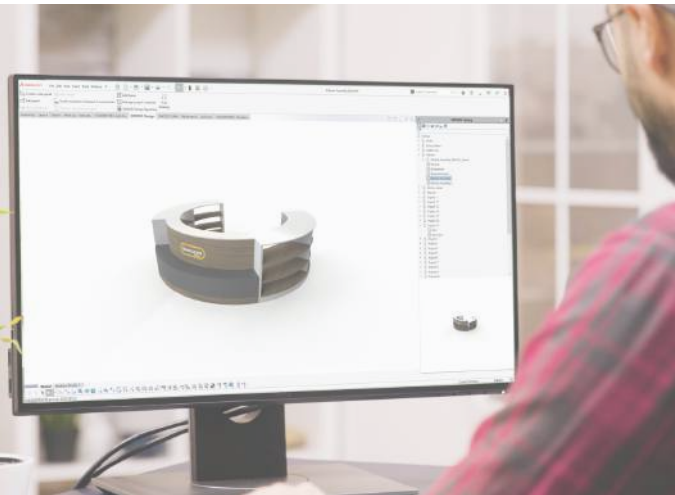


# Discover SWOOD

From design to manufacturing, SWOOD is an all-in-one solution which lets you create, manage, set, and organize various furniture or woodworking projects.



## SWOOD Design



3D parametric design



Adaptive hardware libraries



Materials management



Edgebands



Connectors



Reporting

## SWOOD CAM



CNC machines control from 3 to 5 axis



Automatic and detailed production data



Woodworking dedicated tool library



CNC programs generation



Trajectories simulation



Automatic machining



## SWOOD CAM Nesting



Automatic nesting



Several optimization strategies



Optimization on multiple projects



Specific reporting capabilities

## SWOOD Center



Production automation: standard or bespoke production



Integration with your company's data (ERP)



Communication along your digital chain



## SWOOD BW



Beam & Wall production



Automatic machine export



BTL, BVX languages



SWOOD Design deals with the efficiency of the design process.  
It allows the quick and easy design of your projects  
within a parametric 3D environment.

## FEATURES

### Libraries



Ready to use components  
Entirely customizable and editable  
Adapts to your needs

### Connectors



Well-known hardware suppliers  
(LAMELLO, BLUM, GRASS, HETTICH, etc.)  
Parametric rules definition  
Hardware and machining insertion  
Easy visualization and insertion on contact surfaces

### Frame



Parametric cabinet  
Quick and easy creation (panel insertion)  
Cabinet template  
Compatible with SOLIDWORKS features  
(sheet metal, weldment, etc.)

### Material



Solid Wood  
Panel  
Laminate  
Multi-layer

Finishing  
Grain direction  
Multi-material

### SWOODBox



Adaptive in context model (front, hinges, etc.)  
Hardware components insertion  
Machining on surrounding panels

### Profiling



Door handle  
Windows, doors profiling

### Panel



Simple panel  
Multibody stock panel  
Curved panel

### Panel manager



Allows to adapt many 3D CAD formats to  
SWOOD standards  
Automatic panel orientation  
Multibody

### Edgeband



Rounded  
Chamfered  
Mitre cut

Special shape  
Edgeband with grooves

### Report



Automatic creation of documents  
(HTML, EXCEL, JSON, etc.)  
Saw cut export (CSV, XML)  
Panel list  
Hardware list

Program list  
Labelling  
Costing information  
Custom documents  
and data export

## FREEDOM OF DESIGN

- Bathroom
- Kitchen
- Shopfitting
- Vehicle interior
- Yacht interior
- Flight case
- Office furniture
- Storage
- Joinery
- Bed
- Sofa
- And more!

SWOOD CAM deals with CNC machines and their specific technology.  
It allows to link your design with your woodworking CNC machines.

## FEATURES

### Technology



Automatic shape recognition  
Up to 5 axes as standard  
Multi-head machines

Modulation of feedrate based on grain direction  
Compatible with many CAD formats  
Several machine languages at the same time

### Positioning management



Motorized rails and suction cups  
Motorized clamping system

Laser projection  
Multiple parts machining

### Woodworking tool



Specific aggregate  
Horizontal spindle

Drilling blocks  
Profiling tool

### Machining



Drilling  
Contouring  
Pocketing  
Grooving

Sawing  
Specific hardware machining (Clamex, etc.)  
Positioned 5 axis  
Continuous 5 axis

### Simulation



Program simulation with material removal  
Model comparison feature  
Collision detection

### CNC Machines



All machine brands up to 5 axis:  
HOMAG, BIESSE, SCM, FELDER,  
MASTERWOOD, HOLZHER, etc.

Interfaces:  
WoodWOP, bSolid, BiesseWorks, MAESTRO, XILOG, TPA,  
NC-HOPS, G-Codes (SIEMENS, OSAI, FANUC, NUM, etc.)

### Nesting



Automatic nesting  
Multi-projects

Group assembly  
Specific reports