



# Bending & folding

Bending and folding is particularly suited to repeat OEM manufacture where dimensional accuracy, repeatable geometry and accurate fit between mating components are critical throughout repeat, high-volume production.

## Technical capability

|                       |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| Materials             | Mild steel / Stainless / Aluminium                                                           |
| Forming processes     | Press brake / Panel bending                                                                  |
| Component suitability | Single bends through to complex multi-bend components                                        |
| Dimensional accuracy  | Dimensional accuracy is reviewed according to material, geometry and production requirements |
| Batch suitability     | Prototype validation through to repeat OEM production                                        |
| Typical components    | Cabinets, enclosures, brackets, folded panels, chassis components                            |

## Manufacturing considerations

- Flange dimensions and bend geometry are reviewed before production begins
- Bend sequences are standardised once approved for repeat manufacture
- Prototype components are validated before repeat production begins
- Forming processes are selected to support dimensional consistency
- Production programs are retained to maintain repeatability across ongoing manufacture

## Design guidance

Typically selected when:

- accurate fit and alignment are critical
- multiple bends are required within a single component
- cosmetic appearance must remain consistent
- repeat OEM production is planned

Consider an alternative process when:

- the component can be manufactured without formed geometry
- welded fabrication provides a more suitable assembly solution
- design changes are expected before geometry is finalised

## Information to include with your enquiry

To review your component, we typically require

- Drawing
- Material
- Quantity
- Finish
- Delivery expectations



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