

Machining Services RFQ Checklist

P&A International — milling, turning, drilling, grinding & finishing · www.pa-international.com.au

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

1. Part & material

- Material (aluminium, steel, stainless, brass, plastics)
- A model (STEP/IGES) and/or a drawing with key dimensions
- Tightest tolerances and any surface-finish needs
- Quantities — prototype and/or production

2. Process

- Milling, turning, drilling, boring, grinding as the part needs
- Secondary ops: tapping, knurling, deburring
- Threads, bores and critical features
- Inspection / report requirements

3. Finish & delivery

- Finish: anodise, plating, passivation, bead blast, paint
- Marking, assembly, kitting
- Target cost and call-off pattern
- Compliance: RoHS, REACH, material certs

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

Machining — Quick Reference

Process and material at a glance

Process

Process	Best for	Notes
Milling	Prismatic parts, slots, pockets, faces	Most common for general parts
Turning	Round and shaft parts	Add live tooling for milled features
Grinding	Fine finishes and very tight tolerances	For hardened or precision surfaces

Design factors

Decision	Rule of thumb
Material	Aluminium for cost/weight; steel/stainless for strength; match to the duty.
Tolerances	Call out only the critical tolerances to control cost.
Radii	Internal corners need a tool-radius; avoid sharp internal corners.
Finish	Specify Ra only where it matters; plating needs the right base material.
Volume	Share prototype and production needs so we quote the right route.

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.

P&A International · support@pa-international.com.au · +86-769-81551002 · www.pa-international.com.au · © 2026