

*Keeping You Airborne*

# Helicomb Services



- *Aerospace Manufacturing & Repair*
- *Composites/Metal Bonding*
- *Chemical Processing*
- *Maintenance Repair & Overhaul*



# Helicomb

**Helicomb International, a division of PCC Aerostructures, specializes in the manufacturing and repair of composite and metal bonded parts, sub-assemblies and assemblies for the aerospace and defense industries.**

## **Market Segments**

- Commercial Fixed Wing and Helicopter
- Military Fixed Wing and Helicopter
- DoD Manufacturing and Spares
- MRO – Helicopter Repair for Commercial and Military







## Customer Base

- Major Aerospace OEMs and Tier 1 Suppliers
- U.S. Department of Defense
- Foreign Militaries
- Airframe Heavy Maintenance Providers
- Fleet Operators
- Individual Owners and Operators



*Composite Structure*



*Fiberglass Fairing*

# Capabilities Helicomb





## Bonding

- Carbon/Graphite, Glass, Quartz, Kevlar, Aluminum, Titanium and Stainless Steel
- Metallic, Nomex and Foam Cores
- Epoxy, Phenolic and BMI Resin



## Chemical Processing

- Aluminum, Titanium and Stainless Steel

## Prime and Paint

- Corrosion Resistant Bond Primer
- Paint Preparation and Top Coat Application

## Tool Fabrication

- Bond, Route, Drill and Form Tools
- Fixturing

## On-site Laboratory

- Material Property Testing
- Part Qualification/Coupon Testing
- Material Receiving
- Statistical Process Control



## Facility and Equipment

- 80,000 sq ft Lean Manufacturing Facility
- Controlled Cleanrooms (3) 11,000 sq ft
- Assembly Area 37,000sq ft
- Dedicated Tooling Fabrication Area
- Chemical (Metallic) Processing Tanks
- Prime and Paint Shop
- Autoclaves – (2)
- Overhead Laser Ply Projectors
- FARO CMM – (2) Bridged
- Automated Ply Cutter
- Multiple Ovens and Freezers
- Tensile Testing Machines (2)

## Chemical (Metallic) Processing

- Phosphoric Acid Anodizing (PAA) of Aluminum
- FPL Aluminum Etch
- Hydrofluoric, Nitric and Phosphate Titanium Etch Tanks
- Stainless Steel Cleaning and Etching
- Cross Contamination Prevention
- Air Scrubbing System
- Testing and Verification Lab
- NADCAP Accredited Chemical Processing
- Multiple OEM Approvals

## Tool Fabrication

- Tool Fabrication
- Digital Product Definition
- Reverse Tooling for Legacy Aircraft Platforms
- Tool Repair and CMM Inspection
- Large Tooling Inventory for MRO and Spare Parts (on-site)
- Unique Tooling Solutions
- Bond, Route, Drill, Form and Fixtures

## Software

- CATIA® w/Composite Design and Magestic Systems TruLASER™
- Unigraphics® NX
- AutoCAD®
- SolidWorks®
- Kubotek Validation Tool Software
- Verisurf Software
- CAM2 Measure 10
- ERP/MRP System
- Portus Data Mining System

## Offerings

- Dedicated Program Managers
- Supply Chain Management
- Vertical Integration
- One Stop Shop w/PCC divisions (machining, sheet metal, fasteners, etc.)
- Approved Source for DoD Source Controlled Parts
- Finished Goods Inventory
- OEM Qualifications
- AS9100 and NADCAP Accreditations
- ITAR Registered
- Financially Sound Corporation
- Experienced/Trained Workforce
- Over 35 Years in Business

## Certifications and Accreditations:

AS9100/ISO9001

NADCAP Accreditation Composites

NADCAP Accreditation Chemical Processing

## Qualified/Approved Manufacturer for:

Bell Helicopter

Boeing Commercial and Defense

Northrop Grumman Corporation

Sikorsky Aircraft Corp

## FAA/EASA Approved Repair Station:

FAA Certified Repairmen

FAA Diamond and Ruby Training Awards

A&P Certified Technicians

## Helicomb's Organization:

Continual Improvement Facility

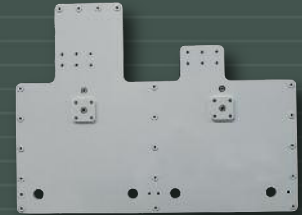
Supports Employee Enrichment and Learning Opportunities

Supports Local Charitable Organizations

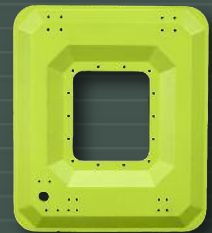
Supports Recycling and Green Initiatives



*Bonded Titanium Panel*



*Electronic Shelf Assembly*



*Composite Bonded Panel*



*Carbon Leading Edge*



*Major Repair/Overhaul Capabilities (above photos show repair process from start to finish)*



*Kevlar® Fairing*

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# Helicomb International

