing capabilities, and high standards for quality all add up to provide you with the best component solutions in the industry.

