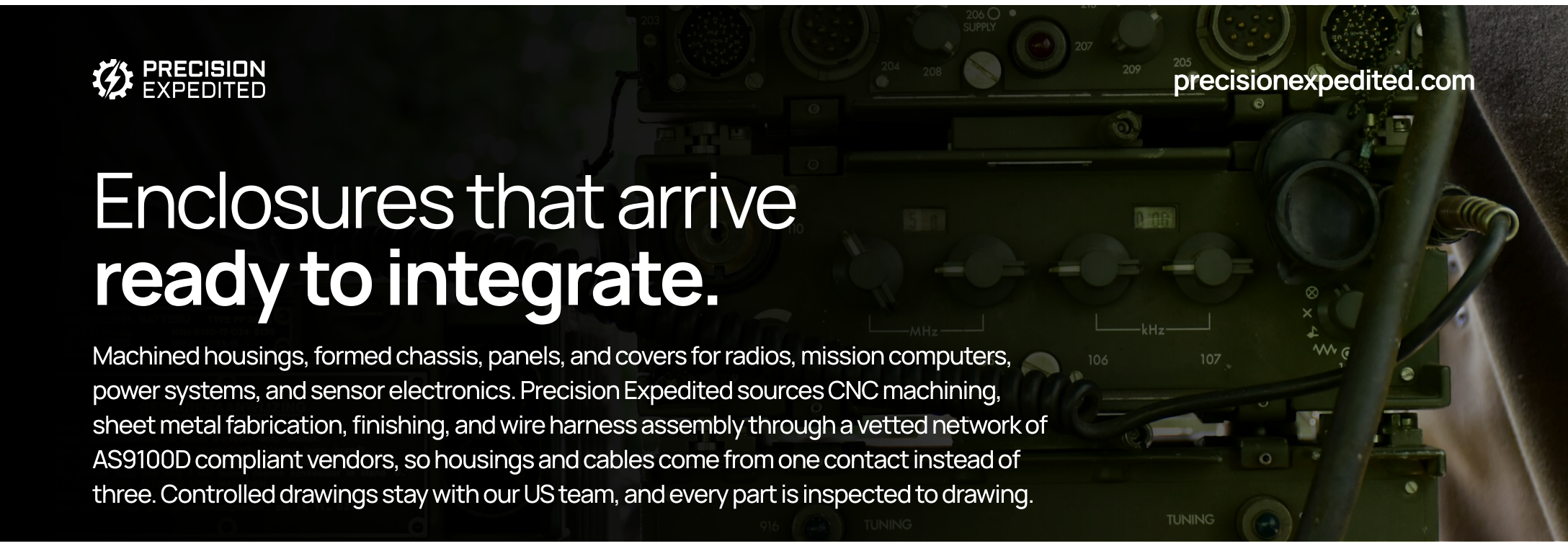
DEFENSE ELECTRONICS ENCLOSURES



PRECISION EXPEDITED

precisionexpedited.com

Enclosures that arrive **ready to integrate.**

Machined housings, formed chassis, panels, and covers for radios, mission computers, power systems, and sensor electronics. Precision Expedited sources CNC machining, sheet metal fabrication, finishing, and wire harness assembly through a vetted network of AS9100D compliant vendors, so housings and cables come from one contact instead of three. Controlled drawings stay with our US team, and every part is inspected to drawing.

How We Review It

Your project manager and a technical lead review every print within 24 hours. For enclosures we check sealing surface and gasket callouts, confirm thread and insert specs, review finish and masking requirements, and route the job to a shop with thin-wall housing experience and capacity open now.

What We Source

Housings, chassis, and cables under one contact.

- **Machined Housings** · Billet aluminum
- **Sheet Metal Chassis** · Formed and welded
- **Front Panels** · Finished to print
- **Covers + Lids** · Sealing surfaces held
- **Heat Sinks** · Machined aluminum
- **Rack Hardware** · Rails, brackets, trays
- **Cable Assemblies** · Built to print
- **Wire Harnesses** · Matched to the housing

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on critical features
- **Materials:** 6061 + 5052 aluminum, stainless, steel, PEEK
- **Processes:** CNC milling, sheet metal, harness assembly
- **Finishes:** Anodize, chem film, paint, powder coat, masking to print
- **Documentation:** Material certs, inspection records, FAI on request
- **Quote review:** Within 24 hours

Before It's Built

Enclosures fail at integration, not at the machine. We check sealing surfaces against your gasket spec, flag masking that chem film and paint will need, confirm insert and thread callouts match your hardware, and make sure the harness and the housing are built to the same revision. 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 | Finish to print

Built Fast. Built Right.

Send us your files.

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