ADVANCED AIR MOBILITY + EVTOL



PRECISION EXPEDITED

precisionexpedited.com

eVTOL hardware that keeps up **with every rev.**

Motor housings, battery enclosures, rotor and actuator hardware, and lightweight structures for advanced air mobility programs moving from prototype aircraft to conforming builds. Precision Expedited sources CNC machining, sheet metal, additive, and finishing through a vetted network of AS9100D compliant vendors. One contact tracks every revision so the part you receive matches the drawing you released.

How We Review It

Your project manager and a technical lead review every print within 24 hours, and every new revision the same way. We flag what changed, what it does to cost and lead time, and whether the current shop is still the right fit as your program heads toward conformity.

What We Source

Built for programs that change fast.

- **Motor + Inverter Housings** · Thermal features
- **Battery Enclosures** · Sheet metal, machined trays
- **Rotor Hardware** · Hubs, fittings, retention
- **Actuator Components** · Turned and milled
- **Lightweight Structures** · Thin-wall aluminum + titanium
- **Additive Parts** · DMLS titanium
- **Development Fixtures** · Polymer AM, machined
- **Test Article Hardware** · Rig and iron bird parts

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on critical features
- **Metals:** Aluminum, titanium Grade 5, Inconel, stainless
- **Plastics:** PEEK and high-performance polymers
- **Additive:** DMLS titanium + Inconel, polymer processes
- **Revisions:** Tracked from prototype to conforming build
- **Quote review:** Within 24 hours

Before It's Built

eVTOL designs chase weight, which means thin walls, deep pockets, and tolerances carried over from the last rev. We flag features that will chatter or distort and parts that should move between machined and additive at your next build quantity. You hear about it before the quote goes out.

Quality + Compliance

- ISO 9001:2015
- AS9100D Compliant
- ITAR Registered
- NIST 800-171 Compliant
- Tolerances to ±0.001"
- Inspection before shipment
- Revision tracking

Built Fast. Built Right.

Send us your files.

Scan or visit **precisionexpedited.com/contact**