

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



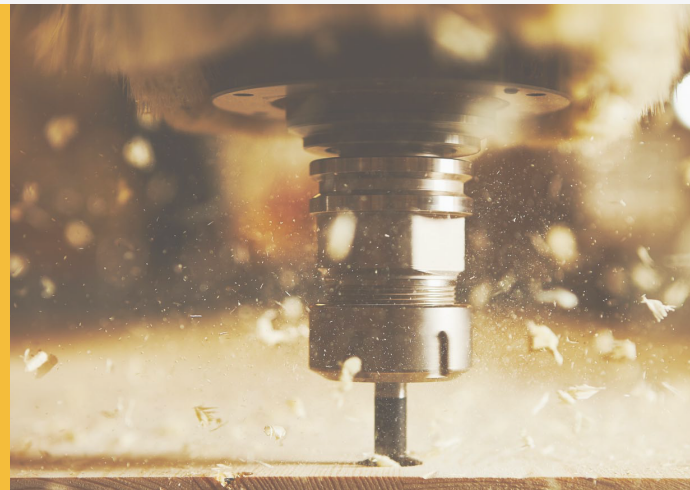
CNC programs generation



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