

FLIGHT TEST + QUALIFICATION HARDWARE



precisionexpedited.com

Test hardware built to your test date.

Instrumentation brackets, sensor mounts, test fixtures, rig adapters, and qualification articles for flight test and certification campaigns. Precision Expedited sources CNC machining, sheet metal, additive, and finishing through a vetted network of AS9100D compliant vendors. One contact knows your test date, plans the build around it, and tells you early when anything threatens it.

How We Review It

Your project manager and a technical lead review every print within 24 hours and work backward from your test date. We confirm material availability, finish lead times, and inspection requirements up front, then place the job with a shop that has real capacity inside that window.

What We Source

Built around your test window.

- **Instrumentation Brackets** · Sensor + probe mounts
- **Test Fixtures** · Vibe, load, handling
- **Rig Adapters** · Interface plates, hardware
- **Qualification Articles** · Built to production drawings
- **Wire Harnesses** · Instrumentation harnesses
- **Enclosures** · DAQ and electronics housings
- **Additive Prototypes** · Fit-check, development parts
- **Repeat Builds** · Spares for the next article

Specifications

- **Tolerances:** ± 0.005 " standard, to ± 0.001 " on critical features
- **Metals:** Aluminum, titanium, steel alloys, stainless
- **Plastics:** PEEK, Delrin, high-performance polymers
- **Documentation:** Material certs, inspection records, FAI on request
- **Quantities:** One-offs through repeat test articles
- **Quote review:** Within 24 hours

Before It's Built

Qualification articles have to represent production, so we confirm the build matches the drawing you'll certify against. On fixtures and rig hardware we look for features that can relax to save days, materials in stock this week, and finish callouts that add lead time without changing the test. 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

FAI on request

Built Fast. Built Right.

Send us your files.

Scan or visit precisionexpedited.com/contact

