SWOOD

Design Booster & Machining In SolidWorks

EFICAD

SWOOD
DESIGN

SWOOD Design makes it easy to create projects with a range of specific functions dedicated to wood and panel sectors.
Design your furniture simply by drag-and-drop.

Cabinet

To start your cabinet project, copy a frame from your library and fill it dragging SWOODBoxes and Connectors features.

SWOODBox

SwoodBox is an assembly adaptable to an including box area. It allows to create a multitude of design scenarios, easily editable once inserted in the defined zone.
Fill your furniture with elements (doors, drawers, shelves, ...), including hardware and machining of adjacent parts.

Connectors

Connectors allow to assembly panels and piece of wood with traditional (mortise & tenon) or mechanical (swivel pins, cams) types of joint.
Create your insertion rules and apply by drag-and-drop.

Layout

Insert your cabinet and link its dimensions to a layout sketch.

Miscellaneous

• Edgebanding Management.
• Moulding positioning.
• Parametric panel library.
• Material library including decor or grain direction.

Design Booster for panel and wood sectors in SolidWorks

SWOOD CAM

SWOOD Cam manages all numerical controlled machines including all wood-working specifics technologies.
Create your programs and production documents directly into SolidWorks with full associativity.

Ergonomy

- Manufacturing treeview in Feature Manager
- Tools, Agregates and Machining Macros libraries in Task Pane
- Insert library items by drag-and-drop
- Machining simulation in SolidWorks view including machine environment
- Panel and worktable devices positionning in SolidWorks view

Technology

- Multiple spindles, multiple drilling aggregate and horizontal spindle
- Multiple head
- Integration of chip suction and deflector management
- Automatic modulation of feed speed according to grain direction
- Blocked on flat table or with consoles and suction cups
- Positioning by laser
- Multiple positioning
- Automatic worktable management
- Woodworking specific operations: grooving, sawing, mortising, tenoning
- Optional component nesting

Encoding

- Lot of NC machines already managed thanks to customisable machine code

- Time files exported
- Batch encoding and exports on full project
- Customized production documents generated (Cut list, Hardware list, Labels, ...)

Associativity

- Full associativity between SolidWorks geometric entities and machining
- Additionnal machining rules defined using configuration, custom properties and features status.
- Automatic and optimised drilling with drilling aggregate

Machining and producing for panel and wood sectors in SolidWorks

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