

smapSwood Expert

The application dedicated to Woods crafts for CAD solution Solid Edge

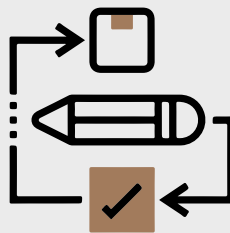
SmapSwood Expert is the essential toolbox for all Solid Edge users looking for a specific application for the wood manufacturing.

In the same solution, access to **essential functionalities** to design your projects in the field of furniture and wood by covering all your study flows.

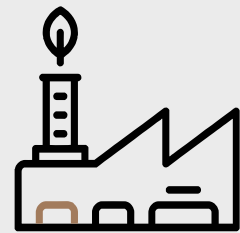
smapSwood Expert will become **your indispensable companion** for the realization of your studies in Solid Edge : from the design, through the automation of hardware positioning, to the management of your bills of material (BOM), up to the realization of your manufacturing plans, edge banding, grain direction and data files export for your machining centers.



Conception/
Design



Modification



Manufacturing/
Export



Conception/Design

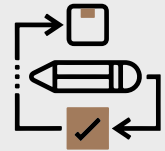
1. Wood drawing tool

- Panels, textures, composite materials
- Duplication management
- Grain direction, sketch

2. Adaptive assembly

- Sketch of a box in a dedicated space
- Adaptive and scalable assemblies
- Pathfinder smapSwood Expert

Modification

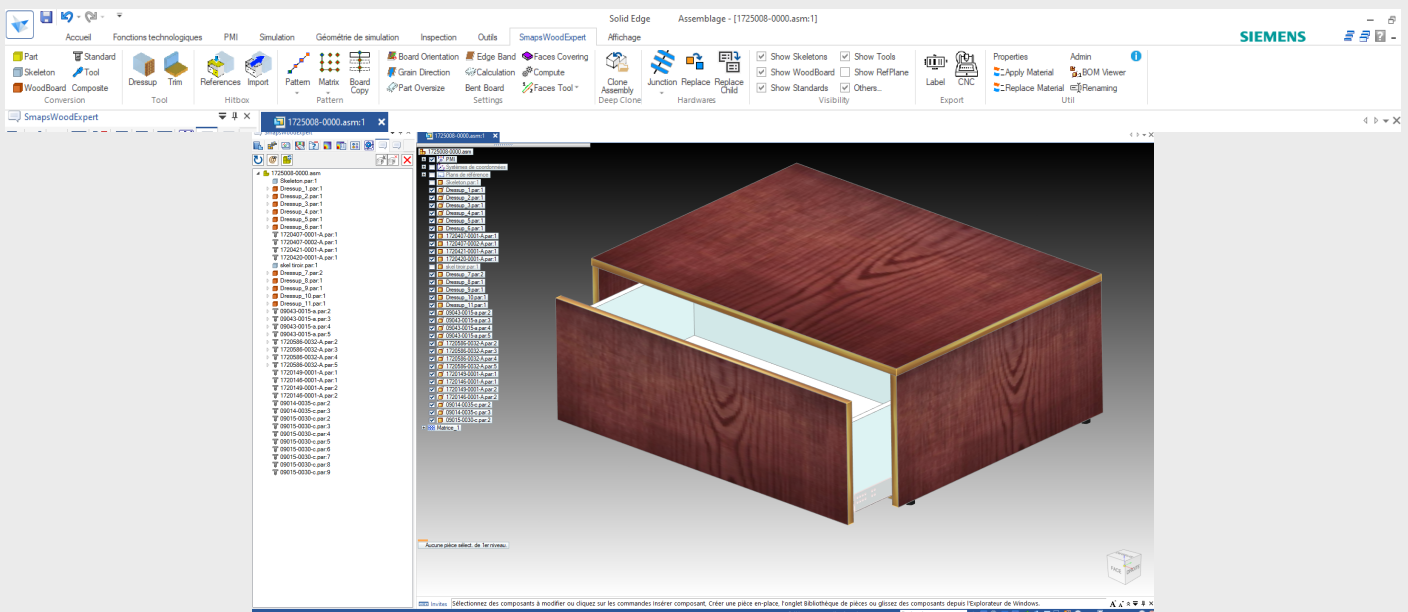


3. Libraries

- Libraries of :
 - Materials, textures
 - Hardware
 - Skeleton
- Libraries of purchased parts...
- Model Assemblies

4. Parameters management

- Joins, Patterns, Smart Patterns (predefined repetition, quantity, interval, offset)
- Hardware elements :
 - With associated machining in addition or removal
 - Bulk replacement



Manufacturing(Methods)



5. BOM reports

- Display with properties
- Possible action on the BOM
- Grouping or flat collapse
- Considering ERP codes
- Combination of manufacturing BOM table
- Export in Excel - XML format

6. Manufacturing plan

- Grain direction
- Edge banding (information)
- Material and texture management
- Combination of BOM's (Manufacturing table)



Manufacturing(Production)

7. Manufacturing

- Generation of labels (Display dimensions, edge banding, codes and barcodes for ERP).
- CNC Export (Information such as part lists, metadata, operations to be carried out, taking into account the machine park, gluing machine, face management, ect.)

8. Programming API

- Access to all the functions of the module
- .Net language
- Organized in classes corresponding to the functions of the module

Label Generation

Options

Label size (X): 400 px Border size: 30 px Previewed document: AmTest2022_0001.par
 Label size (Y): 300 px

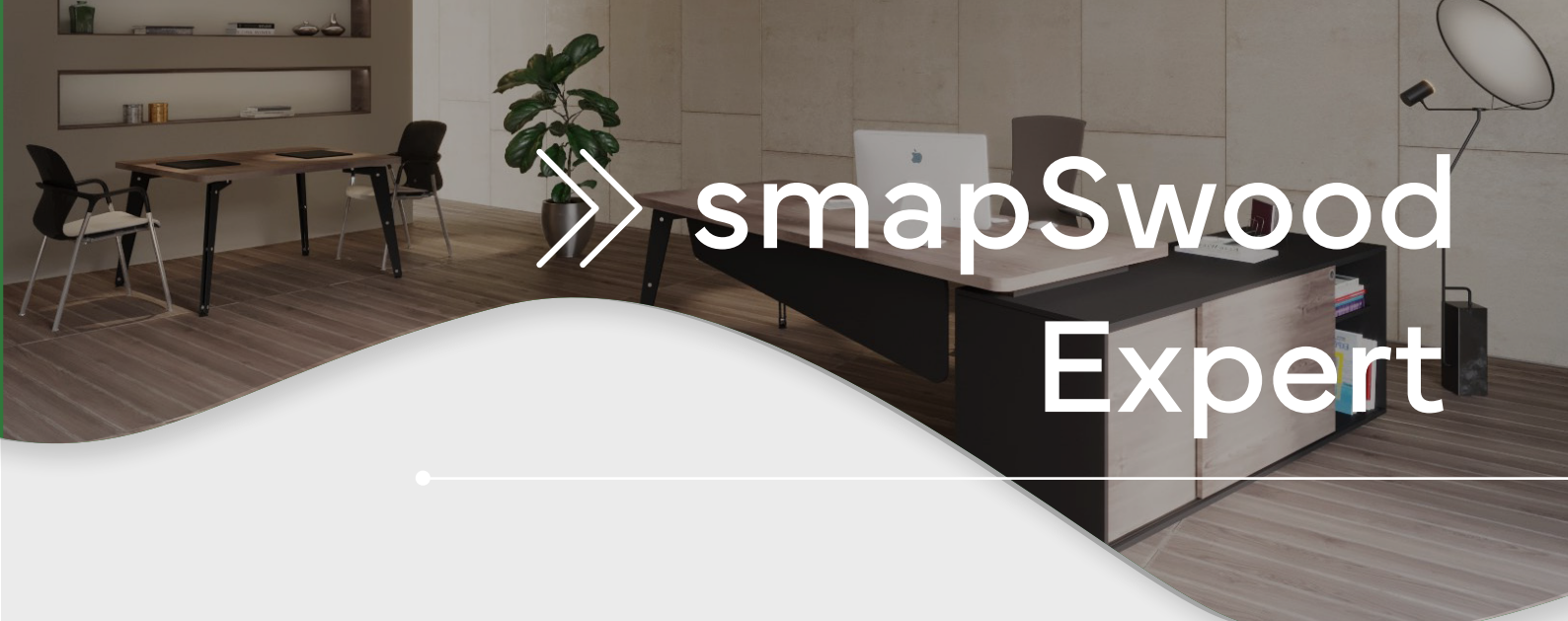
Slot	Location	Prefix	Text Key	Text	Font	BarCodeType	BarCode Key	BarCode
Top		H=	{FileCustom.H}	178,71 mm	Microsof...			
Left		L=	{FileCustom.L}	193,87 mm	Microsof...			
Inner	90, 70		{FileCustom.smapSWoodExpert_Type} - {File.Número de d...	WoodBoard - 12...	Microsof...	UPCA		
Inner	50, 100				Microsof...	UPCA	{File.Número de ...	123456789012
Bottom			{FileCustom.MaterialEdgeBand} ({FileCustom.TextureEdgeB...	EDGE-1543 (W...	Microsof...			
Right			{FileCustom.c.L1}	EDGE-1543	Microsof...			

Slot: Inner
 Location: X 90 px Y 70 px
 Prefix:
 Text: {FileCustom.smapSWood} WoodBoard - 123456789012
 Font: {Font: Name=Microsoft Sans
 BarCodeType: UPCA
 BarCode Value:
 BarCode Size: X 600 px Y 430 px

H=178,71 mm
 L=193,87 mm
 EDGE-1543
 EDGE-1543 (WD1)

WoodBoard - 123456789012
 123456789012

Generate All Labels (1) Close



smapSwood Expert

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