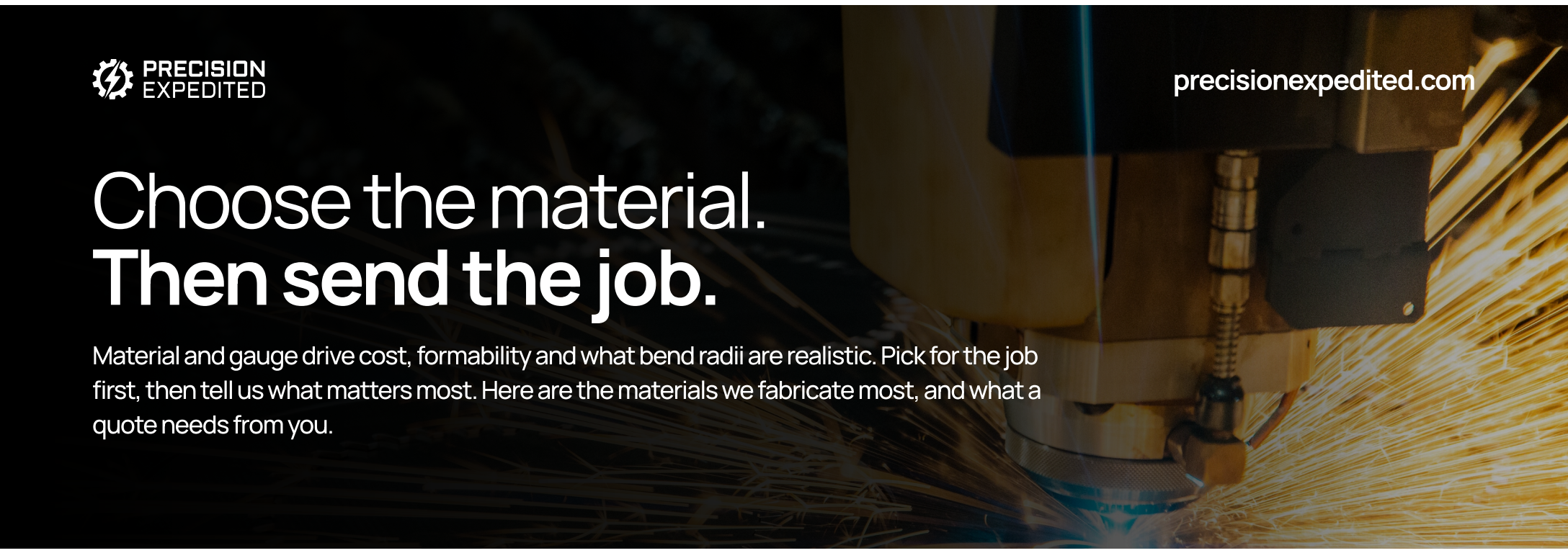
SHEET METAL MATERIALS GUIDE



PRECISION EXPEDITED

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Choose the material. **Then send the job.**

Material and gauge drive cost, formability and what bend radii are realistic. Pick for the job first, then tell us what matters most. Here are the materials we fabricate most, and what a quote needs from you.

How We Match Material

We route each part to the fabricator in our vetted network with the right tooling for that material and thickness, so you get one quote and one point of contact. Your project manager confirms gauge and bend radii fit before the quote goes out.

Materials

Don't see yours? Ask. The network covers far more.

- **Aluminum 5052** · Forms clean, enclosure default
- **Aluminum 6061** · Stronger, needs larger bend radii
- **Cold rolled steel** · Economical brackets + chassis
- **Galvanized steel** · Corrosion resistance, weld with care
- **Stainless 304 + 316** · Harsher environments
- **Copper + brass** · Conductivity for busbars + grounding

What to Send

- **STEP or DXF + print:** Model or flat, print for tolerances
- **Material + gauge:** Alloy, temper, thickness
- **Hardware:** PEM part numbers + locations
- **Finish:** Powder coat, anodize, plating, color
- **Quantity + timing:** Prototype run, volume, deadline
- **Documentation:** Certs, inspection, ITAR requirements

Missing Something?

Send what you have. We'll ask for the rest. One project manager owns the job from flat pattern to finished part, so material, hardware and finish questions get settled before the quote goes out.

Quality + Compliance

- ISO 9001:2015
- AS9100D Compliant
- ITAR Registered
- NIST 800-171 Compliant
- Hardware insertion in-program
- Inspection before shipment
- ISO 13485 Compliant

Built Fast. Built Right.

Send us your files.

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