

CNC ROUTER FILE CHECKLIST

Plywood CNC File Checklist

Use this before sending plywood, MDF or timber-panel DXF/DWG files for CNC router quoting. Cleaner files mean fewer questions around scale, internal corners, nesting, pockets and fit.



Botany NSW
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DXF / DWG

Preferred router files

1:1 mm

Real finished scale

Dogbones

Only where needed

Review

Pockets and fit-critical work

BEFORE EXPORT

- Draw at real finished size in millimetres.
- Use closed profiles for through-cuts, holes and slots.
- Remove duplicate lines, hidden geometry and construction paths.
- Convert text, logos and patterns to clean vector outlines.
- Label the material, sheet thickness and required quantity.

ROUTER-SPECIFIC CHECKS

- Allow for round router tools on internal corners.
- Add dogbone or relief details only where square-fit assembly needs them.
- Keep part spacing and sheet-edge margins sensible for holding and separation.
- Separate through-cuts, pockets, rebates, drill holes and engraving layers.
- Mark grain direction, visible face and supplied-sheet notes where relevant.

GOOD INSTANT QUOTE CANDIDATE

- Simple through-cut profiles only.
- Known plywood, MDF or timber-panel material and thickness.
- No tight-fit assembly, pocketing, rebating or face-finish uncertainty.
- Quantity and revision name included.

SEND FOR REVIEW INSTEAD

- Dogbones, slots, tabs, press-fit details or assembly tolerance questions.
- Pockets, rebates, grooves, stepped depths or mixed operations.
- Supplied sheet, visible veneer, grain matching or finish-critical faces.
- Large panels, nested sheets or unclear scale.

WHAT TO INCLUDE WITH THE FILE

Material, thickness, quantity, finished size, revision name, visible face, grain direction and any notes about how the parts fit together.

DXF / DWG

Material thickness

Quantity

Visible face

Dogbone notes

Pocket depth

Revision name

LASER CUTTING EXPERTS

CNC router, laser cutting, digital knife cutting and trade production support.

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