



*Inspired by Innovation :: Driven by Excellence*





# DELIVERING EXCELLENCE

EVERY PRODUCT / EVERY PROCESS / EVERY TIME

BGF Industries, a subsidiary of Porcher Group, is a leading US manufacturer of innovative technical fiber materials for global markets. Our products deliver high strength, high temperature, lightweight solutions that provide structural integrity, thermal, environmental and ballistic protection, or decorative appeal in countless everyday products from circuit boards to surfboards, from mufflers to snowmobiles, airplanes to armor and everything in between.

Our mission is to be the leading provider of technical fabrics by delivering excellence in every product, every process, every time. We accomplish this through customer-focused collaboration and by embracing a philosophy that inspires innovation so that our customer's product will yield exceptional value in the markets they serve.



## Manufacturing

BGF has over one million square feet of manufacturing space, and continually invests in the latest and most technologically advanced manufacturing equipment available.

### Weaving

Our weaving process utilizes high performance fibers such as fiberglass, carbon, aramid and other specialty fibers.

### Finishing

Proprietary processes employ both mechanical and chemical treatments to apply a wide range of bonding agents, pigments, FR coatings and stabilizers.

### Twisting, Plying & Texturizing

These processes provide additional tensile strength, surface adhesion, insulating properties and produce other key characteristics required for higher performance of the end product.

### Warping

We offer conventional beam warping, direct warping and sectional warping to meet our customers' specific needs.

### Fabrication

BGF has a facility dedicated solely to manufacturing fabricated automotive and industrial applications or parts that add value and function to any product or service.

Our Fabrication capabilities include:

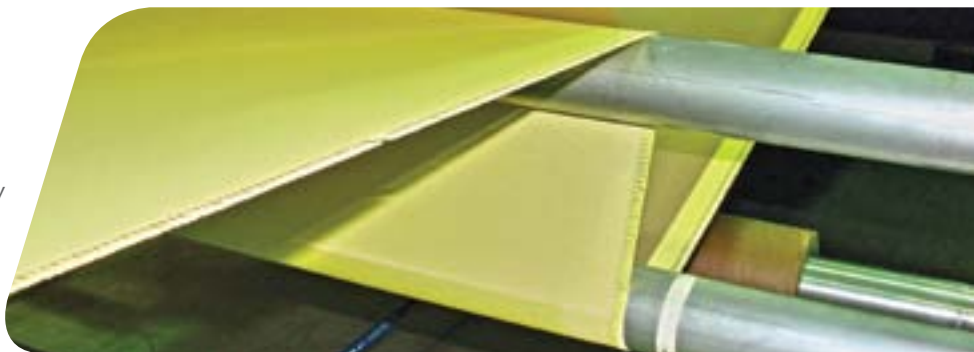
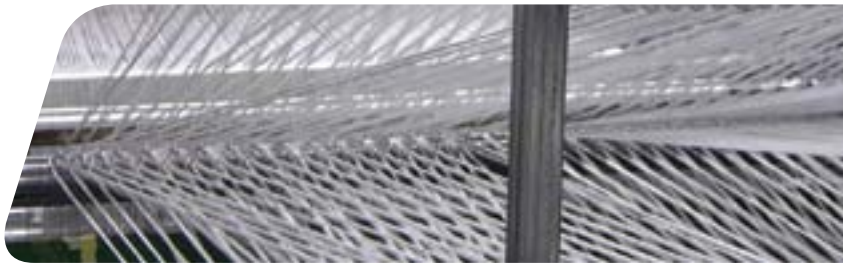
**Die Cutting, Molding, Sheeting, Layering, Parts Assembly, Winding, Welding, Adhesive Application, Preforms, Sorting, Texturing, Stamping**

### Lamination

Our lamination capabilities allow us to add durability and unique properties to fabrics or other materials for a custom engineered solution.

- **Laminate fibers, foils, films, fabrics**
- **Widths up to 70"wide**
- **Temperatures up to 428 degrees F**
- **Multiple laminate materials in one process**
- **Up to six layers with 3 take-ups**

Other manufacturing capabilities include tracer yarn insertion, logo printing, custom packaging and heat treated pallets.



## Research & Development

BGF's Research & Development Division, located in Greensboro, North Carolina, has developed over 35 patents for its specialized finishes and processes. We divide our efforts among developing new products, improving current products, and responding to customer's questions and special needs. Our 37,000 square foot building combines the company's corporate headquarters with seven state-of-the-art laboratories focusing on Applications Development, Physical Testing, Microscopy, Analytical Testing, Pilot Processing, Composites Development and Filtration Technology.



## Export

BGF has an international Services Department that serves customers worldwide. Our experienced import/ export personnel manage all aspects of logistics and can arrange transport, handle customs requirements and documentation, proforma invoices and advise on methods of payment for specific countries.





BGF high-performance fabrics and materials serve the Composites, Construction, Electrical, Filtration, Insulation, Protective and Specialty markets.

## Composites

BGF engineers high-performance fabrics to meet the stringent criteria of the Advanced Composites Industry – Aerospace, Marine/Recreational and Decorative. High-performance fibers such as fiberglass, aramid, and carbon are currently utilized and we continue to evaluate new fibers for innovative applications. Each fiber offers its own unique advantages when engineered into a woven fabric, thus allowing the highest performance possible from the end product.

### Applications

Aircraft Interiors, Primary and Secondary Structures, Ducting, Helicopter Rotor Blades, Radomes, Avionics, Brake Linings, Automotive Tooling, Structural Aircraft Parts & Interiors, Surfboards, Marine Tooling, Recreational Equipment, Custom Car Parts, Hullboard Reinforcement, Repair Kits, Pipe Wrap, Medical Casting



## Insulation

Our woven and nonwoven insulation products deliver superior thermal and acoustical performance up to 2000°F for your high temperature needs.

### Applications

Automotive Exhaust Systems, Automotive Aftermarket Products, Appliance, Furnace Lining, Heat Shields, Industrial Piping, and many other industrial applications



## Construction

BGF fiberglass fabrics are used as structural reinforcement for many applications in the construction and architectural industries and as reinforcement for alternative energy components. Combined with our proprietary finishes, our fabrics provide added strength and fire resistance to meet the most stringent code requirements.

### Applications

Ceiling Tiles, Acoustical Facing, Roofing Substrate, Carpet/Rubber Mat Backing, Bonding Tape, Decorative Skylights, Smoke/Fire Barrier Curtains, Structural Reinforcement, Movie Screens, Roller Window Shades & Vertical Blinds



## Protective

BGF is a collaborative innovator of advanced armor solutions for military and law enforcement. We offer a fresh, new perspective to the Protective markets and work to develop hybrid solutions to meet specific threat levels.

### Applications

Blast Containment, Cockpit Doors, Vehicle Armor, Personal Armor Plates & Shields, Ballistic & Fragmentation Vests, Helmets, Blast Resistant Suits, Chainsaw Chaps, Cut Resistant Aprons, Bomb Blankets and Custom Protective Solutions



## Electrical

BGF produces glass fabrics for many dielectric applications in a wide range of fabric thicknesses and weights. Fiberglass fabric is used as a non-conductive insulator in multilayer printed circuit boards, Teflon® or silicone coating applications and unclad laminates for many industrial uses.

### Applications

Computers, Modems, Telecommunications, Automotive, Heat-Sealing, Food Processing Belts, Protective Garments, Electrical Insulation and other consumer products



## Filtration

BGF is the leading supplier of fabrics for high temperature dust filtration for utilities, asphalt and carbon black producers, and refineries. Our fabrics are used for pulse jet and reverse air processing and are sold with our specialized finishes for lamination. As environmental regulations have become increasingly restrictive, we work continuously to stay abreast of new industry regulations to develop fabrics and finishes with the appropriate physical properties to meet these stringent requirements.

### Applications

Refineries, Basic Power Generation, Large Utilities, Industrial Boilers, Asphalt & Carbon Black Production



## Specialty

BGF manufacturers custom fabrics for niche markets including aluminum coated glass fabrics for EMI/RFI shielding and thermoplastic glass fabric for thermal insulation.

### Applications

EMI/RFI Shielding, Microwave Antennas, Lighting Strike Protection, Electrostatic Dissipation & Finishing, Thermal Dissipation, Radar Reflective Composites, and Interior Wall Panels, Scuff Liners, Aerodynamic Fins and Ceilings for refrigerated trucks



#### Corporate Headquarters / R&D

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#### U.S. Locations

##### ✦ BGF West Coast

3815 Medford Street  
Los Angeles, CA 90063  
323-264-1353  
Fax: 323-266-6430

##### ✦ Specialty Weaving & Industrial Nonwovens

401 Amherst Ave  
Altavista, VA 24517

##### ✦ Parts Fabrication Facility

801 5th Street  
Altavista, VA 24517

##### ✦ South Hill Multi-Layer Facility

179 Butts St.  
South Hill, VA 23970

##### ✦ Cheraw Carbon Weaving

90 Huger St.  
Cheraw, SC 29520

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#### International Locations

##### ✦ Porcher Industries / Europe

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