

BLACKHAWK COMPOSITES

YOUR COMPOSITE SOLUTION PARTNER



The Blackhawk Advantage

For more than a decade, Blackhawk Composites has helped our customers achieve a competitive advantage. Our ability to provide full in-house services, paired with our deep experience in a wide variety of aerospace-certified composites, allows us to develop cost-saving composite techniques and processes. We pass these efficiencies on to you as we deliver cost-effective diverse solutions tailored to your specific requirements.

Your Full-Service Source for Quality Composite Solutions

Blackhawk Composites' comprehensive composite design and manufacturing capabilities allow you to realize **increased performance, strength, and payload with reduced maintenance costs**. As your composites partner, we work with you to support your custom designed solution from proof-of-concept through production and FAA and other regulatory approvals.

COMPOSITE MATERIALS

We partner with a wide variety of high quality composite material suppliers, allowing us to procure and process the ideal material for your project.

These include, but are not limited to:

- Axiom
- Solvay (Cytec, Advanced Composite Group, JD Lincoln)
- Hexcel
- Toray (TenCate Advanced Composites)

COMPOSITE SERVICES

- Build-to-Print Production
- Reverse Engineering
- Prototyping/Rapid Prototyping
- Production Composite Tooling
- Low-Cost Tooling, and Jigs
- Template Design and Creation
- Full Composite Manufacturing
- Finishing
- Regulatory Approvals and Certifications
- Composite Repair

EXTENSIVE EXPERIENCE

Our expertise spans a variety of proven materials and specialized systems.

COMPOSITE MATERIALS

Epoxy Impregnated Materials

Phenolic Resin

Bismaleimide (BMI) Resin

CORE MATERIALS

Foaming Adhesives

Film Adhesives

Surface Films

Potting Compounds

RESIN SYSTEMS

Fiberglass

Carbon

Kevlar

Astro-quarts



BLACKHAWK
A E R O S P A C E
C O M P O S I T E S



OUR FACILITY

Morgantown, KY



60,000+ square feet of design and manufacturing space

Certified ISO clean room for lay-up

Controlled contamination area

Oven capable of processing parts up to 8 ft x 8 ft x 24 ft, with expansion options

Autoclave capable of processing parts up to 5 ft x 20 ft

Freezer storage of materials

Paint booth

OUR CAPABILITIES

- Prepreg, Vacuum Assisted Resin Transfer Molding (VARTM) and wet lay
- Oven processing
- Autoclave processing
- Automated ply cutting of prepregs, adhesives, surface films, and other materials
- Laser ply placement
- Hand and 5-axis CNC trim, drill, and core machining operations
- Product assembly
- Adhesive bonding
- Fastener attachment including rivets and aerospace fasteners
- Complete bodywork and paint
- Multiple non-destructive testing methods

A PEDIGREE OF PERFORMANCE

Blackhawk Aerospace Composites is a division of Blackhawk Aerospace, which has more than 20 years of aerospace design, manufacture, and maintenance experience for tier 1 and 2 suppliers, in the civil, government, and military markets. Our customer list includes such notable aerospace manufacturers as Airbus, Boeing, Bell, Cessna, Cirrus, Tamarack, Gulfstream, Dassault Falcon, Northrup Grumman, and Lockheed Martin.

Certifications

STC and PMA on many components & assemblies

ISO 9001:2015 & AS 9100D

ITAR Compliant and Registered

Part 145 FAA-Certified Composites Repair Station in Process

AIRBUS

BOEING



CIRRUS AIRCRAFT



Gulfstream™



LET US HELP INCREASE YOUR COMPETITIVE ADVANTAGE

CONTACT US TODAY

Learn more about Blackhawk Composites' full-service composite solutions.