



AEROSPACE MANUFACTURE

Our experience includes UAVs, VTOL systems, airships, fixed wing, rotary vehicles, engine cowlings, aircraft empennage, aircraft components, flight control surfaces, tooling, jigging and patterns.

Advanced integrated Technologies 

DESIGN FOR
MANUFACTURE

BUILD TO PRINT

PRE-PREG LAMINATING

TRIM & ASSEMBLY
INTEGRATION

ASSEMBLY OF COMPLEX
INTEGRATED
STRUCTURES

ADVANCED INTEGRATED
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Capabilities:

Design

- ISO9001: 2015
- Concept design
- Complex mechanical design
- 3D surface modelling
- Full CAD capability surfaces and systems
- Structural Analysis
- Harmonic analysis
- Vibration analysis
- Aerodynamic analysis
- Thermal Analysis
- Fatigue & Failure Analysis
- MTBF prediction
- Configuration control
- Pattern and tooling design

Manufacturing

- Pattern, Tooling and jig manufacture
- Full structural composite capability
- Composite repair capability
- CNC multi axis machining
- Large autoclave capacity 3.5m diameter x 6m long
- Structural hot and cold bonding
- Integration of electro/mechanical assemblies
- Controlled manufacturing areas
- Large Assembly Hall, covered by 2 tonne gantry, 22m x 7m x 7m
- Ultrasonic Degreasing
- Inspection, CMM, 2x Faro Arms,
- Creaform metrascan CMM
- Thermal Cycling & Environmental Test Chambers

