

Welding



Welding is particularly suited to repeat OEM manufacture where structural integrity, dimensional accuracy and assembly consistency are critical to long-term production performance.

Technical capability

Processes	MIG / TIG / Spot Welding
Materials	Mild steel / Stainless / Aluminium
Joint types	Fillet / Butt / Spot / Plug
Inspection	Visual and dimensional verification
Batch suitability	Prototype validation through to repeat OEM production
Typical assemblies	Brackets, frames, structural fabrications, welded sheet metal assemblies

Manufacturing considerations

- Weld procedures are standardised once approved for repeat manufacture
- Assembly sequence is reviewed to minimise distortion while supporting dimensional accuracy
- Fixtures and jigs are used where appropriate to maintain repeatable alignment
- Prototype assemblies are validated before repeat production begins
- Visual and dimensional verification supports production consistency

Design guidance

Typically selected when:

- structural integrity is crucial
- multiple components must be joined into an assembly
- dimensional accuracy must be maintained after welding
- finished assemblies proceed to downstream finishing

Consider an alternative process when:

- components can be manufactured from a single folded part
- mechanical fastening is more appropriate than permanent welded assembly
- prototype quantities do not justify welded fabrication

Information to include with your enquiry

To review your component, we typically require

- Drawing
- Material
- Quantity
- Finish
- Delivery expectations



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