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Cabinet Builder and Library

Cabinet Builder with Standard Library

You can select from a list of prebuilt cabinets or create your own library. The cabinets and individual parts are all formula based, with the option to link to machining symbols for all your manufacturing needs.

By selecting a new Project then adding the cabinets or individual parts required from the popup window you are able to quickly build the order in ICB.

The next step is to optimize the cabinets and parts entered. The nesting engine module will then generate a list of layouts with all the parts optimized.

Different materials and thicknesses are optimized simultaneously.

At any time, you can go back to the Project entry screen and add to or delete parts from the order then re-optimize.

No Label Printing or G Code generating software required

Now you are one click away from sending the optimized layouts to the nesting machine, printing labels and reports all from the one screen.

Automatic Selection of Router Cutters and Feed Speeds

The correct router cutters and feed speeds are automatically selected based on the material to be machined. For example, MDF will be machined slower than HMR and 25mm material will have multiple passes at different feed rates when compared to 18mm.

Library Construction Method

- Cabinet depth is carcass only (doesn't include door thickness or bump on)
- Carcass is made out of carcass material
 - Selecting a different carcass material can also change the material thickness
- All carcass parts are edged on the front facing edge
 - Selecting a different carcass edge material can also change the edging thickness
 - The edging thickness will reduce the cut size of the part
- Adjustable shelves are set back from the front by 10mm and are 1mm smaller in width than the bottom
- Fixed shelves are the same size as the bottom
- Construction holes are 5mm diameter with pre-set maximum spacing for base, wall, tall and



back screws (connections)

- Shelf holes are 5mm in diameter, 5 holes at 32mm spacing and automatic centre row on backs over 768mm wide
- Hinges are set to Blum specifications
 - 35mm hinge sink diameter, 13mm deep
 - 8mm pin diameter, 12mm deep, 45mm centre distance, 9.5mm offset from sink centre
 - 80mm hinge distance (centre) from top and bottom of door with even spacing for additional hinges where needed
- Corner cabinets have Blum Bi-fold Cup Hinges for the Bi-Fold door
- Hinge plates are the cross type with 5mm holes at 32mm spacing
- Doors and drawer fronts are made out of front material
 - Selecting a different front material can also change the material thickness
- All doors and drawer fronts are edged on all four sides
 - Selecting a different door and drawer front edge material can also change the edging thickness
 - The edging thickness will reduce the cut size of the door or drawer front

Supplied Library Cabinets

The Standard Library within ICB contains a variety of pre-built cabinets including Base Cabinets, Drawer Cabinets, Wall Cabinets and Tall Cabinets.

Base Cabinets

- Full height back between ends (back height is equal to cabinet height)
- Bottom is shorter in depth by material thickness compared to end
- Front rail is mounted horizontally (vertically on sink cabinet) and is 80mm wide
- One (1) adjustable shelf centred in the cabinet
- Door is flush at the bottom, 2mm narrower and 3mm lower than cabinet size

Drawer Cabinets

- Full height back between ends (back height is equal to cabinet height)
- Bottom is shorter in depth by material thickness compared to end
- Front rail is mounted horizontally and is 80mm wide
- Solid drawer boxes are made of carcass material (end left/right, front/back, bottom)
- Solid drawer boxes are 25mm smaller in width than the cabinet bottom (FR runners)



- Drawer runners are FR type with 5mm holes to suit euro screws
- All vertical drawer box parts are edged on the top facing edge in carcass edging material
- Drawer front is flush at the bottom, 2mm narrower and 3mm lower than cabinet size

Wall Cabinets

- Back between ends, top and bottom (smaller by material thickness all around)
- Bottom and top are same depth as end
- Door is flush at the top and bottom, 2mm narrower than cabinet width
- One (1) adjustable shelf centred in the cabinet

Tall Cabinets

- Full height back between ends (back height is equal to cabinet height)
- Bottom and top are shorter in depth by material thickness compared to end
- One (1) fixed shelf located 720mm from the bottom of the carcass
- Five (5) adjustable shelves with one (1) centred below the fixed shelf and four (4) above the fixed shelf on a continuous row of shelf holes
- Door is flush at the top and bottom, 2mm narrower than cabinet width

Tall Corner Pantry

- Full height back between ends (back height is equal to cabinet height)
- Bottom and top are shorter in depth by material thickness compared to end
- One (1) fixed L-shape shelf located 720mm from the bottom of the carcass, 450mm deep
- Five (5) adjustable L-shape shelves with one (1) centred below the fixed shelf and four (4) above the fixed shelf on a continuous row of shelf holes, 450mm deep
- Door is flush at the top and bottom, 2mm narrower than cabinet width

Tall Drawer Pantry

- Full height back between ends (back height is equal to cabinet height)
- Bottom and top are shorter in depth by material thickness compared to end
- One (1) fixed shelf located 720mm from the bottom of the carcass
- Four (4) adjustable shelves in the top section on a continuous row of shelf holes
- 1 + 2 drawer combination with a 100mm high top solid drawer box and 160mm high bottom solid drawer boxes
- Doors and drawer fronts are flush at the top and bottom, 2mm narrower than cabinet width



/ Cabinet Builder and Library

/ Supplied Library Cabinets

Open Cabinets

- Carcase is made out of door material
- All carcase parts are edged on the front facing edge in door edging material

Under Bench Oven

- Back rail back between ends
- Bottom is shorter in depth by material thickness compared to end and has a rectangular cut-out for ventilation
- Front rail is mounted vertically
- Facia is 160mm high to be cut to required size(s), 2mm narrower than cabinet size

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