

Originally founded in 1986 under Hycomp, LLC, the company is now a state-of-the-art fully integrated and versatile manufacturer 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 organizations to supply engineered plastic and composite mechanical components for airframe subsystems that drive cost savings and weight reduction.

We accomplish this by working together 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

### Omniseal Solutions

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# Engineered Polymers & 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



## 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



## Product Depth

Omniseal Solutions 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 Polymers

Power Generation and Power Distribution Systems  
Environmental Control Systems

### Advanced Thermoplastics

Inlet Guide Vanes and Bushings  
Engines and APUs



High performance material for demanding applications