

BILL OF MATERIAL AND MECHANIZATIONS IN TEOWIN

The automatic generation of the **bill of material and the mechanizations in TEOWIN** has been developed and enhanced after profound studies of the different ways of manufacturing at customer sites.

In other words the research and develop dept. From SIMSA has, and will, maintain, stretched relationships with these manufacturers. In our view this is the only way through which we can develop and adapt to new market developments and make sure our customers are working with a state of the art tool to solve their issues.

Throughout the world there are many sites where TEOWIN has been implemented and because of its characteristics TEOWIN can easily be configured to any manufacturing method.

In this next overview we will show how TEOWIN processes the various elements that form part of the bill of material and the mechanizations in dressings:

- **Structure of the catalogue**

- ♦ Easily definable TREE structure for the catalogue.
- ♦ Definition of Models associated to multiple colors, materials and types of doors.
- ♦ Definition of asociated articles, or not, to a 3D design and/or a specific bill of material

- **Characteristics of the bill of material**

- ♦ Furniture design through a specialized 3D editor.

- ♦ Automatic formula generation where user is able to modify and edit the formula
- ♦ Automatic recalculation of the B.O.M. based on the modifications in the 3D design.
- ♦ Personalized configuration of the editor:
 - User definable sets of questions about elements that will finally configure and need to be part, of the bill of material
 - Select multiple ways of manufacturing during the design of the furniture
 - Automatic processing of changes in measurements, families of furniture...etc
 -

Software developed by SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- Cupboards

- ♦ Definition of the cupboards will take into account:
 - The definition of the base of the cupboard
 - Characteristics of the construction of the dressing like there are for instance: Back interior to top, back interior to base, side interior to top etc.
 - And the type of cupboard one wishes to realize (base, superior, columns, on worktop, front end with corners, curved and in Z....
 -

DESPIECES Y MECANIZACIONES DE TEOWIN

- ♦ Auto adjust measurements of the pieces that form part of the dressing at the following levels:
 - Bill of material
 - Mechanizations

- Interiors

- ♦ Elements that you can insert into free spaces of the object:
 - Simple and multiple shelves
 - Fixed front drawers
 - Drawers of any model (same as model of object or different)
 - Accessories: Bars, wastebaskets, sliding baskets etc....
 - User definable configurations of the previously mentioned elements.
- ♦ Automatic insertion of the interior elements into the free spaces.
- ♦ User definable characteristics: Position, measurements, material
- ♦ In case of change in the design TEOWIN will automatically recalculate the previously entered mechanizations

- Doors

- ♦ Definition of doors as independent elements of the dressing.
- ♦ Connection between the dressing and the door through a specific bill of material for this article
- ♦ A door as an article is defined by the following pieces:
 - B.O.M of the door (Panels, lists, center pieces ...etc)
 - The hinges
 - Screws
 - Kit / Glues
 - ...Etc
- ♦ User definable opening door type:
 - Standard: Specifying if they are doubles, individual right or individual left
 - Sliding doors: Specifying the numbers of doors and their distribution on the rails/Gliders
 - Folding doors: Specifying the number o doors, how they are grouped together and where the openings will be placed
- ♦ User definable characteristics of the doors at the following levels:

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- Spaces
- Discounts in case of dividers or overlaps
- ♦ User definable characteristics of the door at following levels:
 - Models
 - Panels that form part of the door (Panels in a different color, showcases)
 - Strip with automatic recalculation of the associated pieces
- **Hinges**
 - ♦ Definition of the relation between the hinges and the doors
 - Associating the hinges in the article of the door will allow you to parameterize the position and the number of locks.
 - Associate the locks to the type of door. Definition of number and type of locks
 - Configure the options of the furniture editor: Define the position, number and type of locks.

- **Handles**

- ♦ User definable configuration and modification of the handle characteristics
 - Orientation
 - Position
 - Fixed or variable measurement

- **Additional B.O.M:**

- ♦ Configuration of the article to include everything that cannot be represented in 3D and are needed to manufacture the furniture, like for instance:
 - Glue
 - Hinges
 - Labor (This in case you do not have our production control module)
 - Etc.

- **Special treatments**

- ♦ B.O.M. Definable for panels (raw material) at the following levels:

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- Base material: Multiplex, mdf
- Sides
- Colored panels
- Bicolor panel (Panel with different colors on each side)

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- **Cuts**
 - ♦ Automatic generation of cuts in the 3d editor:
 - Furniture adjacent to column
 - Furniture adjacent to beam

- **Special cupboards**
 - ♦ Automatic generation of special dressing like for instance:
 - Dressings in L
 - Front end modules in corners
 - Pentagonal based dressings
 - ...Etc

- **Listings**
 - ♦ The system generates a series of lists completely user definable:
 - Detailed bill of material
 - Pieces and measurements
 - Material
 - Sides

- Special pieces as there are: Pieces that need to be cut to make certain angles etc.
- Hinges
- Handles

- **How TEOWIN handles linear elements**
 - ♦ Definition of special articles for kitchen projects
 - Plinths or legs
 - Worktop addition

 - Crown list
 - Tube hidere
 - Light caps
 - ♦ Automatic insertion of these elements in your project design.
 - ♦ Easy configuration and modification
 - ♦ Optimization of materials for linear elements

- **Worktops**
 - ♦ Automatic insertion of worktops into the project.
 - ♦ Easily definable characteristics of the worktop:

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- Material
- Sides or profiles
- Cuts
- Cuts for sink and cookers
- Special cuts for columns
- ♦ Automatic spot measurements for the various pieces of the worktop
 - Measurements of worktop total
 - Measurements of all pieces that form worktop
 - Measurements of the insertion cuts|: sinks, cookers, columns
- ♦ Manual definition of any other needed spot measurement
- ♦ Value worktop by linear meters or square meters
- ♦ Definition of added worktops (tables) with measurements
- ♦ Generation of worktop drawings with spot measurements
- ♦ Technical representation of sinks and cookers inserted like DXF files, including precise cuts and inside measurements

- Mechanizations

- ♦ Insertion of mechanizations by:
 - Intermediates
 - Finished product
- ♦ Types of mechanizations:
 - Drill
 - Zippers
 - Arches
 - Cuts
 - Channel
 - Special mechanizations: Hinges and handles
- ♦ User definable spot measurements: diametrical and linear
- ♦ Manage your mechanization programs (add, delete, modify and consult)
- ♦ Characteristics of the mechanization program management:
 - Visualize the mechanization program applied to the object in exact measurements
 - Program language that includes: Creation of variables, conditioned instruction sets, import from other mechanization programs
- ♦ Automatic insertion of the mechanization of the handle

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com

DESPIECES Y MECANIZACIONES DE TEOWIN

- ♦ Automatic transfer of mechanizations that affect various pieces:
 - Drilling between sides that are grouped together by the B.O.M.
 - Hinges in front and side parts
- ♦ Generation of an exportable DXF file to AutoCAD or Cam applications for each mechanized piece
- ♦ Generation of the mechanization drawing for each piece in DXF
- ♦ Plan metrics: Mounting of the various mechanizations of a piece of furniture in one detailed plan: Spot measurements and on scale.

Software desarrollado por la empresa SIMSA
email: comercial@teowin.com
web: www.teowin.com