PROPULSION + ENGINE COMPONENTS

PRECISION EXPEDITED

precisionexpedited.com

Engine components in **the alloys that fight back.**

Brackets, fittings, manifolds, housings, and heat-exposed hardware for turbine, rocket, and hybrid-electric propulsion programs. Precision Expedited sources 5-axis machining, turning, DMLS, heat treat, and finishing through a vetted network of AS9100D compliant vendors that run titanium and Inconel every day. One contact owns your job from RFQ to delivery, with certs and inspection records attached.

How We Review It

Your project manager and a technical lead review every print within 24 hours. In high-temperature alloys we confirm the heat treat and finish sequence, check that callouts are achievable in the material, and route the part to a shop with nickel alloy experience and 5-axis capacity open now.

What We Source

Matched to shops that cut nickel alloys every day.

- **Brackets + Mounts** · Titanium and steel
- **Manifolds + Fittings** · Leak-critical passages
- **Housings + Covers** · Billet or your castings
- **Turned Components** · Shafts, spacers, sleeves
- **Additive Components** · DMLS Inconel
- **Formed Sheet Parts** · Shields, clips, brackets
- **Heat Treat + Finish** · Sequenced to spec
- **Test Hardware** · Rig adapters, fixtures

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on critical features
- **Metals:** Inconel 625 + 718, Ti-6Al-4V, 17-4 PH, 300-series stainless
- **Processes:** 5-axis milling, turning, DMLS, wire EDM
- **Post-processing:** Heat treat, passivation, plating, to print
- **Documentation:** Material + process certs, FAI on request
- **Quote review:** Within 24 hours

Before It's Built

Propulsion parts get expensive fast when the sequence is wrong. We check which features should be finished after heat treat, whether thin walls in Inconel will hold size, which internal passages belong in additive instead of cross-drilled, and whether your finish spec requires an approved processor. 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 | Heat treat to spec

Built Fast. Built Right.

Send us your files.

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