

WHAT CAN

APEX MILLS

DO FOR YOU?

Specialty fabrics for a material world.

A polluted river needed a high surface area fabric to promote algae growth and purification. We developed a solution that not only solved the problem, but enabled the algae to be harvested for enhanced sustainability.



No matter how big your dream, how demanding the project, or how complicated the application, Apex Mills' custom textile development has the right solution for you.



Buildings with high threat potential needed affordable bomb shield safety curtains to prevent glass from flying inward and harming employees. We developed a fabric to make premium safety more cost effective.

With the number of motorcycles on the road reaching 8.5 million, the number of accidents has steadily increased making safety even more important. We engineered a tear resistant fabric for motorcycle jackets that helps to protect the rider in an accident.



Made in America

U.S. based supplier and manufacturer

In-person collaboration

Highly responsive team

On-site development

Tight quality control

Quicker deliveries

Flexible production schedule

Domestic job creation

Supporting local communities



A military contractor required a high strength, light-weight fabric for a new counter-chemical/ biological warfare garment utilizing nanotechnology. Our ability to expedite product delivery enabled our customer to accelerate development and go-to-market earlier.



NASA and aerospace manufacturers needed a way to hold aircraft and space vehicle components together under extreme temperature differences. We created a nylon substrate that exceeded their expectations.



One of the nation's largest suppliers of patient lift slings faced a challenge that created a potentially dangerous condition for the patients using them. We designed a stabilized, non-stretch fabric using high tenacity yarn chosen for its strength. The supplier replaced the fabric of the sling seat, significantly reduced their exposure to risk, and offered a more comfortable seating solution.



A global manufacturer of office furniture wanted a transparent, cushioned fabric that met the ergonomic and cosmetic needs of their newly fashioned seating solution. We developed a 3D spacer fabric with the resiliency, stretch and sheerness that achieved each of our customer's goals.



Problem Shared.
Problem Solved.™

Textile Types

Application Driven Design

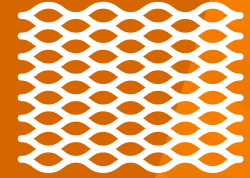
makes your most challenging fabric ideas a reality.

With Apex Mills, you get a partner who works with you to identify and address each of your design challenges to develop the right solution.

Our Application Driven Design approach means that each project is evaluated by the specific demands of its application. This in-depth approach results in innovative fabric formations that enhance your end product.

Mesh/Netting

The advantages of mesh and net fabrics are that they can be lightweight, yet remarkably tough and tear resistant. Ideal for applications that require high strength-to-weight ratio and porosity, our depth and breadth of experience enables us to construct the perfect fabric to meet your diverse needs.



Solid Knits

The potential for solid knits is limitless. Interlocking loops of yarn allows air to pass through making the fabric breathable yet sturdy. The construction of knits allows customers to cut the fabric without fraying or worrying about loose ends. We design knits that meet a myriad of needs – from completely stable to those with a great deal of stretch in width, length or bias.



3D Spacers

3D spacers enable tremendous breathability and durability. To create a cushioning fabric, two fabric surfaces sandwich vertical spacer yarns. The spacer yarn can vary in both length and resiliency, and the top and bottom layers of fabric can each possess distinct and unique characteristics to create the perfect combination for your application. Across industries, 3D spacer fabrics have made their way into fashion, safety, medical applications, office furniture, automobiles and a host of other products that are part of our everyday lives.



Design Goals

To see other ways fabrics can be used, visit
apexmills.com

HEADQUARTERS

Long Island, NY

Founded in 1943

OUR MILL

Graham, NC

100+ local workers



Engineered

Combining technical expertise and customer collaboration is vital to successful textile development. Understanding the full extent of the challenges our customers face enables us to solve them with application focused precision.



Innovative

Innovation is not simply dreaming up new ideas. It's the ability to transform these ideas into actual products. Apex Mills has been recognized by top product engineers for its ability to innovate new textile solutions.



Performance

Our products are used in mission critical situations and we are totally invested in their success. Our proven approach gives customers confidence that our fabrics will perform to the exacting standards they've established.