

Metal Stamping RFQ Checklist

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Share as much of this as you can and we will return a proposed tooling and stamping approach with indicative pricing, typically within 48 hours. A drawing, DXF or sample is ideal.

1. Part & material

- Material and thickness (steel, stainless, aluminium, copper, brass)
- A flat-pattern or 3D drawing, DXF/STEP, or a sample
- Part size and the key formed features (bends, draws, embosses)
- Annual volume — drives single-stage vs progressive tooling

2. Tooling & process

- New tool, or transfer of an existing tool
- Tolerances and any critical formed dimensions
- Surface / cosmetic requirements on visible faces
- Secondary operations: tapping, welding, deburring

3. Finish & delivery

- Finish: plating (zinc, nickel), powder coat, painting, passivation
- Assembly, hardware insertion, kitting and packaging
- Target cost and call-off pattern
- Compliance / test: RoHS, REACH, dimensional reports

Email this with your drawing to support@pa-international.com.au or use the quote form on the page.

Metal Stamping — Quick Reference

Tooling and process at a glance

Tooling type

Tooling	Best for	Trade-off
Single-stage / compound	Low-to-mid volume, simple parts	More handling per part at high volume
Progressive die	High volume, multi-feature parts in one press stroke	Higher tooling cost, justified by volume
Deep-draw	Cups, shells and enclosures from sheet	Material and radius limits per draw stage

Design factors

Decision	Rule of thumb
Volume	High volume justifies a progressive die; low volume favours simple/compound tooling.
Bend radii	Keep radii \geq material thickness; tight radii risk cracking, especially in harder tempers.
Material	Match temper to the forming — soft for deep draws, harder for flat spring parts.
Tolerances	Hold tight tolerances on a few critical features; open the rest to control tooling cost.
Finish	Specify cosmetic faces and plating early so material and tooling suit them.

How we work: P&A International is an engineering-led contract manufacturer. One dedicated engineer engineers your part, free off-tool samples are provided before mass production, and volume is produced through our vetted partner-factory network — every supplier is ISO 9000 certified or better.

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