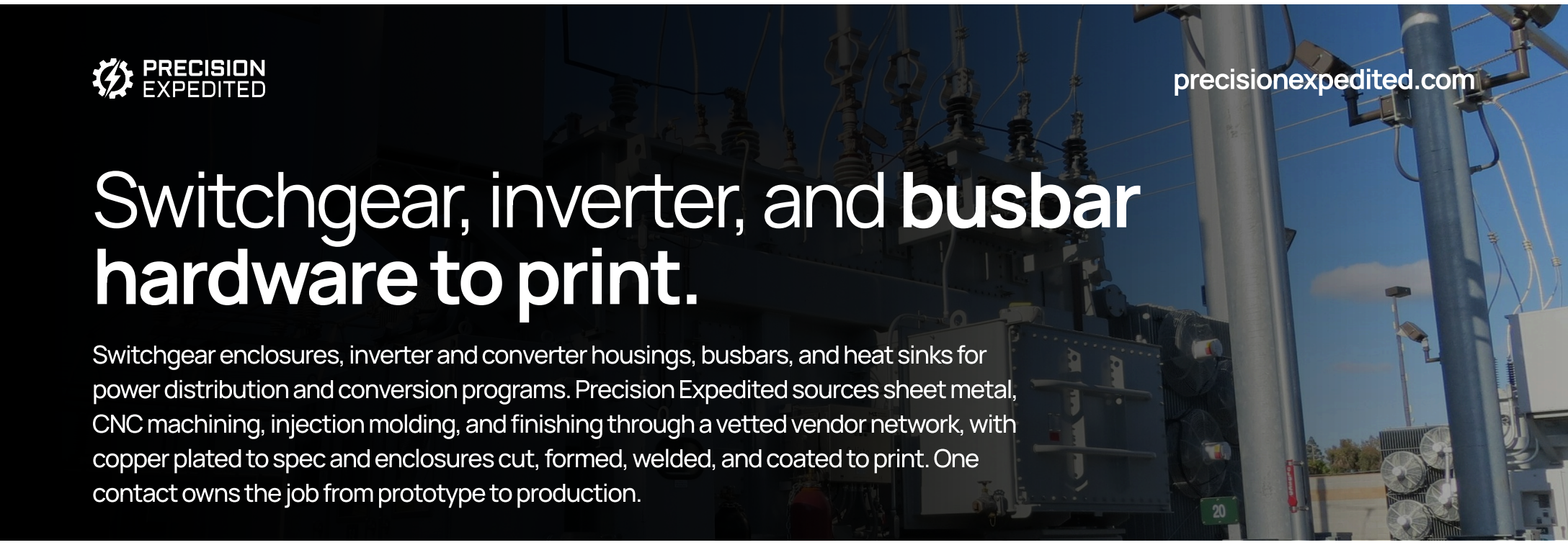
POWER DISTRIBUTION + CONVERSION



PRECISION EXPEDITED

precisionexpedited.com

Switchgear, inverter, and **busbar hardware to print.**

Switchgear enclosures, inverter and converter housings, busbars, and heat sinks for power distribution and conversion programs. Precision Expedited sources sheet metal, CNC machining, injection molding, and finishing through a vetted vendor network, with copper plated to spec and enclosures cut, formed, welded, and coated to print. One contact owns the job from prototype to production.

How We Review It

Your project manager and a technical lead review every print within 24 hours. For distribution and conversion hardware we check plating and conductivity callouts, insulator features on molded parts, flatness on mating surfaces, and weld distortion on large enclosures.

What We Source

Matched to shops that run copper and enclosures.

- **Switchgear Enclosures** · Formed, welded, coated
- **Inverter Housings** · Machined or formed
- **Busbars** · Copper, plated to spec
- **Heat Sinks** · Machined aluminum
- **Cabinets + Racks** · Sheet metal, powder coat
- **Insulators + Connector Bodies** · Molded
- **Mounting Hardware** · Cut, formed, machined
- **Wire Harnesses** · Built to print

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on critical features
- **Materials:** C101 + C110 copper, aluminum, steel, resins
- **Processes:** Sheet metal, CNC, molding, plating, assembly
- **Finishes:** Tin, nickel, silver plating; powder coat; anodize
- **Documentation:** Material + plating certs, FAI on request
- **Quote review:** Within 24 hours

Before It's Built

Distribution hardware often mixes sheet metal, copper, and molded parts in one assembly, and problems show up where they meet. We check bend reliefs and hardware callouts on enclosures, plating thickness on conductors, and whether a machined busbar should be stamped or formed at volume. 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 | Domestic sourcing

Built Fast. Built Right.

Send us your files.

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