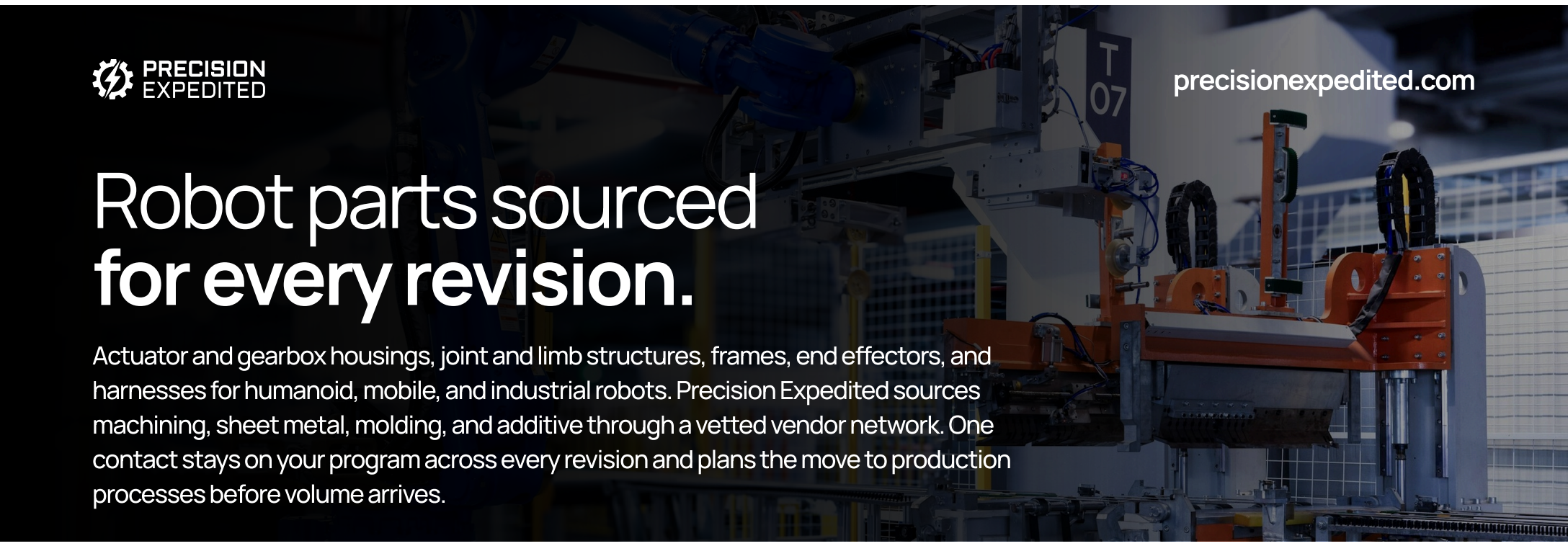
ROBOTICS + AUTOMATION



Robot parts sourced **for every revision.**

Actuator and gearbox housings, joint and limb structures, frames, end effectors, and harnesses for humanoid, mobile, and industrial robots. Precision Expedited sources machining, sheet metal, molding, and additive through a vetted vendor network. One contact stays on your program across every revision and plans the move to production processes before volume arrives.

How We Review It

Your project manager and a technical lead review every print, and every new revision, within 24 hours. We flag what changed, what it does to cost and lead time, and when a machined housing should move to molding or casting ahead of your next build.

What We Source

Mixed BOMs on one PO, with one contact.

- **Actuator + Gearbox Housings** · Machined aluminum
- **Joint + Limb Structures** · Thin-wall, lightweight
- **Gear Blanks + Shafts** · Turned, bearing seats
- **Frames + Battery Enclosures** · Formed and machined
- **End Effectors** · Tooling plates, grippers
- **Covers + Shells** · Molded, TPE overmolds
- **Harnesses + Sub-Assemblies** · Electromechanical
- **Line Fixtures** · Test and assembly

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on bearing fits
- **Metals:** Aluminum 6061 + 7075, 4140, 17-4 PH, titanium
- **Plastics:** PEEK, acetal, nylon, PC/ABS, TPE overmolds
- **Finishes:** Anodize, powder coat, paint, bead blast, plating
- **Volumes:** Five prototypes through production lots
- **Quote review:** Within 24 hours

Before It's Built

Robots rarely ship on rev A. We look for bearing fits stacked across parts from separate shops, thin walls that will distort in 7075, and machined parts too costly at production rates. 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 + PPAP available

Built Fast. Built Right.

Send us your files.

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