

COMPOSIFLEX INDUSTRIAL

Advanced Industrial Composites

The use of manufacturing aerospace composites is growing rapidly, led by major airframe manufacturers for both commercial and military aviation. Advanced aerospace composites have gained wide acceptance to replace metal, primarily for weight reduction. Performance benefits of the use of composites include lowering fuel costs, increasing flight time, speed, and distance.



COMPOSIFLEX

The advantages of using advanced composites in these applications include:

- The ability to leverage directional fiber strength
- Corrosion resistance
- Light-weight materials
- Fatigue performance
- Damping properties
- Electrical insulation



Applications

The applications that Composiflex supports include:

- Industrial Automation bars and booms (including robot arms)
- High-torque industrial shafts
- Drive shaft coupling components for wind turbines and other applications
- Railroad insulated rail joints
- Filament over-winding of rotors and magnets

Certifications and Accreditations

- Nadcap Composites (LPR & PAR)
- AS9100 Revision D with ISO9001:2015
- ITAR Registered
- SAM Registered
- JCP Registered
- AMS2750 Pyrometry Compliant
- Clean and Environmentally Monitored Rooms (CCA& EMA)
- NIST SP 800-171 Compliant (score 110)
- Cyber Security CMMC Compliant to Level 3
- Registered on SPRS



The support industrial composite customers, we offers:

- Proprietary FlexPLY™ materials
- Industry leading proven solutions
- Several thickness options
- Customized solutions are cut to size with pre-drilled attachment holes
- Part marking options are available

COMPOSIFLEX INDUSTRIAL COMPOSITES

Production Processes

The optimal production process choice is based upon final part specifications and production volume. Standard production options include:



Curing (Autoclave, Press and Oven): Cured computer-controlled and recorded heat and pressure.



Press Molding: Compression molded parts or flat panels.



Resin Transfer Molding (RTM)/VARTM and Light RTM: Mold process that combines fibers and resin.



Tooling/Prototype: Production and prototype tooling options available.



Filament Winding: Resin coated fibers wound on rotating mandrel.



Machining: In-house CNC machining controls costs and lead time.



Engineering: Analysis and testing to support your project.



Finishing & Other: Surface prep, painting/coating, and other processes including final assemblies, sub-assemblies, and kits can be created.

What Makes Composiflex World Class?

Delight Our Customers

"Delivering exceptional quality, service, and value to our customers."

Employee Education and Training

"Grooming a well-trained workforce focused on customer satisfaction."

Total Productive Maintenance

"Achieving maximum equipment effectiveness through employee involvement."

Safe Workplace

"Believing in safety and having a record that shows it."

Continual Improvement

"Being addicted to the benefits of never ending improvement."

Key Performance Indicators

"Taking our goals seriously. If we make a promise, we deliver."

6S

"Sustaining a clean, safe, and efficient workplace."

Goal Alignment

"Fostering a culture of teamwork to achieve the strategic goals and objectives of the company. Together we will make a successful future."

Employee Involvement

"Knowing that nothing we do is more important than hiring and involving employees. At the end of the day, people are what make the difference."

Lean Thinking

"Eliminating waste and creating value."



Mike Chesley
President - Composiflex

Visit composiflex.com for more detailed information. Our experienced engineering staff is available for your technical assistance. Please call 800-673-2544 or e-mail us at info@composiflex.com.

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ISO 9001 Certified
AS9100 Certified

For more than 38 years, Composiflex has been an innovator in the design and manufacture of advanced high-performance composites. Specializing in custom designs, Composiflex currently serves the medical, military, aerospace, ballistic protection, industrial and recreational markets. Composiflex conducts operations in Erie, PA, USA.