

Saint-Gobain HyComp, LLC was originally founded in 1986 and is now a state-of-the-art fully integrated and versatile manufacturing company that is part of the Omniseal Solutions business. We specialize in the manufacturing of sophisticated parts produced from high performance thermoplastics and thermoset composites.

Our mission is to strategically partner with Aviation and Defense organizations to supply engineered plastic and composite mechanical components for airframe subsystems that drive cost and weight reduction.

We accomplish this by working with procurement, engineering, and R&D personnel to provide value added solutions through:

- Value Engineering
- Alternate Material Options
- Metal to plastic conversions
- Vendor Consolidation Packages

We have existing relationships with over 40 Tier 1 supplier organizations that we supply globally. We have recently added 15,000 square feet to our manufacturing facility which will help support our new and existing customer mix by improving product flow and reducing lead times. An expanded tool room and enhanced assembly area will help us diversify our product mix and attract new business.

All of the above, combined with top level quality and competitive pricing, will help shape our company, and yours, in the years to come.

Quality Performance

Our business maintains AS9100 Revision D certificates and incorporates full service inspection capabilities into all aspects of our manufacturing runs. Poor quality can become very expensive and cause logistical issues with product delivery. Our Quality Management Systems are run by experienced quality engineers in an effort to control cost and maintain the highest on time delivery possible.

- Process controls
- In process inspection
- FAI
- PPAP - FMEA, Control Plans
- SPC - Key Characteristics
- MRB
- Quality Clinic
- ESA
- Frozen Process

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Engineered Plastics & Composite Solutions



Compression & Transfer Molding

Omniseal Solutions manufactures custom compression molded thermoset parts for various industries. Our advanced equipment in this area allows us to produce complex shapes, near net designs, and a variety of stock shapes. Materials used when compression molding are polyimides, phenolics, and epoxies. Capabilities include molding from 25-500 tons, material drying, and postcuring to 800°F.

Injection Molding

We manufacture custom injection molded thermoplastic parts for mechanical Aerospace Systems. Our company processes these materials unreinforced or reinforced with carbon fiber:

- PEEK
- Torlon®
- Ultem®
- Ryton®
- Polycarbonate



We process these materials unreinforced or reinforced with carbon fiber, aramid fiber, or glass.

Secondary Machining

Our extensive machining operations finish molded parts to exact tolerances providing customers with parts complete to their specifications. Our machines include:

- CNC vertical machining centers with 5th axis
- CNC turning centers with live tooling
- Surface grinding, Honing & ID and OD grinding

Dedicated Assembly Department

- Heli-coil installation
- Ultrasonic welding
- Complex bonding
- Chemical etching
- Dedicated Test Laboratory



Product Depth

Saint-Gobain HyComp, LLC currently supplies parts used in subsystems on almost every commercial and military aircraft in service today. We achieve this by identifying applications that can take advantage of our material repertoire, core competencies, and secondary capabilities while maintaining competitive pricing and world class quality. Industry leading OEMs are utilizing these product solutions to stay ahead of the competitive curve and provide affordable, high performance solutions to their customer base.

Engineered Composites
Bearing / Seal / Wear Components
Aircraft Engines, APUs and Actuation Systems
Aircraft Braking Systems
Power Generation and Power Distribution Systems

Engineered Plastics
Power Generation and Power Distribution Systems
Environmental Control Systems

Advanced Thermoplastics
Inlet Guide Vanes and Bushings
Engines and APUs

Our Team

- Value Proposition
- Customer Focus
- Product Depth
- Quality Materials
- Integrated Manufacturing
- Advanced Technologies

Your Organization

- Cost Sensitivity
- Quality Performance
- Delivery Reliability
- Application Selection
- Experienced Partner
- Concurrent Engineering



High performance material for demanding applications