

# Metal & Steel Fabrication RFQ Checklist

P&A International — steel & stainless fabrication, welding, machining & finishing ·  
www.pa-international.com.au

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

## 1. Part & material

- Material: mild steel, or Austenitic / Duplex / Super Duplex stainless (we can specify)
- Plate / sheet thickness (we fabricate steel to ~45 mm plate) and overall size
- A drawing, DXF/STEP model or a sample
- Quantities — one-off / prototype, or volume

## 2. Fabrication scope

- Cutting (laser / plasma / waterjet), bending, rolling, machining
- Welding process and standard; cosmetic / pressure-tight seams
- Tolerances, flatness / straightness requirements
- Heat treatment or stress relief if required

## 3. Finish & delivery

- Finish: galvanising, powder coat, paint, passivation, electropolish
- Assembly, hardware insertion, kitting and packaging
- Target cost, annual volume or call-off pattern
- Compliance / test: RoHS, REACH, weld / NDT / dimensional reports

Email this with your drawing to [support@pa-international.com.au](mailto:support@pa-international.com.au) or use the quote form on the page.

# Metal Fabrication — Quick Reference

Materials, processes and finishes at a glance

## Materials

Material	Strengths	Typical use
Mild / carbon steel	Strong, weldable, low cost	Frames, brackets, structures, enclosures
304 / 316 stainless	Corrosion resistance, hygiene	Food, marine, architectural, chemical
Duplex / Super Duplex	High strength + corrosion resistance	Demanding chemical, offshore, structural

## Process factors

Decision	Rule of thumb
Cutting	Laser for thin/medium and fine detail; plasma/waterjet for thick plate; waterjet for heat-sensitive.
Welding	Match process and filler to the alloy; specify cosmetic or pressure-tight seams up front.
Distortion	Thin stainless moves with heat — fixturing and weld sequence matter; share flatness needs.
Plate limit	We fabricate steel/stainless to roughly 45 mm plate; flag anything thicker to confirm.
Finish	Galvanise/paint for steel; passivate/electropolish for stainless cosmetic or hygiene faces.

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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