Specializing in new product introduction (NPI) through production-volumes of small drones and air vehicle systems.

Comprehensive Engineering resources are available for support on site as needed.

Manufacturing Experience

Multi-Tier UAV’s  Ground Stations  Battery Packs & Chargers

Electro-Mechanical Assemblies  Air Vehicle Modifications
Manufacturing Capabilities

In-House Composites:
- Mold Design & Fab
- Structures Fabrication
- Paint Booth
- Curing Ovens

In-House Machining Center:
- 3D Printing
- 3-Axis & 5-Axis
- CNC Machining
- Welding

Qualified Aerospace Supply Chain:
- Motors
- Propellers
- Composites

Avionics:
- Payloads
- Metal
- Electronics
- PCBA’s

Extensive Test Capabilities

Product Testing:
- Environmental Stress Screening
- Electric Motor Dynamometer (15kw-200kw)
- Qualification & Acceptance
- Ground & Flight
- Electric Motor & Controller
- Battery/Battery Cell

ESAero Manufacturing Footprint

20,000 sq. ft. “Lean” Manufacturing Workspace
AS9100 Rev D/ISO9001 2015 Certified
Flexible Work Cells
ESD Controls
Qualified Trainers & Operators (IPC610/620 and J STD-001)

Additional Services

Rapid Prototyping
Design for Manufacturing
Cost Reduction
Engineering Drawings (Solid Works)
Visual Work Instructions
B.O.M. Creation
Engineering Change Control
Supplier/Sub-Contractor Management
Inventory Management
Quality Assurance