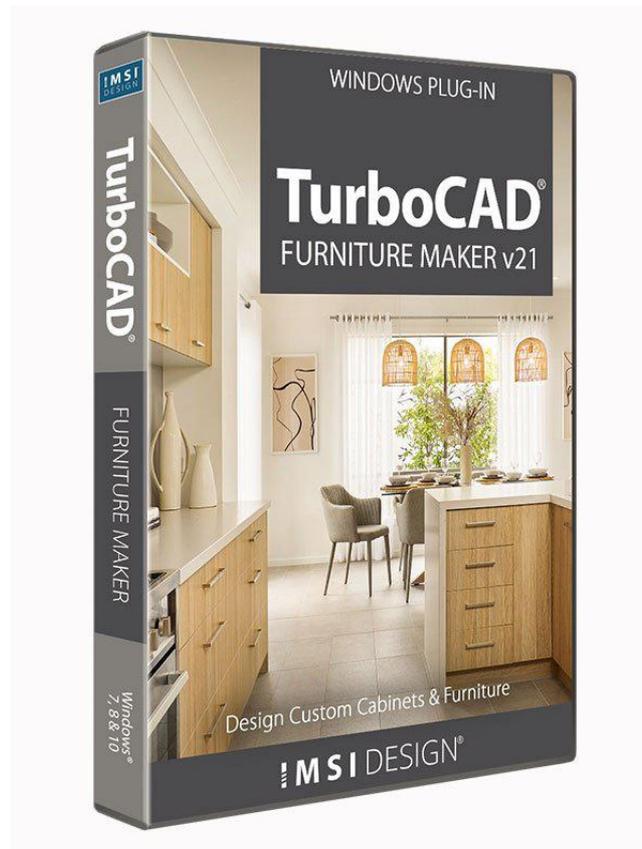


# TurboCAD

Africa

## TurboCAD Furniture Maker v21

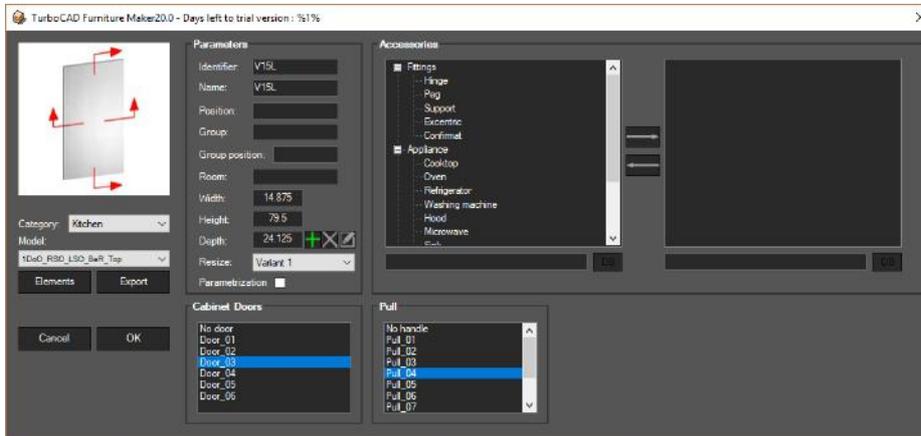
for TurboCAD 2020 Platinum, Professional and Deluxe 2020



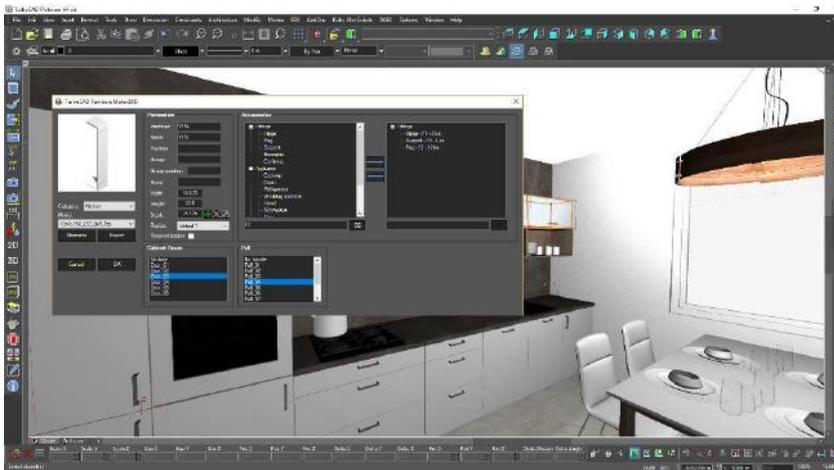
# What's new in TurboCAD Furniture Maker v21

## DAEX-Generator:

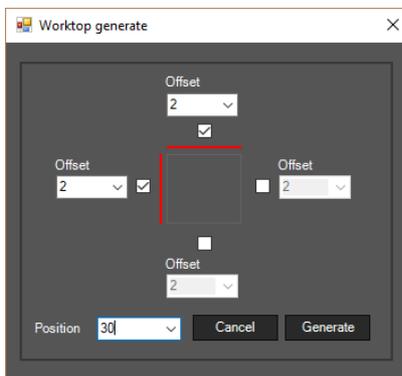
- New UI design and dark mode of TCFM.



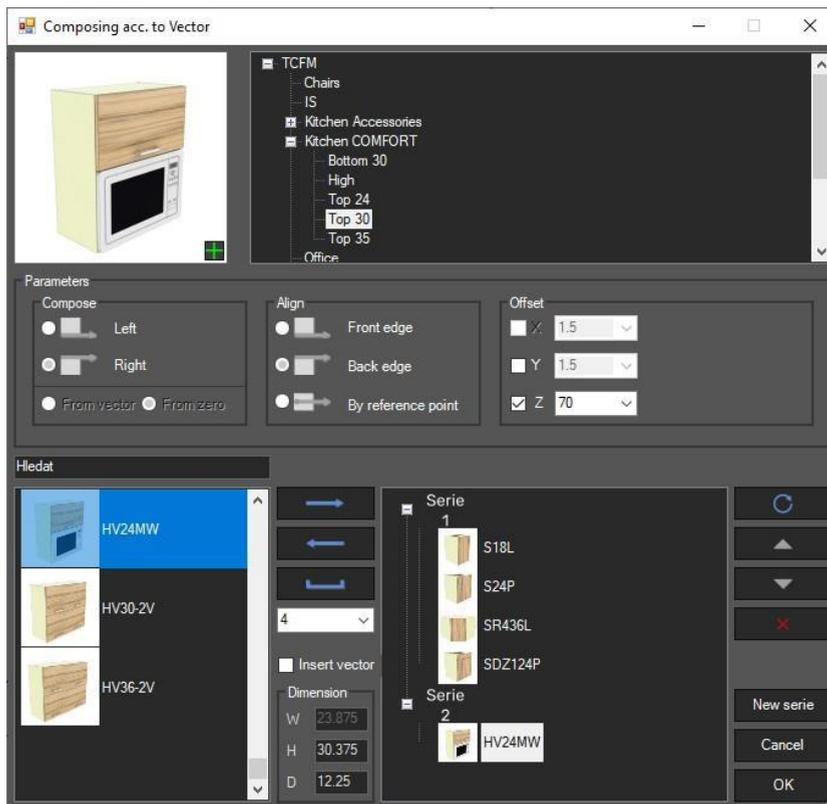
- TCFM tools enabled for you to use in Suppress Hidden Lines render mode and perspective view.



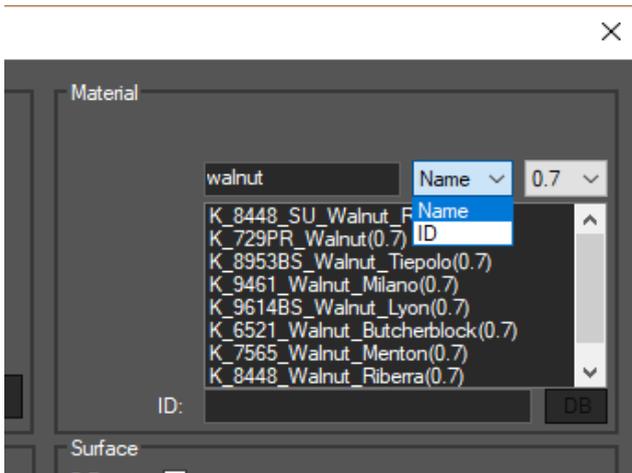
- You no longer must draw the line to generate a worktop. Simply select cabinets and click Generate to create a worktop.



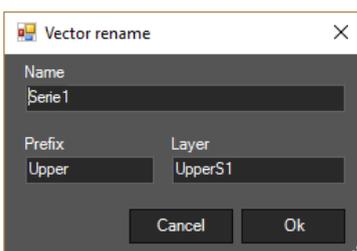
- The list of cabinets is now viewable in a thumbnail format, allowing you to quickly find the one you need to use!



- Select whether you want to search desired material by ID or Name.



- Want to go back to Composing according vector dialog and apply functions on already inserted cabinets? Go for it, version 21 makes it possible!



- In version 21, you will find a current range of wood product textures from Egger and Kronospan.

## DAEX-CUT:

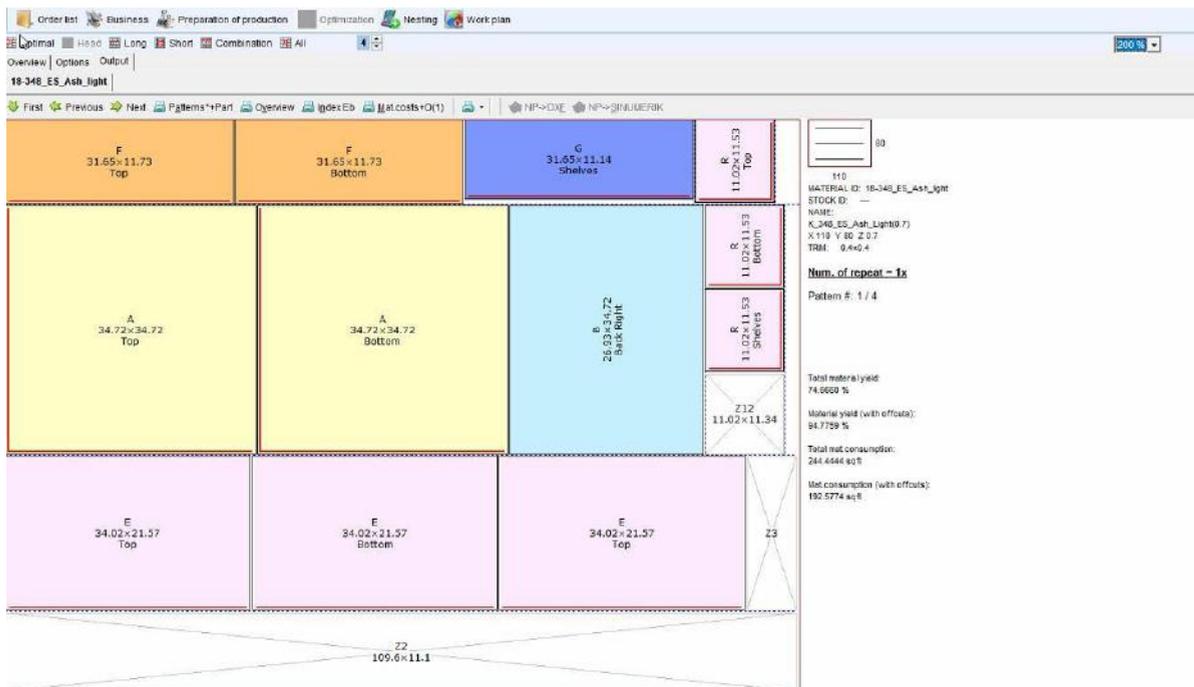
- Materials are now ranked according their type (square, length, or piece material) in the Materials table and the Operations listed in order.

Type	ID	Name
	18-1700_Steel_grey	K_1700 Steel grey(0.7)
	18-348_ES_Ash_light	K_348_ES_Ash_Light(0.7)
	5-348_ES_Ash_Light	K_348_ES_Ash_Light(0.2)
	42-18-1111	chrome(0.08)
	ABS-K_348_ES_Ash_Light(2)	ABS-K_348_ES_Ash_Light(0.08)
	7KG15484	Oven-7KG15484

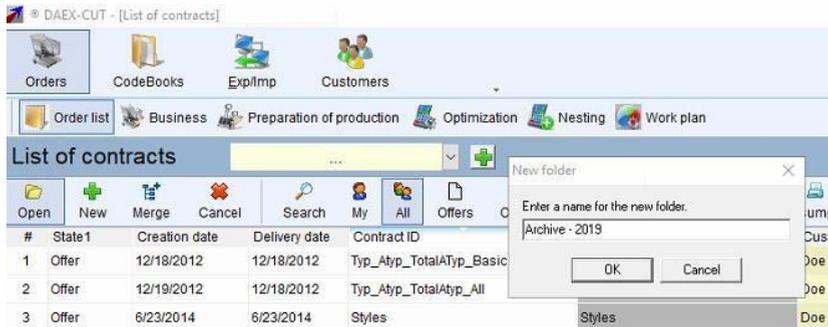
- In the Material and Operations table, materials are highlighted in the currently selected part of the Tree below.

#	Tree	T.	T.	Sub.	Position	Group	Ope-	Color	Atp	Origin	ID	Name	X	Y	Z	Pcs	MatID	MatName
1	S1									SR990P	SR990P		35.43	35.43	28.35	1		
2	S1_p1				SQ					LS1	Left Side		28.35	21.65	0.71	1	18-348_ES_Ash_light	K_348_ES_Ash_Light(0.7)
3	S1_p2				SQ					RS1	Right Side		28.35	21.65	0.71	1	18-348_ES_Ash_light	K_348_ES_Ash_Light(0.7)
4	S1_p3				SQ					BL2	Back Left		26.93	34.02	0.71	1	18-348_ES_Ash_light	K_348_ES_Ash_Light(0.7)

- Window layouts are now saved automatically in version 21. You can drag the columns in the order you want to have them displayed, and have them set this way the next time you open program.
- You can enlarge or reduce the preview size of the Cutting Plan.



- Now you can go back to the time backup of the order. After every saving of the order its backup is created.
- There is a new column "Order" in the Optimization tab – you can now see to which Order the part belongs.
- From the top menu bar you always see the Order ID in the Optimization window.



- The process of Adding files to file Archives is now much easier to do.
- You can move the Order to the desired file directly in the tab Order list.
- You can make visible only those columns that you need to use in the List of Columns.
- The order of the columns can be changed by arrows at the bottom of the box.



- The list of Materials by Suppliers now includes their logos.

Materials by supplier

ORDER: Sample\_kitchen\_02  
 ACTION: Doe  
 TERM: 12/11/2012  
 PREPARED BY:

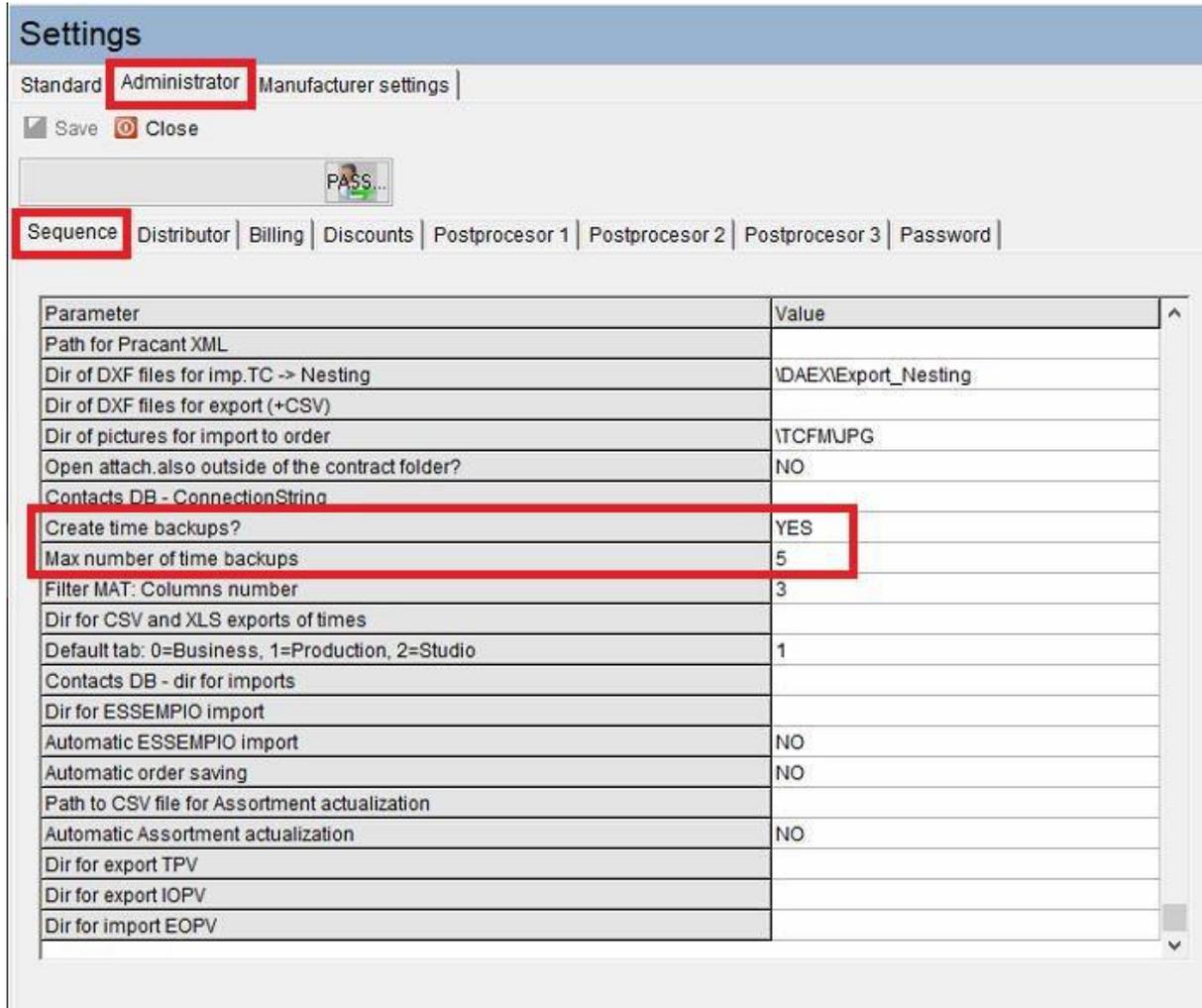
ID	NAME	AMT	MU	Price/MU
25700	ST CLIP 110*	18.000	pcs	\$0.16
Total w/o VAT:				\$2.88
54964874576	Confirmat	148.000	pcs	\$0.02
Total w/o VAT:				\$2.96
ABS-K_348_ES_Ash_Light(2)_18-348_ES_Abs	ABS-K_348_ES_Ash_Light(0.08)	190.650	R	\$0.18
18-348_ES_Ash_Light	K_348_ES_Ash_Light(0.7)	244.843	sqft	\$1.06
5-348_ES_Ash_Light	K_348_ES_Ash_Light(0.2)	56.090	sqft	\$0.91
Total w/o VAT:				\$344.89
<b>Material w/o VAT - total :</b>				<b>\$350.73</b>

# What's new in TurboCAD Furniture Maker v20

## DAEX-CUT

### New:

- Time Backups  
Each time you save the order its backup is created market with time stamp. It is possible to go back to these backups.



- There is an easier way of assigning particular material items or operations to elements
- There is an option to define the room for placing theset
- There is new option now to export Cutting Plan -> DXF
- There is new option now to export Cutting Plan -> Sinumerik
- There is a new column „Last edited order“

### Enhancements:

- Well-arranged design of assortment
- There are advanced settings for edge subtraction according to type of Edge Banding Machine technology („premillling“)
- Optimization – output overview of cutting plans in bookmarks
- Enhanced function of combined format.
- Other general adjustments.

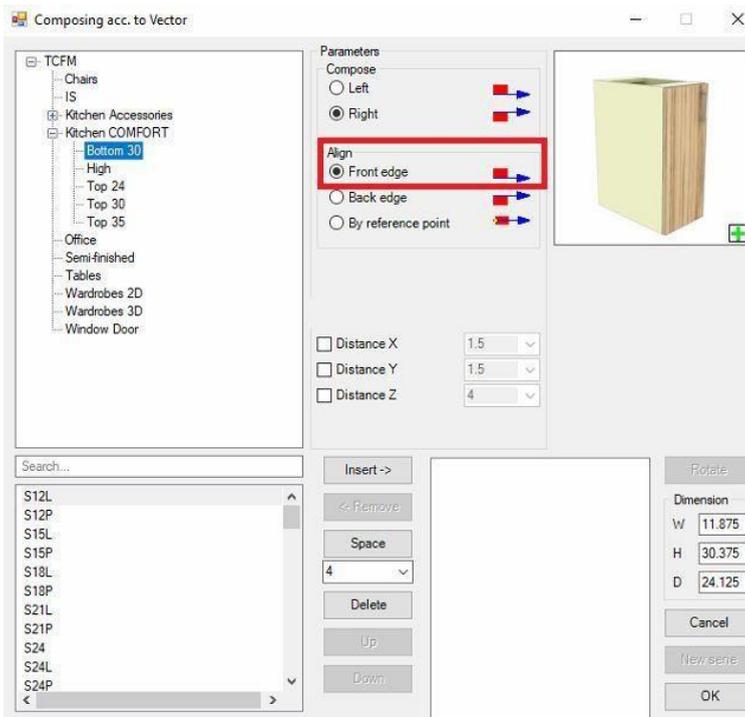
## DAEX-Generator

### New:

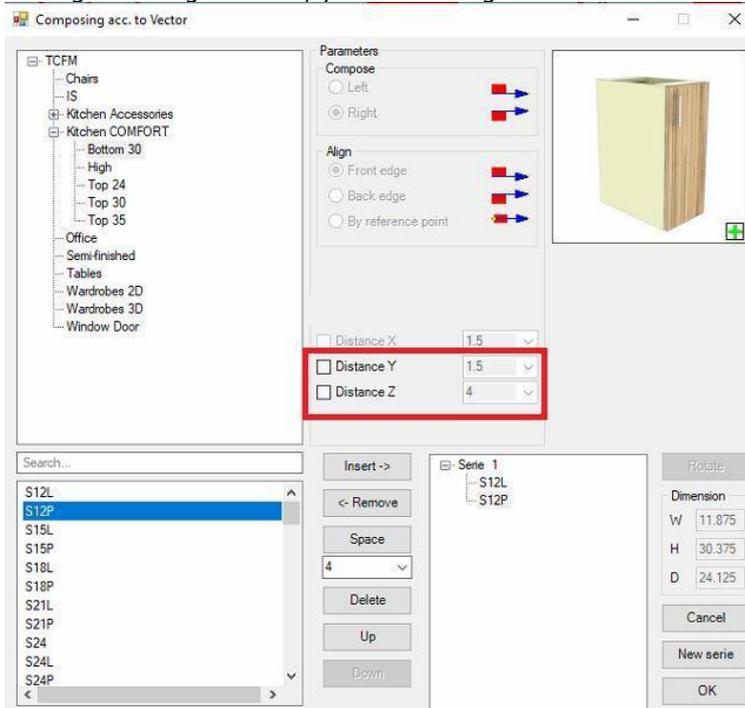
- The icons has a new design:



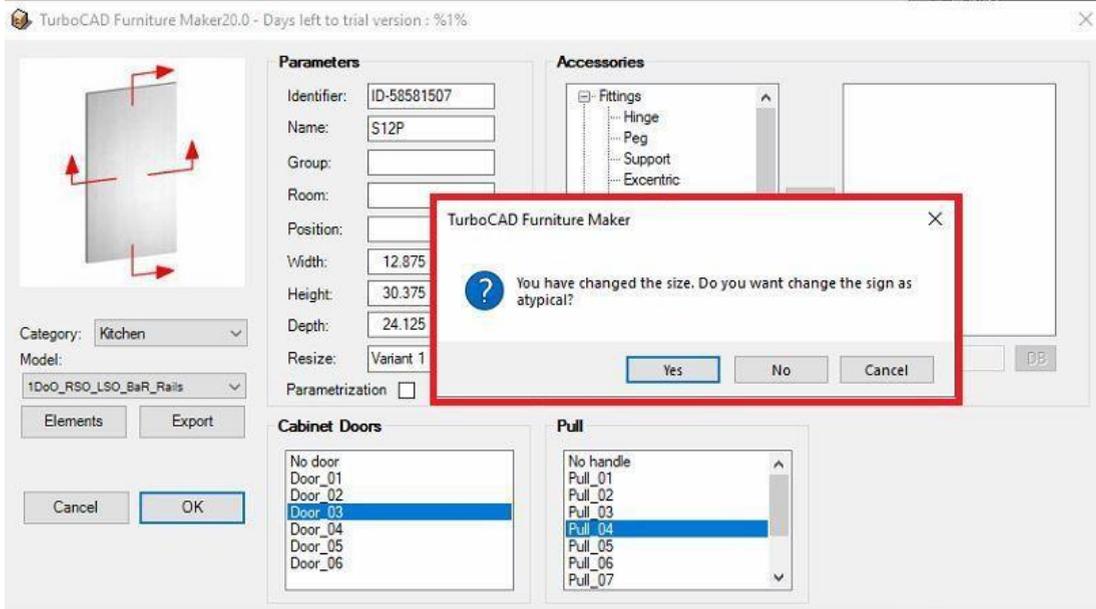
- Composing according to vector:
  - There is a new option to insert the sets aligned to front edge. This is useful when the cabinets have different depths.



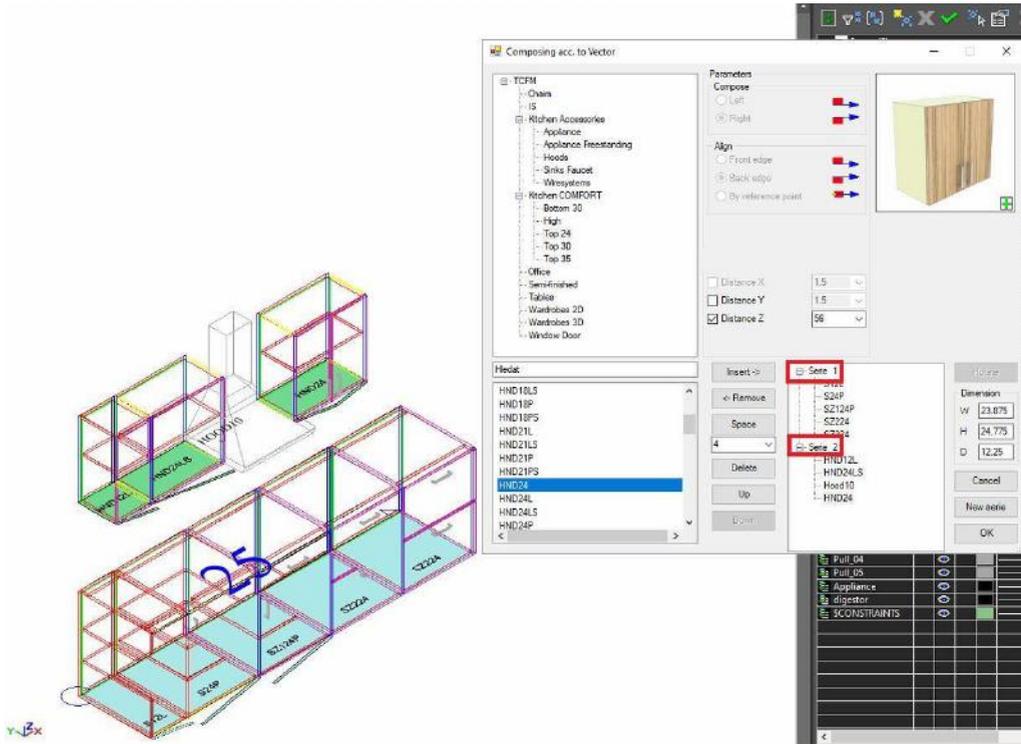
- During inserting the sets, you can change the distant Y and Z.



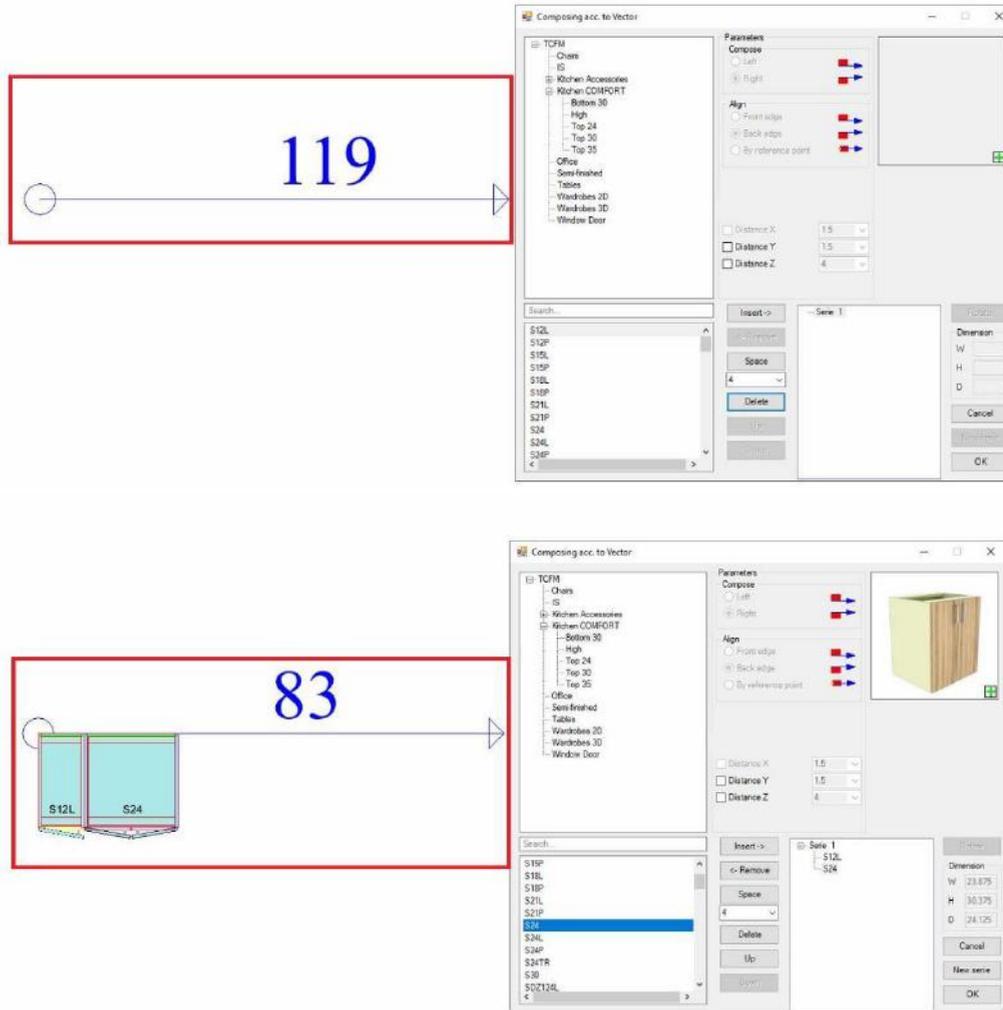
- There is an option to mark the set as ATYP when modifying its dimensions.



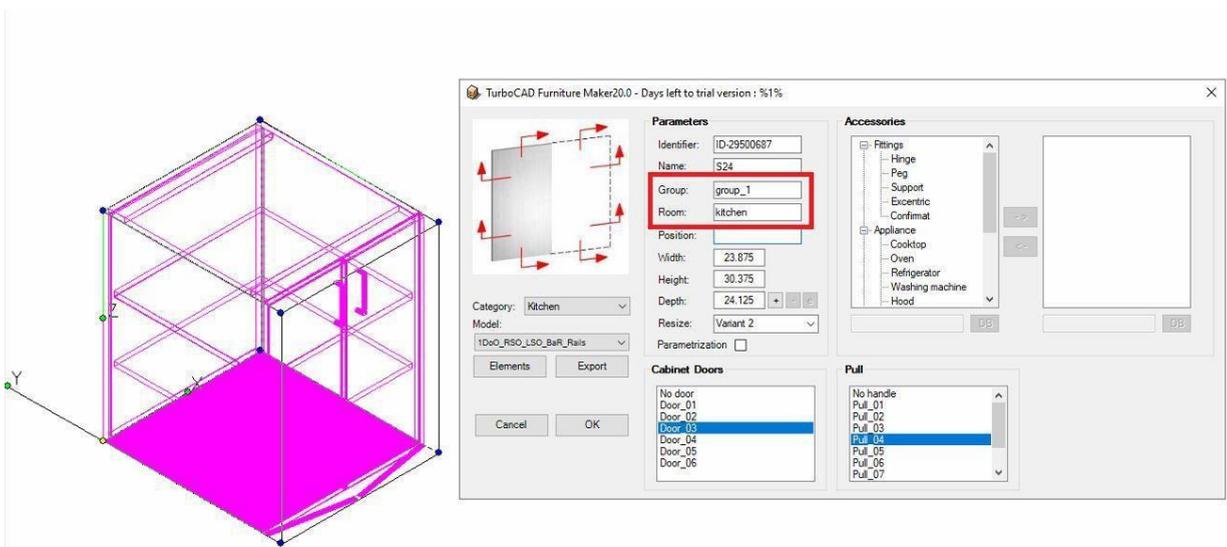
- Visible content of all inserted sets that are editable.



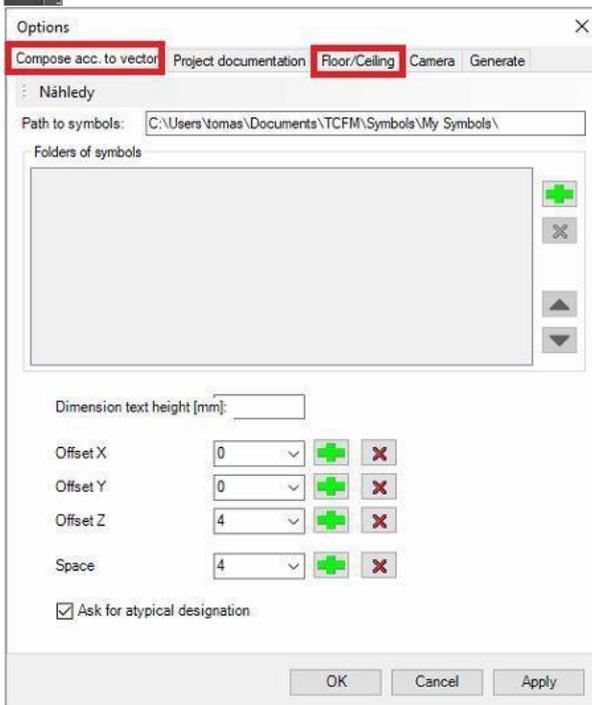
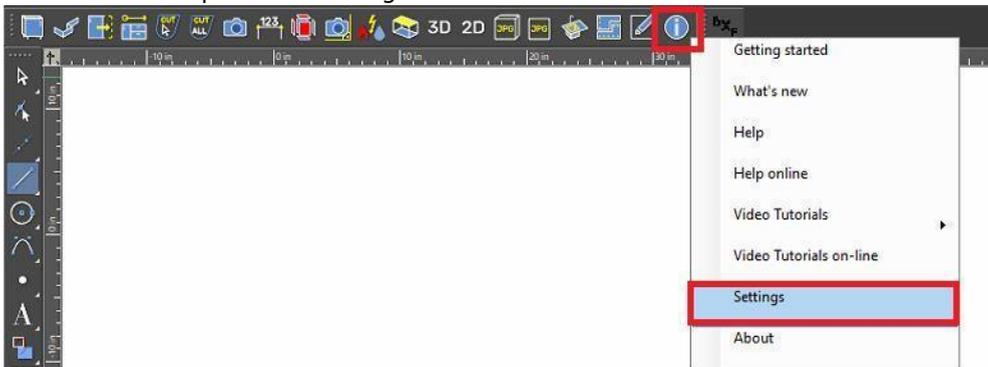
- Dynamic dimension of vector length.



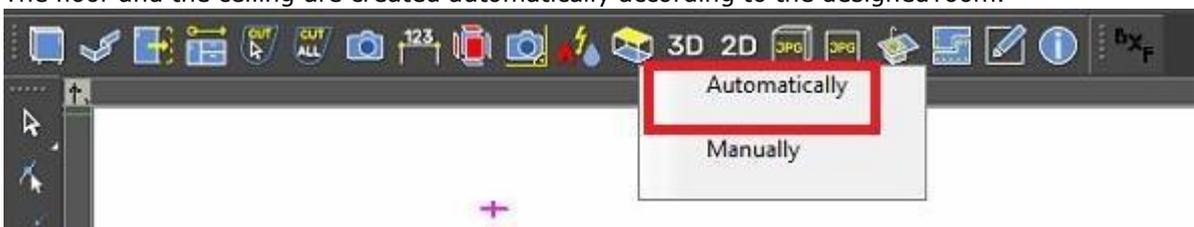
- The user has an information about the exact space left for the next cabinet.
- Group definition just for one set and room definition for the set.



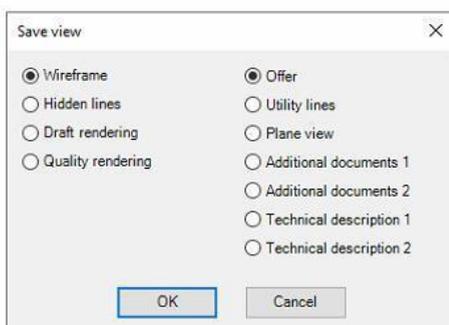
- There is an option to resize the dialog box of Elements and Composing acc. vector.
- There are new options in Setting.



- For example, now it is possible to preset the distances for inserted symbols.
- Enhanced export for generating data of the set.
- Data are automatically exported into the file in which the symbol is saved.
- The floor and the ceiling are created automatically according to the designed room.



- Simplified creation of hole into the worktop.
- JPG export – there is an option of the print set to choose which visualization will be inserted.

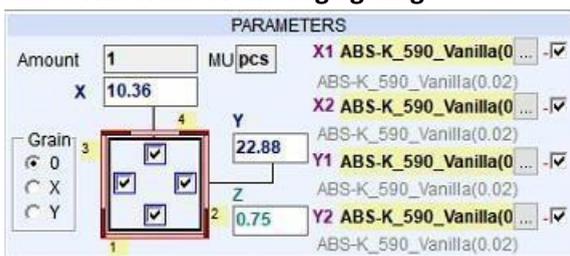


# What's new in TurboCAD Furniture Maker v21

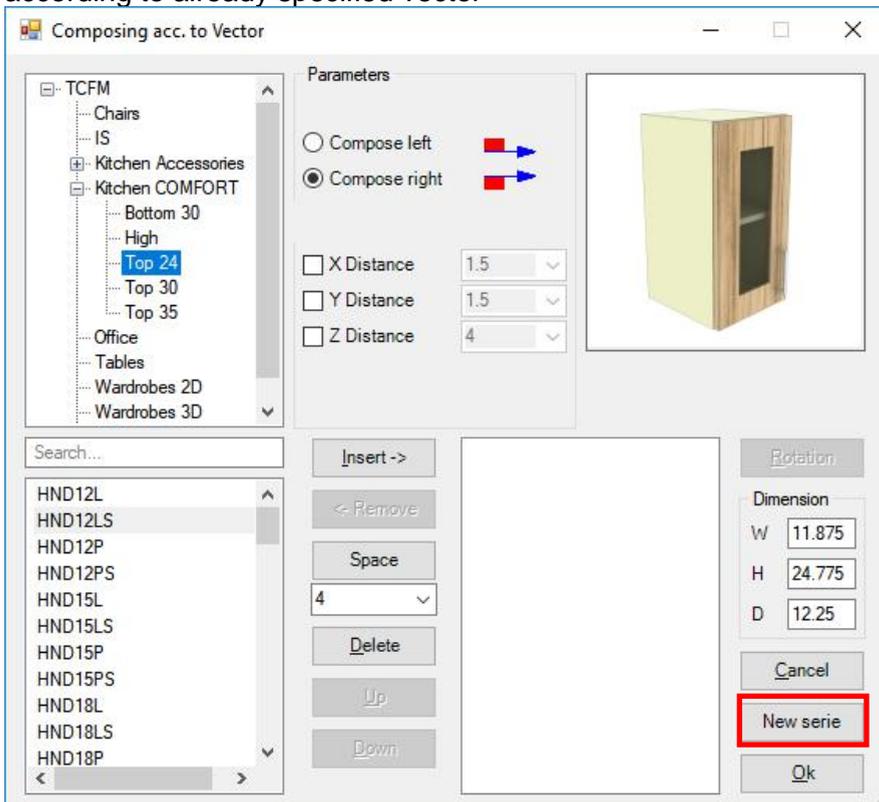
## DAEX CUT 18



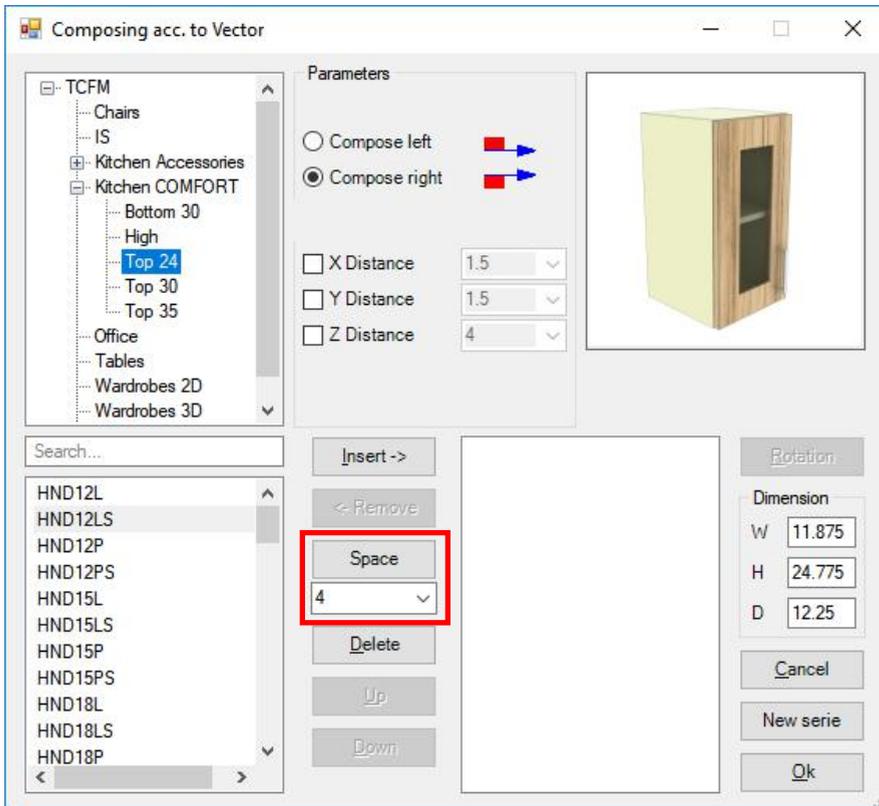
## NEW: The order of the edge gluing



## NEW: Composing according a vector: Feature „New series“ – create new row of cabinets according to already specified vector



**NEW: Composing according to vector: Feature „Space“** – insert a space of specified dimensions between two cabinets.



**IMPROVEMENT: Nesting** – Taking in account the direction of fibres

**IMPROVEMENT: Nesting** – The legend inside the parts

**NEW: Settings – the possibility to set the path to symbols for composing according to vector**

Options ✕

Project documentation Drilling

Elements shift [mm]:       Size of legend [mm]:

Areas for elements shift

Depth for Door/Pull/... detection [mm]:

Depth for Back detection [mm]:

Depth for Left Side detection [mm]:

Depth for Right Side detection [mm]:

Depth for Top detection [mm]:

Depth for Bottom detection [mm]:

Symbols directory:

**NEW: Formulas in the cell – the possibility to enter mathematic functions into cells**

Grain:  0  X  Y

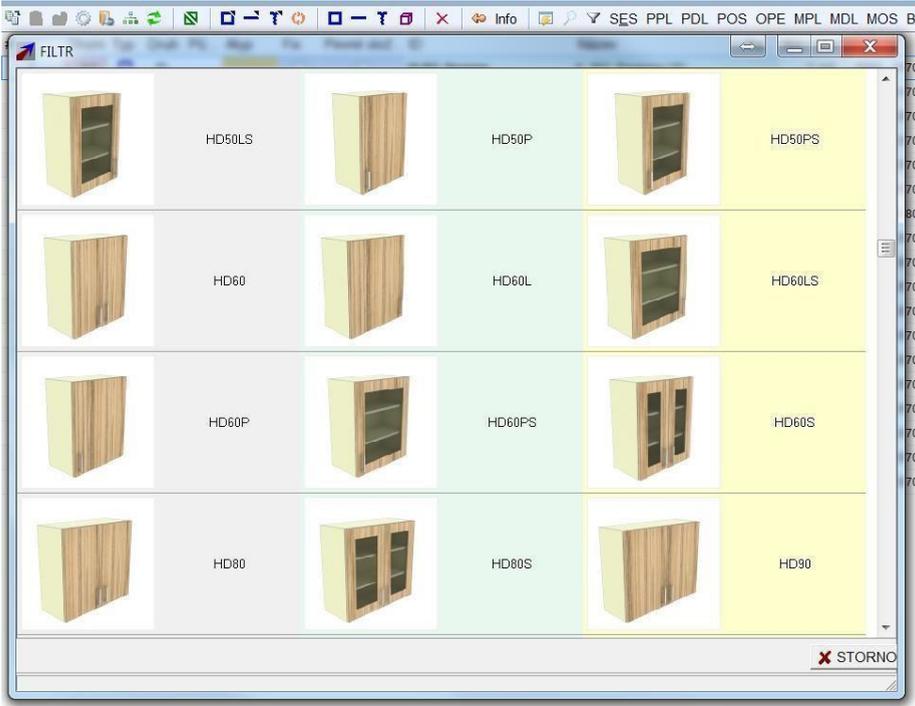
Y:  Y1

Z:  Y2

X:  Y:

Position	Group	Ope-	Color	Atyp	Origin	ID	Name	X	Y	Z
			0			Bottom	Bottom	20-2	30	0.4

**IMPROVEMENT: Image filter** – can display over 2000 items, now it can be used in both in materials and series

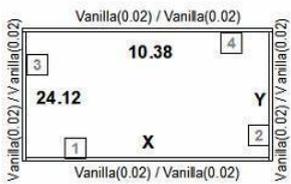


**NEW: New print set Label A1\_2**

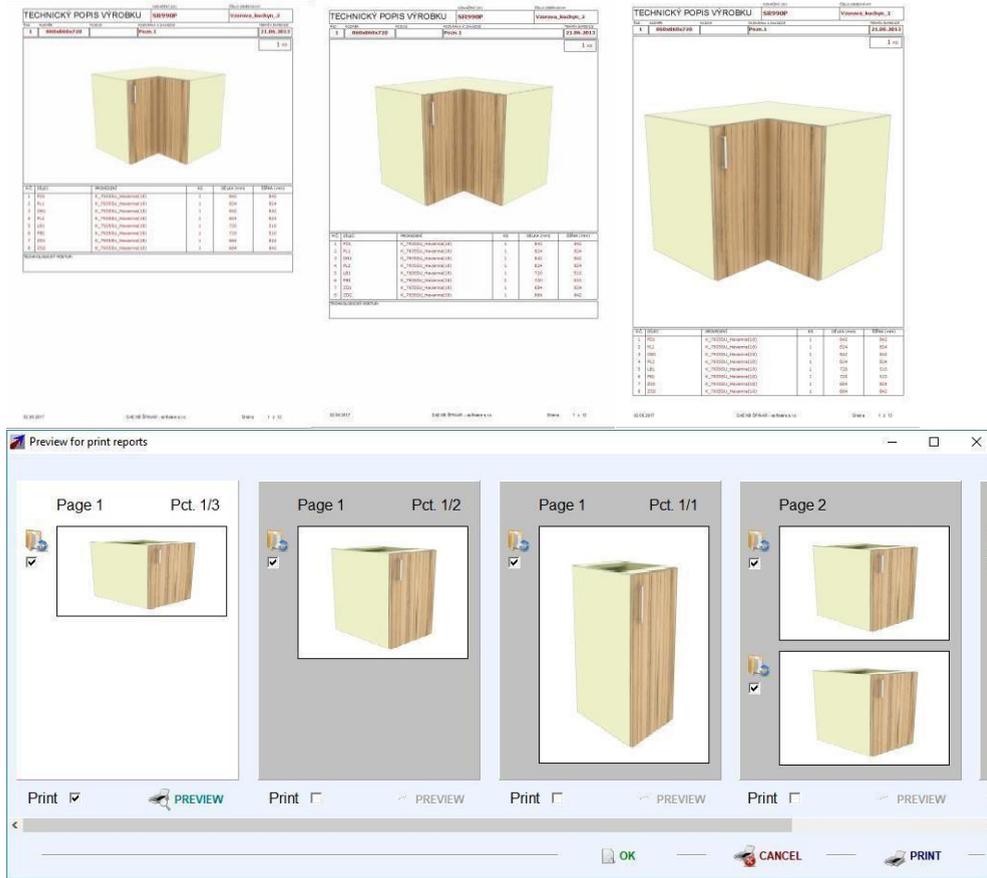
Note: **Flat No.3**  
 Order: **Kitchen**  
 Customer: **James May;**  
 Material: **18-590\_Vanilla / K\_590\_V**  
 Element:

**1\_C S1\_p1 S12L / S12L**  
**BOTTOM1 / Bottom**

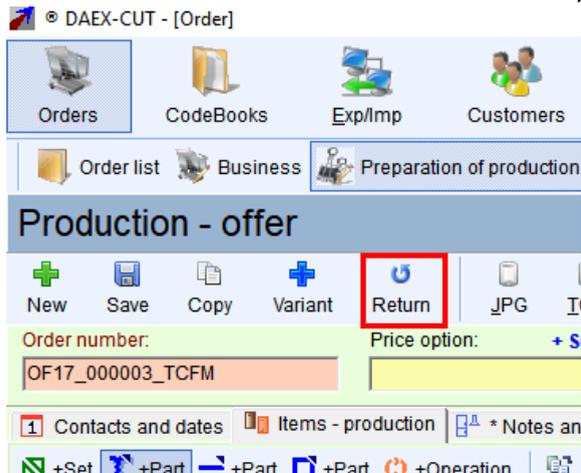
Quantity: **1**



**NEW: New print set Technical description –TP1/1, TP1/2, TP1/4**



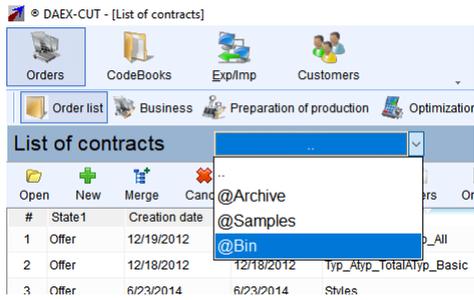
**NEW: New button Return - Go back to the lately saved order status**



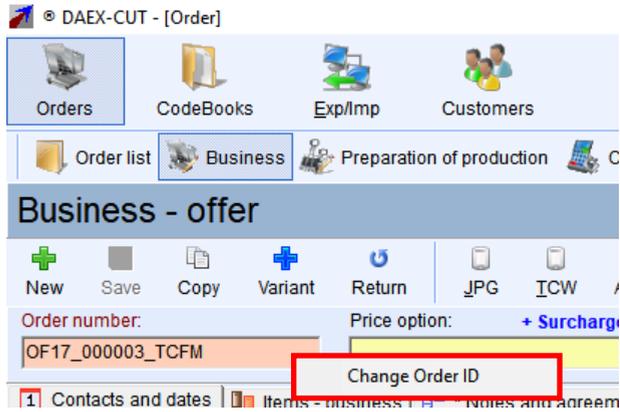
**NEW: Export MOS (other material) into XML DG+MAT – export the piece material into the DAEX-Generator configuration files**



**NEW: Feature Bin for deleted orders**



**NEW: The possibility to change ID of an existing order**



**NEW: Possibility of sorting by Idx column**

The screenshot shows a data table with columns: #, Idx, \$trom, Typ, TypM, Druh, Původ B... The 'Idx' column is highlighted with a red vertical box. The data rows are as follows:

#	Idx	\$trom	Typ	TypM	Druh	Původ B...
1	1	S1	☑	☑		0
2	1	S1_p1	▾	□	PL	
3	1	S1_p2	▾	□	PL	
4	1	S1_p3	▾	□	PL	
5	1	S1_p4	▾	□	PL	
6	1	S1_p5	▾	□	PL	
7	1	S1_p6	▾	□	PL	
8	1	S1_p7	▾	□	PL	
9	2	S2	☑	☑		1
10	2	S2_p1	▾	□	PL	
11	2	S2_p2	▾	□	PL	
12	2	S2_p3	▾	□	PL	
13	2	S2_p4	▾	□	PL	
14	2	S2_p5	▾	□	PL	
15	2	S2_p6	▾	□	PL	
16	2	S2s1	☑	☑		
18	2	S2s2	☑	☑		

**NEW: User setting column** – by right-clicking user can choose which columns to display

Columns ✕

- #
- Idx
- Tree
- Type
- SubType
- Origin
- ID
- Name
- Note
- MU
- X
- Y
- Z
- XAdd
- YAdd
- XCP
- YCP
- Pcs
- Sum
- Cons/Mu
- Consumption
- MatMu
- Grain
- TypeM
- TypeM
- MatID
- MatName
- Ctg. general
- Ctg. position
- Ctg. Line
- Room
- Room code
- Color
- Cnc Code
- Supplier
- ?
- Price type

^

v

✕ STORNO      ✔ OK

**IMPROVEMENT: Improved combined formats**

Sample at DAEX-CUT: order "Combined\_formats"

Sample at DAEX-Generator: Documents\TCFM\Samples\Combined\_formats.tcw

**Settings in the columns SF type, SF Id, SF Pos**

SF Type	SF Id	SF Column	SF Row

**SF Type** – Selection of options A, B = arrangement for cutting plan, not for graphic in TurboCAD.

A = compose vertically , B = compose side by side

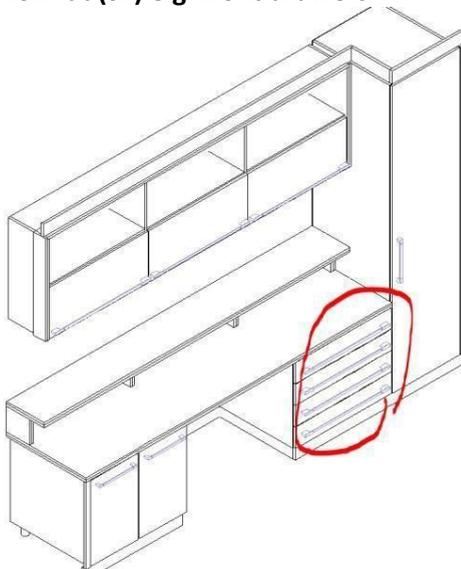
(For type "A" it is assumed that the parts in one row have always the same height, for the type "B" it is assumed that the parts in one column have always same width)

**SF Id** – the user defines – order marking in cutting plan in the contract

**SF Column** – the user defines - this is the order of the columns of combined format

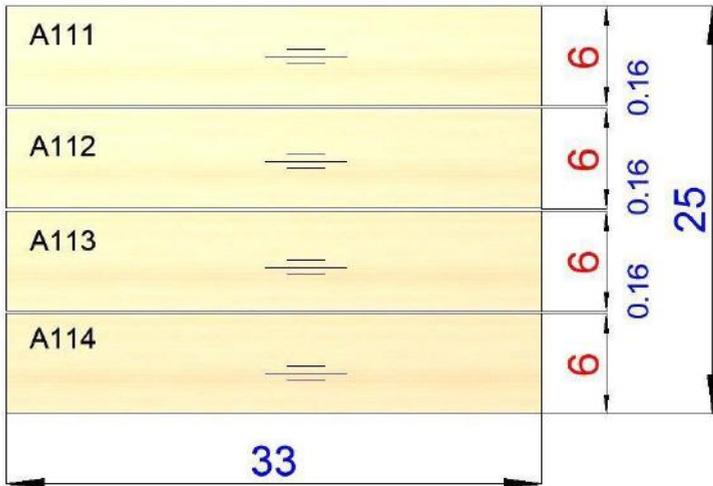
**SF Row** - the user defines – this is the order of the row of combined format

Slab is oriented by longer side X..

**Combined format (SF) e.g. front drawers**

1. The texture is oriented horizontally.

Required SF looks like this. Overall dimensions are in blue. Setting of cutting joint in optimization is 4 mm.



The SF parts are **undrneath** – that is why they are called **A**.

ID	SF Type	SF Id	SF Co...	SF Row	
front_1					A111
front_1-001	A	1	1	1	A112
front_1-002	A	1	1	2	A113
front_1-003	A	1	1	3	A114
front_1-004	A	1	1	4	

Optimal  Head  Long  Short  Combination  All 2

Overview | Options |

Materials:

ID	Name	X	Y	Z	Grain	Pcs
<input checked="" type="checkbox"/> 21-18-4567	beech(0.7)	110	80	0.7		0

Parts

ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
<input checked="" type="checkbox"/> #A-1	*33.5x6.6*33.5x6.6*33.5x6.6*33.5...	33.5	26.88	0.7	1	X	0	0	0	0

Optimal  Head  Long  Short  Combination  All 2

Overview | Options | Output

First Previous Next Patterns\*+Part Overview Index Eb Mat.costs+O(1)

The diagram shows a material layout with three parts: A (33.5x26.88), Z1 (109.6x52.56), and Z2 (75.94x26.88). The material is beech(0.7) with grain 110, X 110, Y 80, Z 0.7, and TRIM: 0.4x0.4. The number of repeats is 1x. The total material yield is 10.2327%.

80

110

MATERIAL ID: 21-18-4567

STOCK ID: --

NAME: beech(0.7)

X 110 Y 80 Z 0.7

TRIM: 0.4x0.4

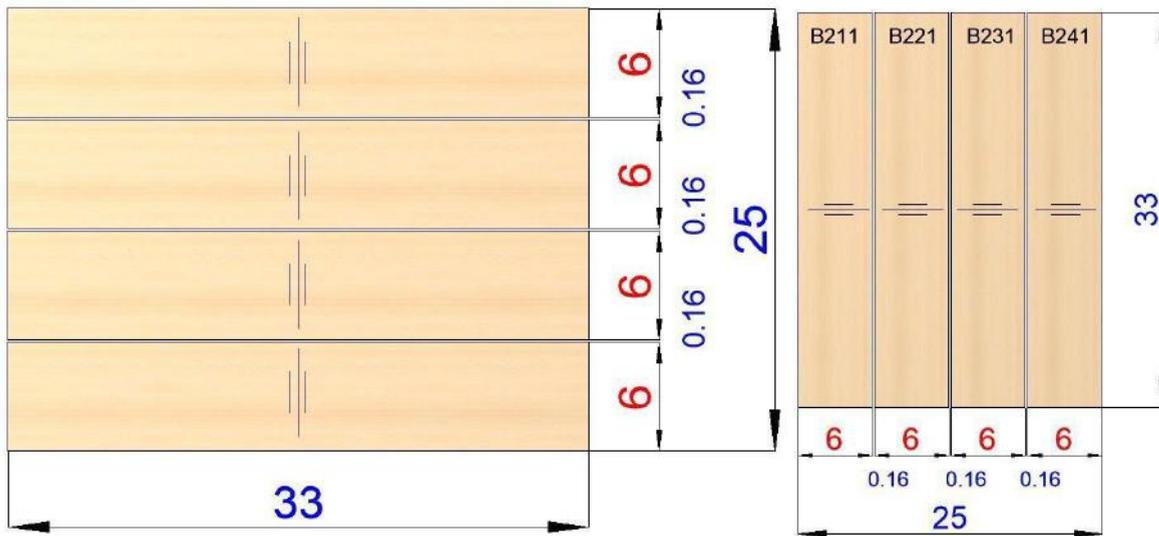
**Num. of repeat = 1x**

Pattern #: 1 / 1

Total material yield: 10.2327 %

2. Drawer texture is oriented vertically.

Graphic in TurboCAD



The placement in cutting plan!

The SF parts are next to each other – that is why they are called B.

ID	SF Type	SF Id	SF Co...	SF Row	B211	B221	B231	B241
front_2-001	B	2	1	1				
front_2-002	B	2	2	1				
front_2-003	B	2	3	1				
front_2-004	B	2	4	1				

Optimal Head Long Short Combination All 2

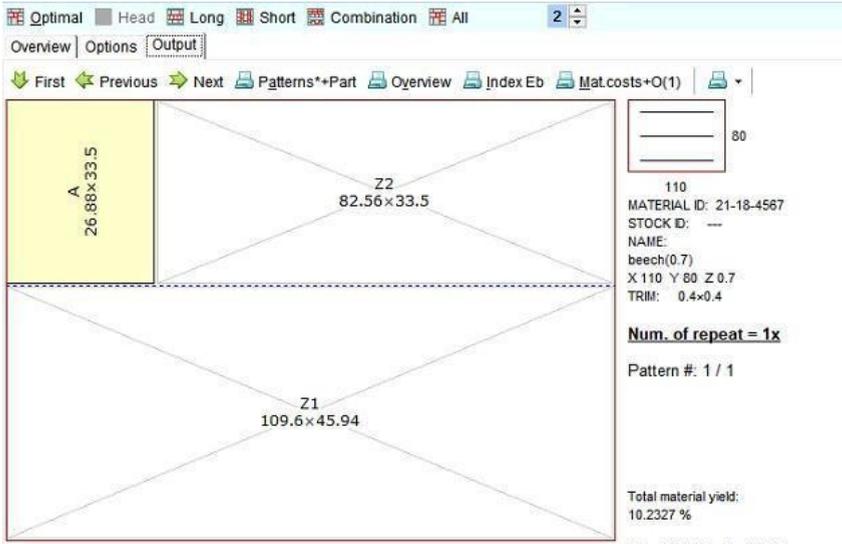
Overview Options

Materials:

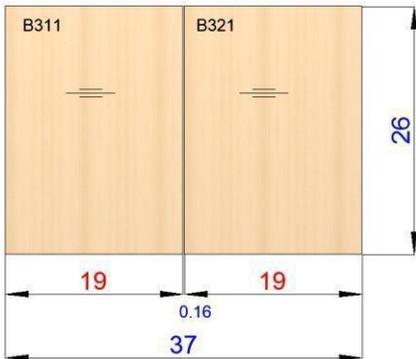
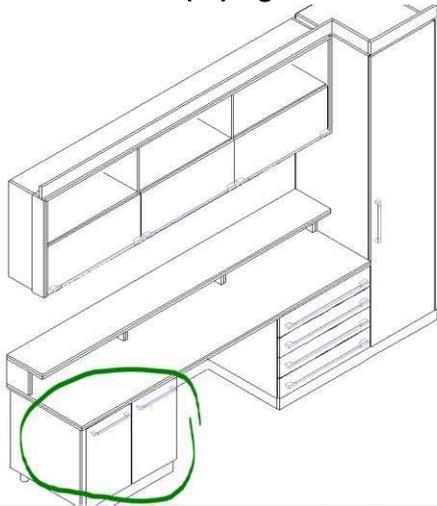
ID	Name	X	Y	Z	Grain	Pcs
21-18-4567	beech(0.7)	110	80	0.7	X	0

Parts

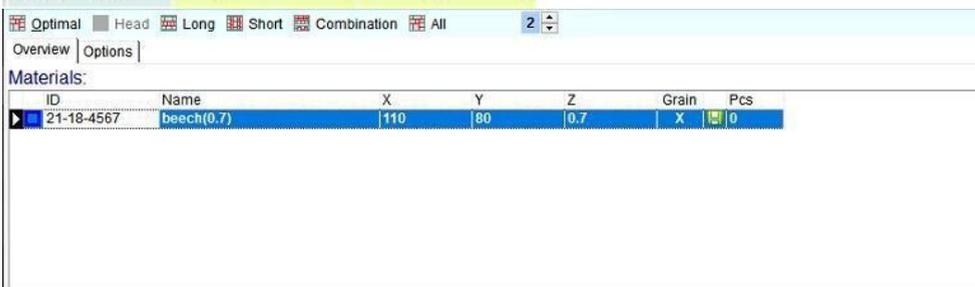
ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
#B-2	*6.6x33.5*6.6x33.5*6.6x33.5*6.6x...	26.88	33.5	0.7	1	X	0	0	0	0



Combined format (SF) e.g. drawer fronts



ID	SF Type	SF Id	SF Co...	SF Row
front_3				
front_3-001	B	3	1	1
front_3-002	B	3	2	1



Parts

ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
#B-3	*18.9x26.5*18.9x26.5	37.96	26.5	0.7	1	X	0	0	0	0

Optimal Head Long Short Combination All 2

Overview Options Output

First Previous Next Patterns\*+Part Overview Index Eb Mat.costs+O(1)

**A**  
37.96×26.5  
\*18.9×26.5\*18.9×26.5

**Z2**  
71.48×26.5

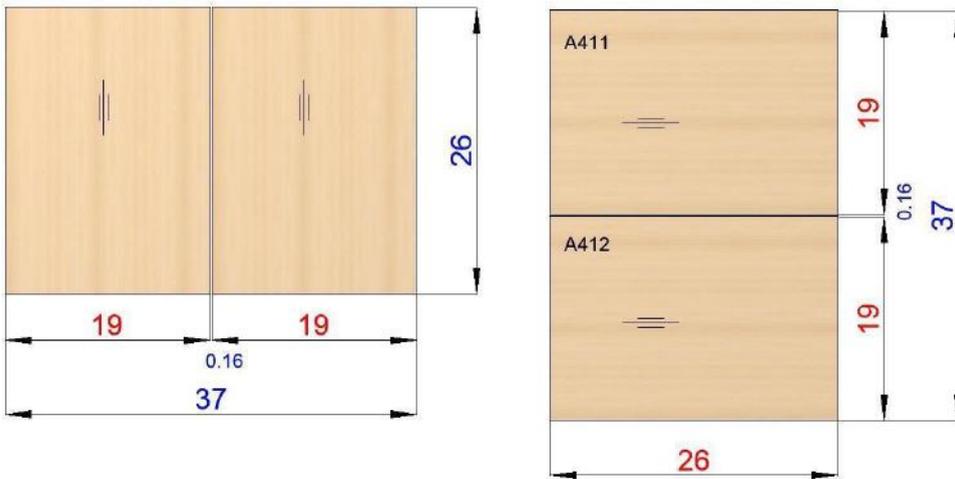
**Z1**  
109.6×52.94

110  
MATERIAL ID: 21-18-4567  
STOCK ID: --  
NAME:  
beech(0.7)  
X 110 Y 80 Z 0.7  
TRIM: 0.4×0.4

**Num. of repeat = 1x**

Pattern #: 1 / 1

Total material yield:  
11.4311 %



ID	SF Type	SF Id	SF Co...	SF Row
front_4				
front_4-001	A	4	1	1
front_4-002	A	4	1	2

Optimal Head Long Short Combination All 2

Overview Options Output

Materials:

ID	Name	X	Y	Z	Grain
21-18-4567	beech(0.7)	110	80	0.7	X

Parts

ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
#A-4	*26.5x18.9*26.5x18.9	26.5	37.96	0.7	1	X	0	0	0	0

Optimal Head Long Short Combination All 2

Overview Options Output

First Previous Next Patterns\*+Part Overview Index Eb Mat.costs+O(1)

**A**  
26.5x37.96  
\*26.5x18.9\*26.5x18.9

**Z2**  
82.94x37.96

**Z1**  
109.6x41.48

80

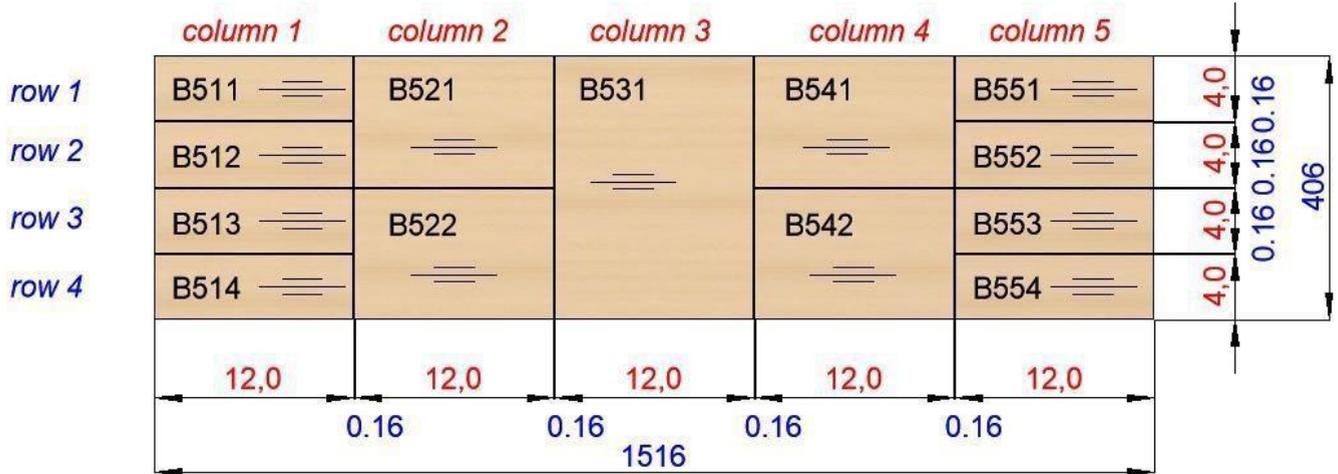
110  
MATERIAL ID: 21-18-4567  
STOCK ID: ---  
NAME:  
beech(0.7)  
X 110 Y 80 Z 0.7  
TRIM: 0.4x0.4

**Num. of repeat = 1x**

Pattern #: 1 / 1

Total material yield:  
11.4311 %

Combined formats (SF) e.g. drawer fronts



ID	SF Type	SF Id	SF Co...	SF Row
front_5				
front_5-001	B	5	1	1
front_5-002	B	5	1	2
front_5-003	B	5	1	3
front_5-004	B	5	1	4
front_5-005	B	5	2	1
front_5-006	B	5	2	2
front_5-007	B	5	3	1
front_5-008	B	5	4	1
front_5-009	B	5	4	2
front_5-010	B	5	5	1
front_5-011	B	5	5	2
front_5-012	B	5	5	3
front_5-013	B	5	5	4

Optimal  Head  Long  Short  Combination  All  2

Overview | Options | Output

Materials:

ID	Name	X	Y	Z	Grain
21-18-4567	beech(0.7)	110	80	0.7	X

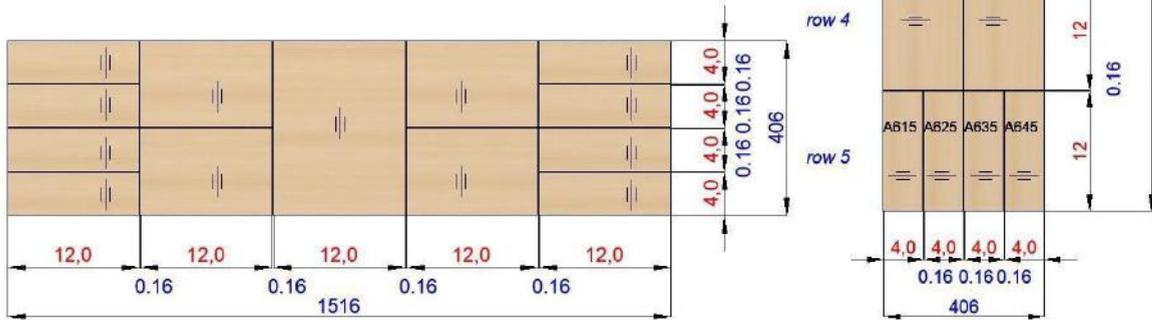
Parts

ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
#B-5	*12.2x4.2/4.2/4.2/4.2*12.2x8.2/8.2...	61.64	17.28	0.7	1	X	0	0	0	0

Optimal  Head  Long  Short  Combination  All  2

Overview | Options | Output

First  Previous  Next  Patterns\*\*Part  Overview  Index Eb  Mat.costs+O(1)



ID	SF Type	SF Id	SF Co...	SF Row
<b>front_6</b>				
front_6-001	A	6	1	1
front_6-002	A	6	2	1
front_6-003	A	6	3	1
front_6-004	A	6	4	1
front_6-005	A	6	1	2
front_6-006	A	6	2	2
front_6-007	A	6	1	3
front_6-008	A	6	1	4
front_6-009	A	6	2	4
front_6-010	A	6	1	5
front_6-011	A	6	2	5
front_6-012	A	6	3	5
front_6-013	A	6	4	5

Optimal  Head  Long  Short  Combination  All  2

Overview | Options

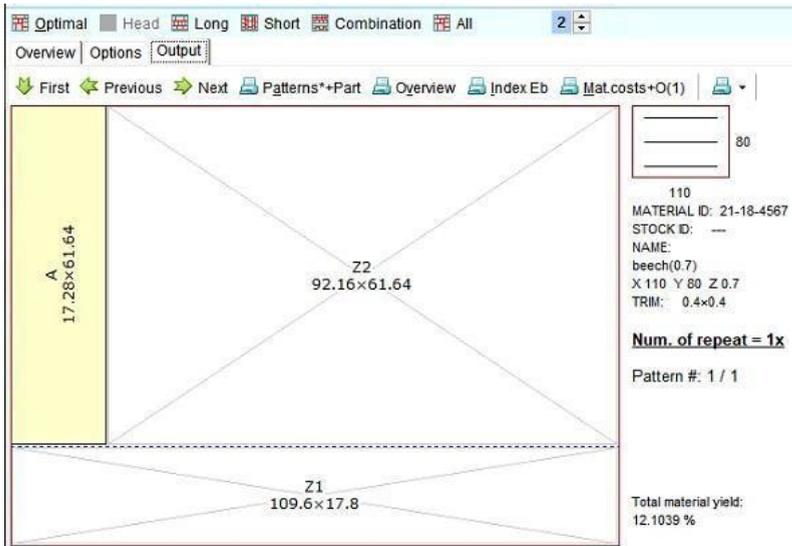
Materials:

ID	Name	X	Y	Z	Grain	Pcs
21-18-4567	beech(0.7)	110	80	0.7	X	0

Parts

Parts

ID	Name	X	Y	Z	Pcs	Grain	X1...	X2...	Y1...	Y2...
#A-6	*4.2/4.2/4.2/4.2x12.2*8.2/8.2x12.2...	17.28	61.64	0.7	1	X	0	0	0	0



### NEW: Parametrization of cabinets

That function is turn-off at default state, to turn-on you have to close TurboCAD and open file *Setup.xml* at path:

*C:\Users\[user]\AppData\Roaming\Spinar-software\TurboCAD Furniture Maker\18.0\Data\Configs*  
or at path:

*C:\Program Files (x86)\Spinar-software\TurboCAD Furniture Maker 64bit\Data\Configs*  
and change

`<parametrization>0</parametrization>`

to

`<parametrization>1</parametrization>`

Help for that feature: [www.spinar.cz/download\\_2/TCFM18/Parametrization.pdf](http://www.spinar.cz/download_2/TCFM18/Parametrization.pdf)

Model is assigned for these cabinets:

#### Inch-version of TCFM:

HVD12L; HVD12LS; HVD12P; HVD12PS; HVD15L; HVD15LS; HVD15P; HVD15PS; HVD18L; HVD18LS; HD12L; HD12LS; HD12P; HD12PS; HD15L; HD15LS; HD15P; HD15PS; HD18L; HD18LS; HND12L; HND12LS; HND12P; HND12PS; HND15L; HND15LS; HND15P; HND15PS; HND18L; HND18LS; V15L; V15P; V24L; V24P; VL24L; VL24P; VSTR24L; VSTR24P; VTR24L; VTR24P; S12L; S12P; S15L; S15P; S18L; S21L; S21P; S24; S24L; SO12

#### Metric-version of TCFM:

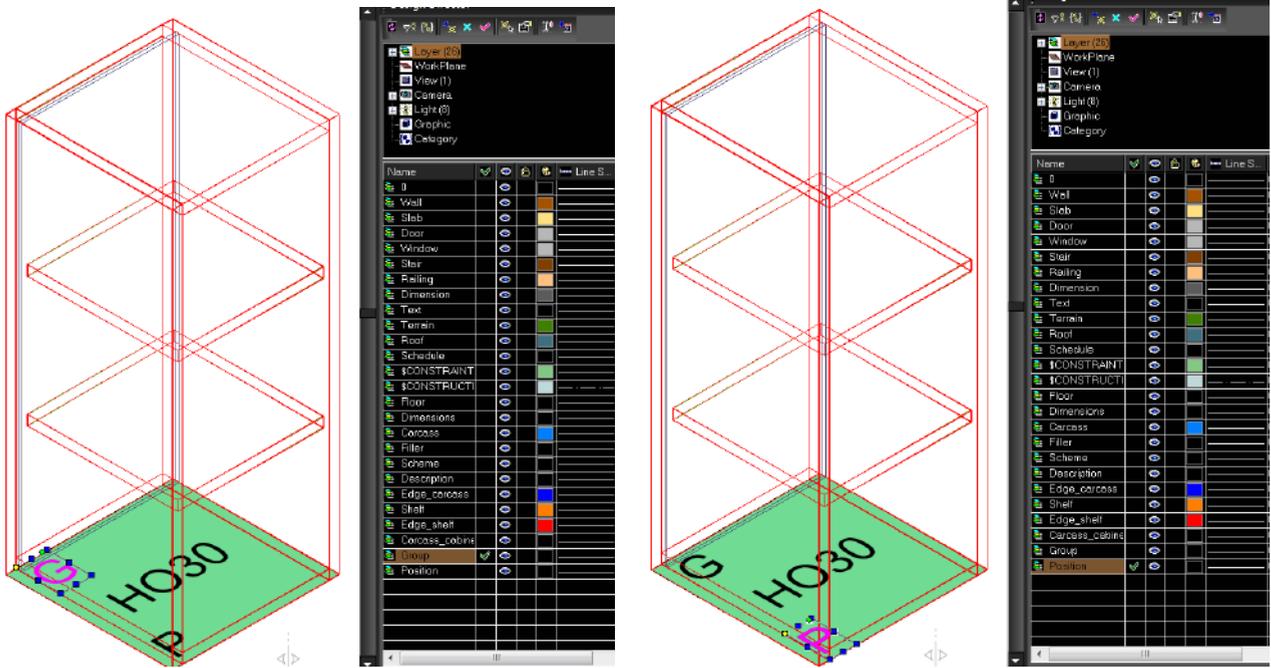
HD30L; HD30LS; HD30P; HD30PS; HD40L; HD40LS; HD40P; HD40PS; HD45L; HD45LS; HVD30L; HVD30LS; HVD30P; HVD30PS; HVD40L; HVD40LS; HVD40P; HVD40PS; HVD45L; HVD45LS; HND30L; HND30LS; HND30P; HND30PS; HND40L; HND40LS; HND40P; HND40PS; HND45L; HND45LS; VSTR60L; VSTR60P; VTR60L; VTR60P; V40L; V40P; V60L; V60P; VL60L; VL60P; S60; S30P; S40L; S40P; S45L; S45P; S50L; S50P; S60L; S30L

**IMPROVEMENT:** Refreshed order is highlighted in List of Contracts

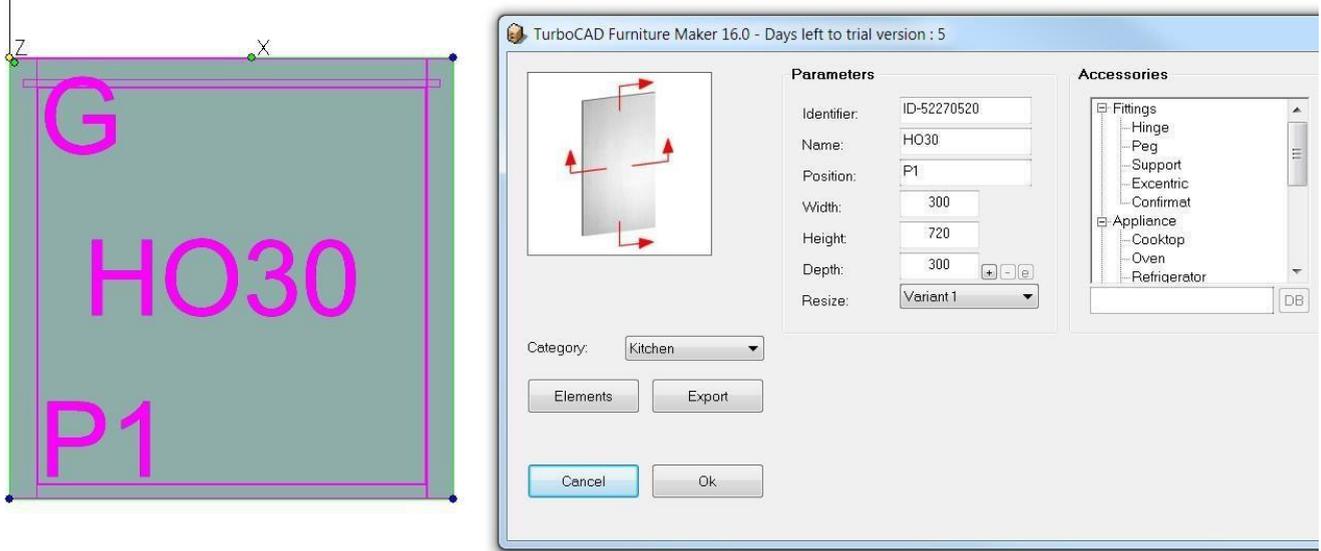
**IMPROVEMENT:** Improved scrolling in the order

**NEW:** Select the default module – Business/Production

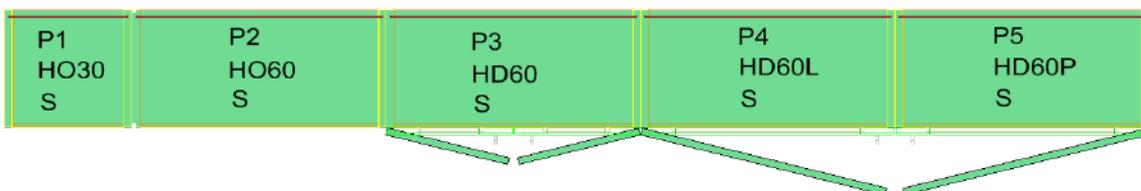
**NEW: Position and group** – for all elements in drawing can be allocated position and for select group of elements indication.

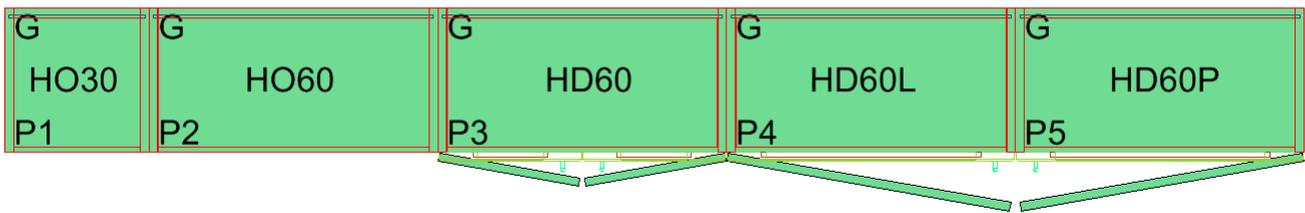


After selecting the cabinet, there is now in the cabinet dialog new item - Position. Now, it is possible to edit the cabinet's position.

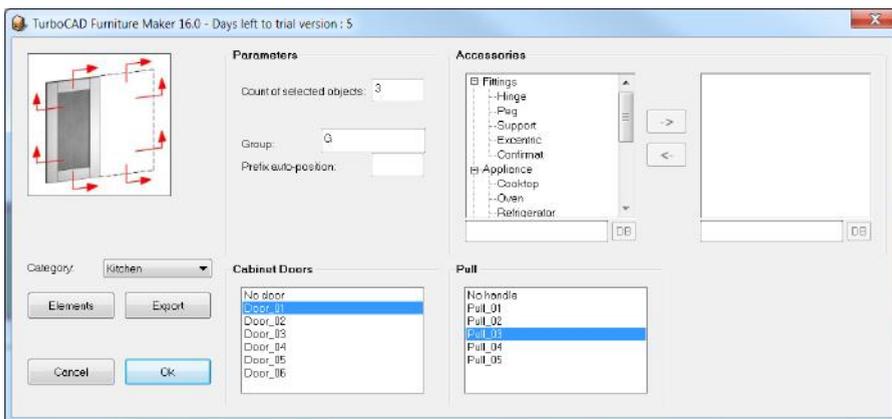
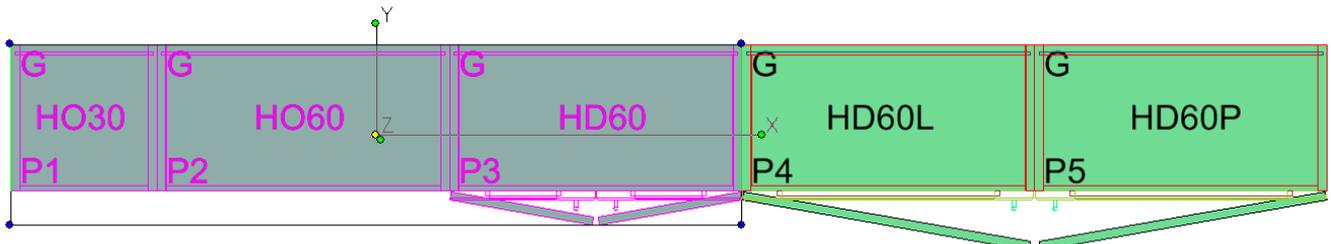


In this way, we can enter the position for individual elements in the drawing.

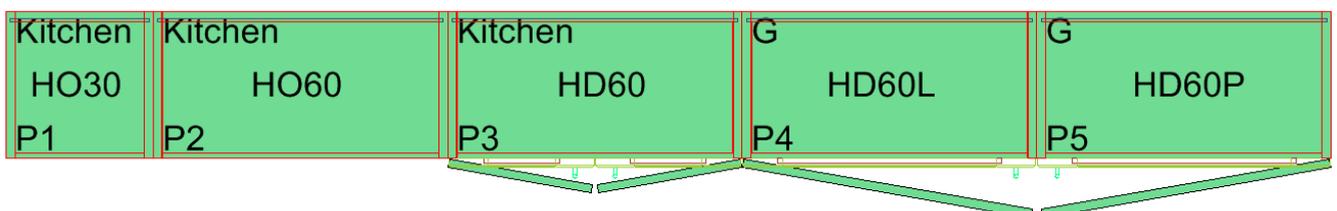
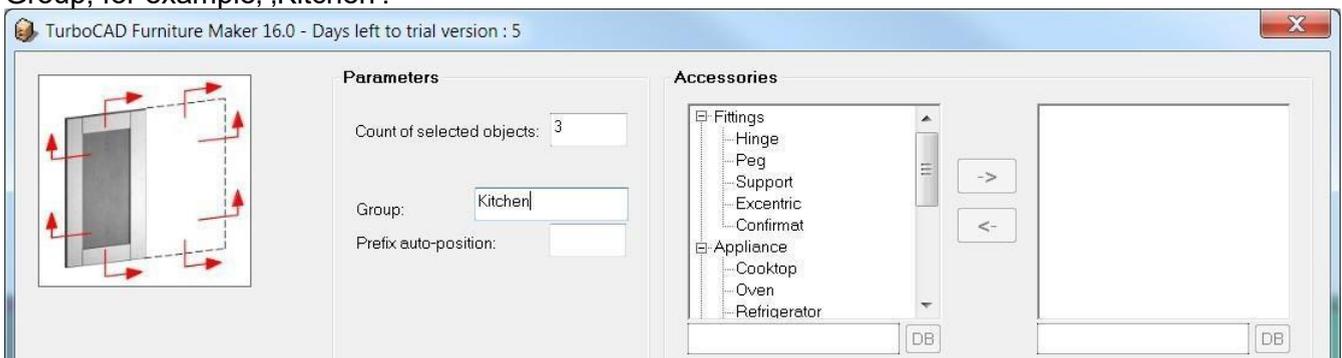




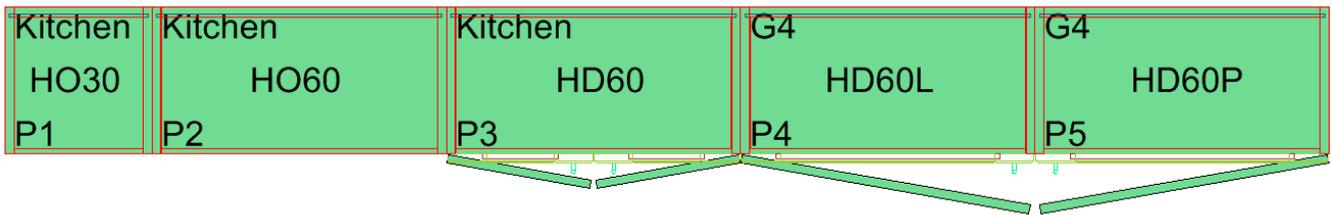
Identification of a group can be assigned to selected elements in a drawing. Select the required cabinets and click on the icon 'Generate'.



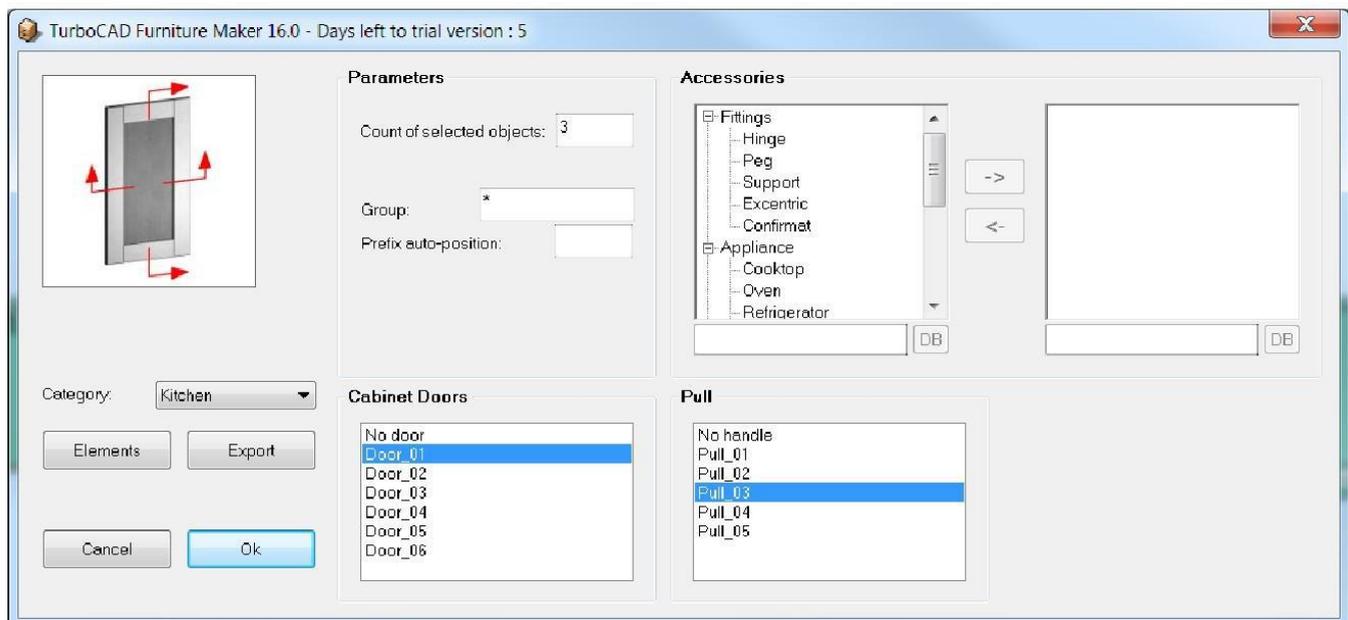
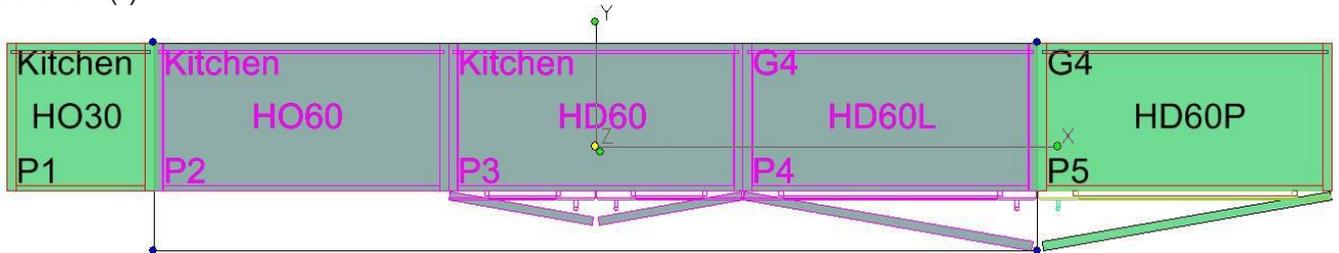
We can see in the dialog box how many objects are selected and we can enter the name for this Group, for example, 'Kitchen'.



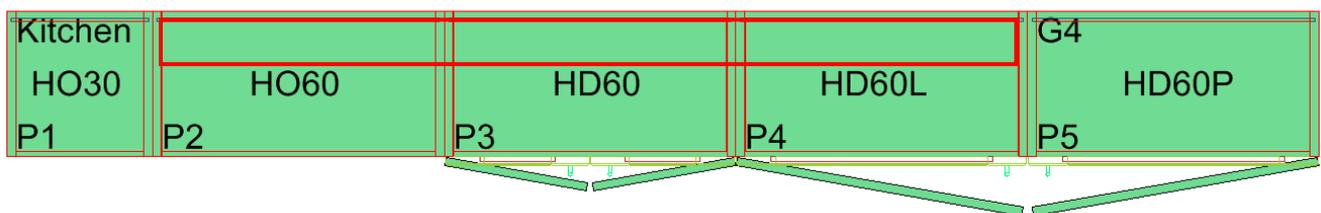
In this way we can create required groups.



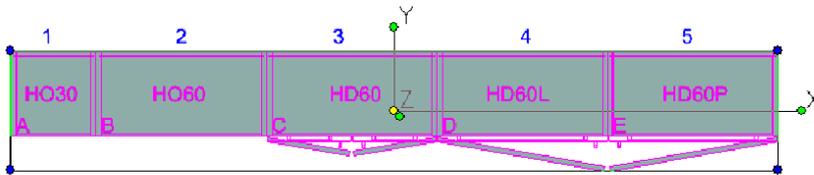
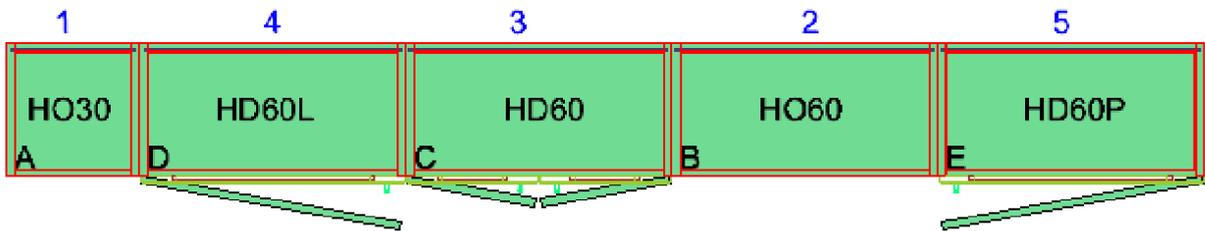
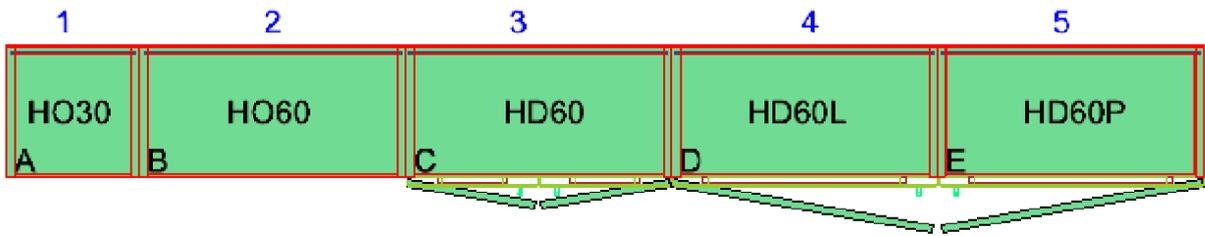
If the marked objects come from different Groups, the Group name in the dialog box is written with an asterisk (\*).



Deleting this asterisk (\*) clears the marking of objects that come from different Groups:



**NEW: Prefix auto position** – makes it possible to add a prefix indication of position together with the numbered position, according to the sequence in which the objects were entered into a drawing. The sequence is marked with blue numbers.



TurboCAD Furniture Maker 16.0 - Days left to trial version : 5



**Parameters**

Count of selected objects: 5

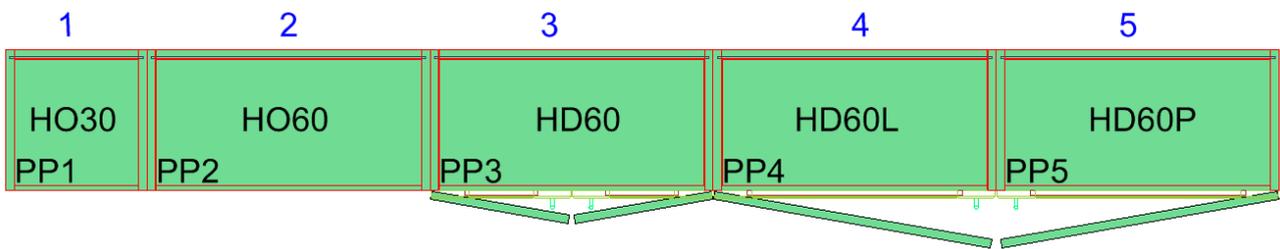
Group:

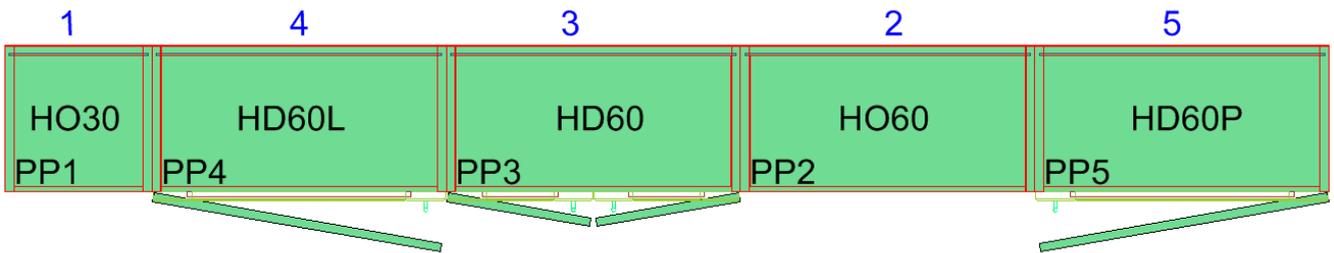
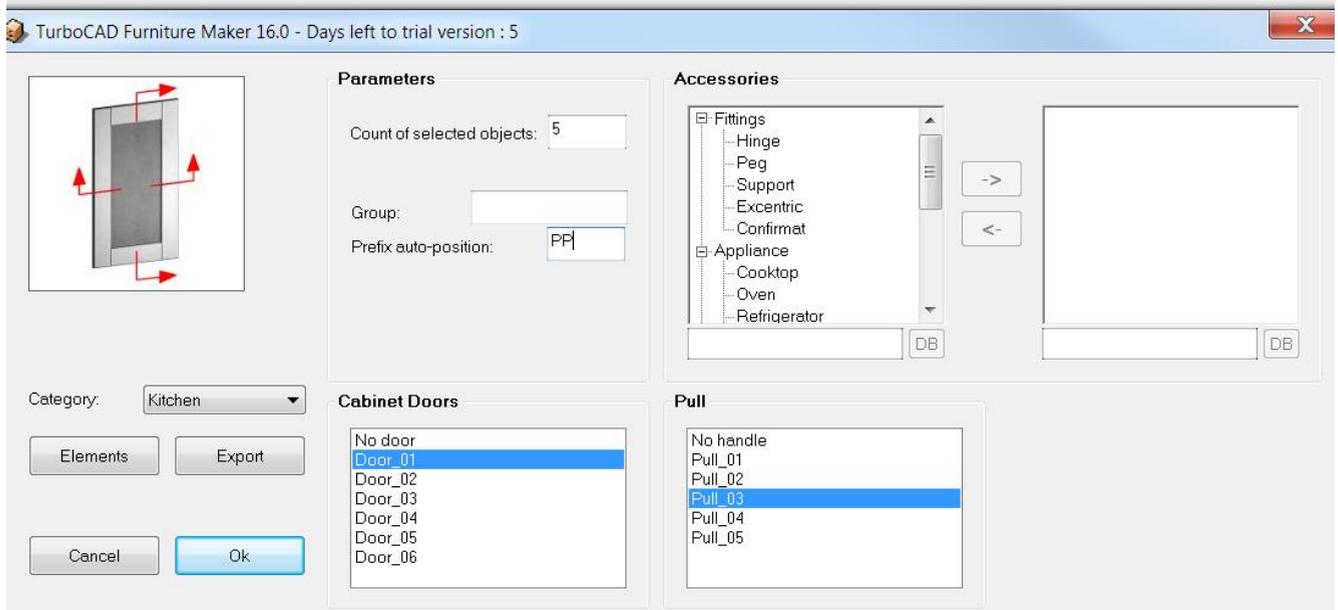
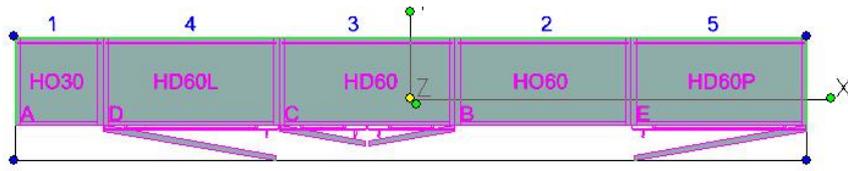
Prefix auto-position: PP

**Accessories**

- Fittings
  - Hinge
  - Peg
  - Support
  - Excentric
  - Confirmat
- Appliance
  - Cooktop
  - Oven
  - Refrigerator

DB DB

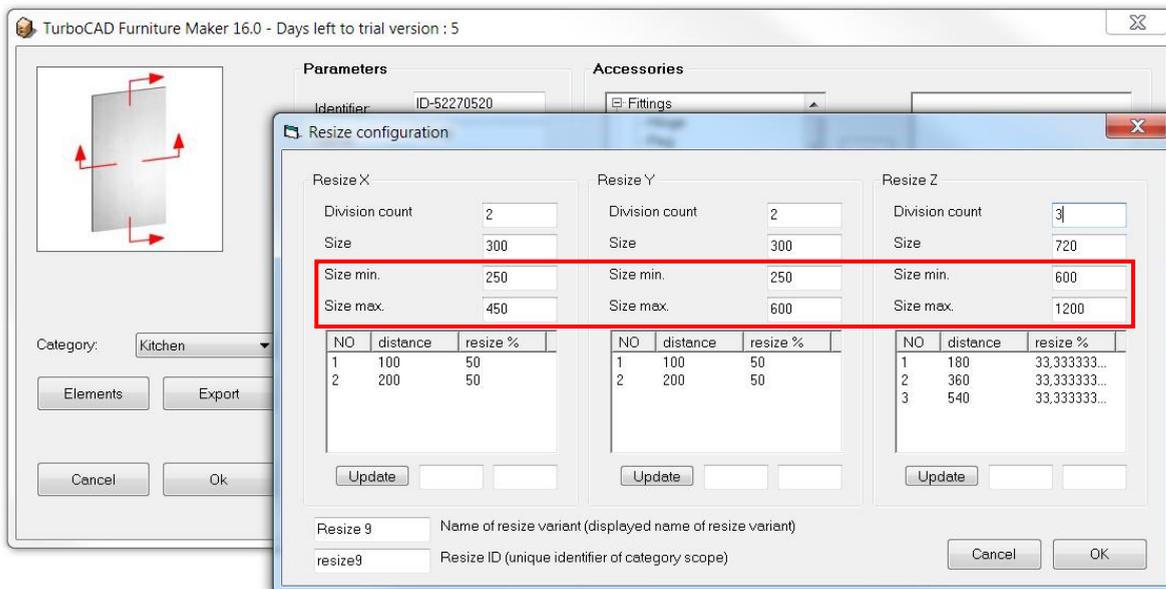




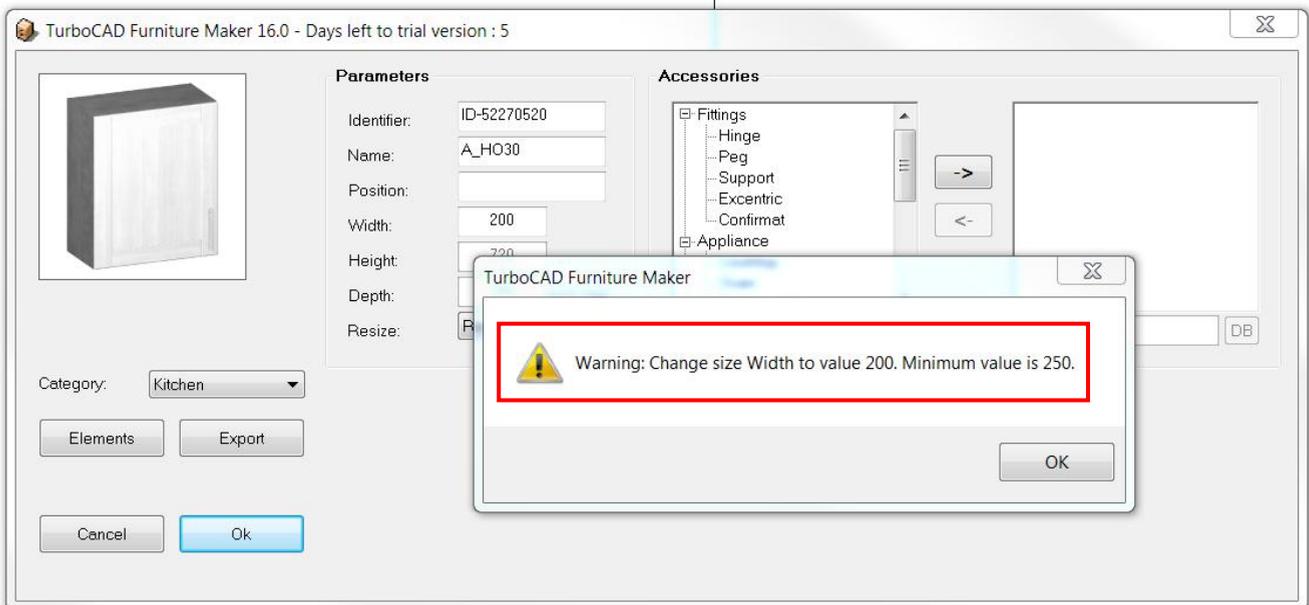
**NEW: The minimum and maximum element size.**

Now, we can define minimum and maximum size for an element in (X, Y, Z). If you exceed this size limit, the resizing will not be implemented.

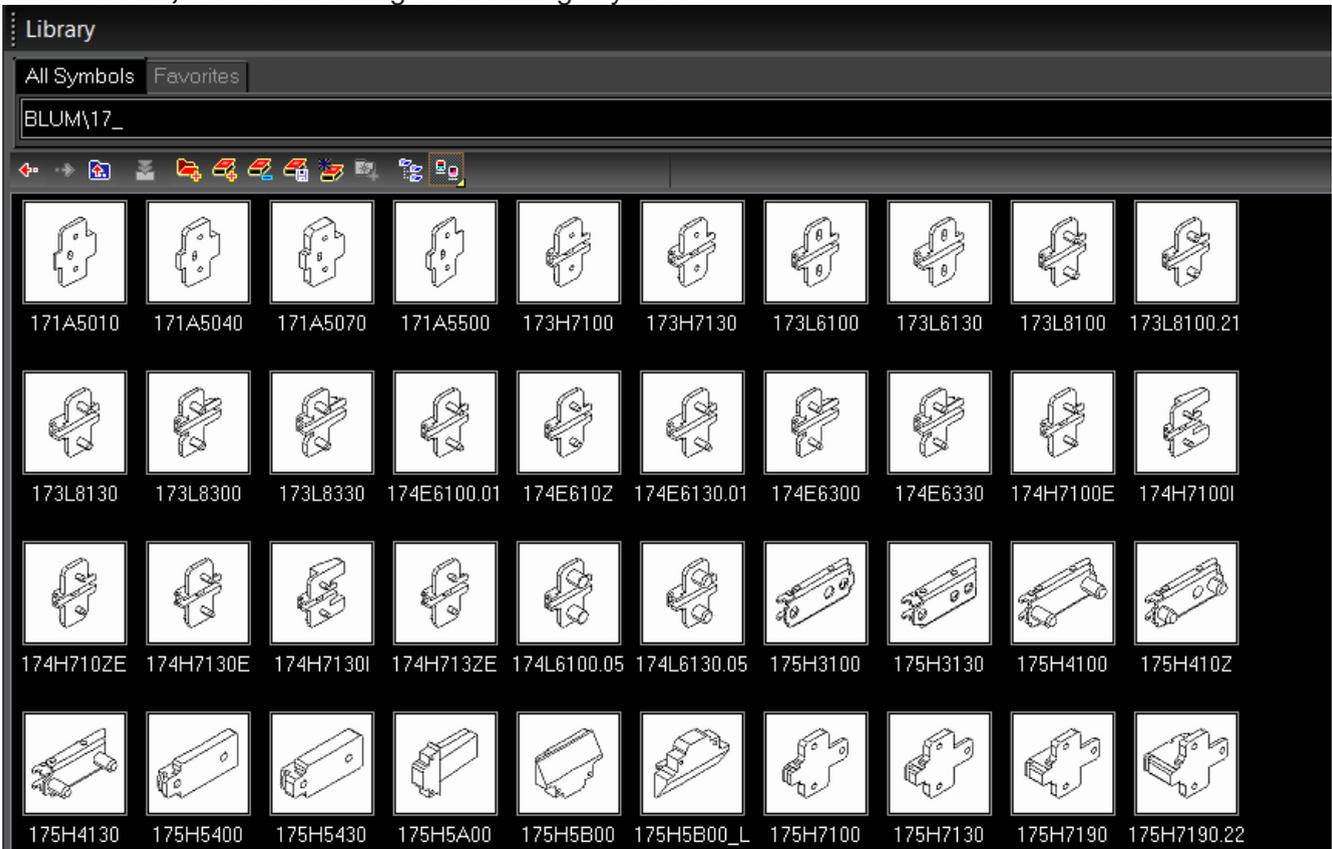
It is necessary to set Size minimums and maximums for the X, Y and Z variables.



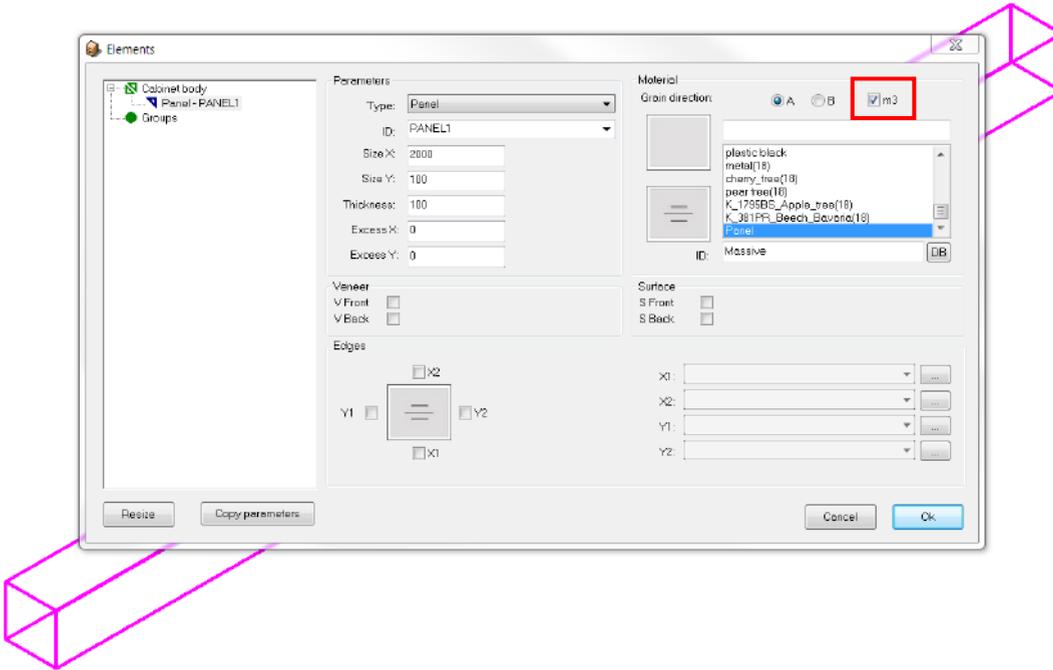
When the size limit is exceeded, the program will display the following notification:



**NEW: Blum, -3D Cabinet hinges and fittings symbols**



**NEW: The unit of material is m3.**



#	Tree	T.	T.	Sub.	Room code	Color	Alt	Origin ID	Name	X	Y	Z	Pcs	MU	Sum	Xkdd	Ykdd	XCP	YCP	TypeM	Grain	MatID	MatName	ConsMu	Consumption	MatMu
1	p1				PC			m3	ID-36792719-001	PANEL1	2000	100	100	25	pcs	25	0	0	2000	100		x	Massive	Panel	0.02	0.5 m3

**MATERIAL CONSUMPTION**

OF15\_000002\_TCFM

ACTION: Doe  
 TERM: 8/10/2015  
 PREPARED BY: Walsch

Material ID	Material name	Amount
<i>Piece material</i>		
Massive	Panel_2000x100x100 (25 pcs)	0.500 m3

**MATERIAL COSTS**

ORDER: OF15\_000002\_TCFM

ACTION: Doe  
 TERM: 8/10/2015  
 PREPARED BY: Walsch

Material ID	Material name	Sum:	Amount	Price
<i>Piece material</i>				
Massive	Panel_2000x100x100 (25 pcs)	\$20.00	0.500 m3	\$10.00
			Sum:	\$10.00
			<b>Total:</b>	<b>\$10.00</b>

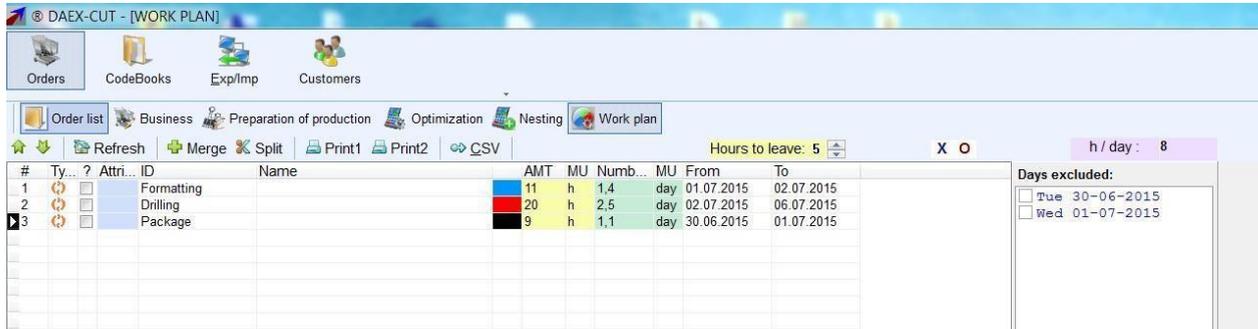
**Materials by supplier**

ORDER: OF15\_000002\_TCFM

ACTION: Doe  
 TERM: 8/10/2015  
 PREPARED BY: Walsch

ID	NAME	AMT	MU	Price/MU
Massive	Panel_2000x100x100 (25 pcs)	0.500 m3		\$20.00
				Total w/o VAT: \$10.00
<b>Material w/o VAT - total :</b>				<b>\$10.00</b>

**NEW: Work schedule** – Simple planner of works.



**Work plan 1**

Order No: **OF14\_000021\_TCFM**  
 Action:  
 Term: **29.6.2015**  
 Prepared by:

Attr.	ID	Name	Color	Amt MU	h/day	Numb.of d MU	From	To
		Formatting	<span style="background-color: blue; color: blue;">■</span>	11,0 h	8,0	1,4 day	1.7.2015	2.7.2015
		Drilling	<span style="background-color: red; color: red;">■</span>	20,0 h	8,0	2,5 day	2.7.2015	6.7.2015
		Package	<span style="background-color: black; color: black;">■</span>	9,0 h	8,0	1,1 day	30.6.2015	1.7.2015

**Work plan 2**

Order No: **OF14\_000021\_TCFM**  
 Action:  
 Term: **29.6.2015**  
 Prepared by:

Attr ID	Name	Chart																													
		30.6.2015														15.7.2015															
		30	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Formatting																															
Drilling																															
Package																															

**NEW: The numbering of edges** – allows you to define the sequence of machining the edges.

**IDENTIFICATION**

ID HO30

NM HO30

ID SHELF\_FREE1

NM Shelf free

**PARAMETERS**

Amount: 1 MU pcs

X1 ABS-K\_7935SU\_Havanna(18)

X2 ABS-K\_7935SU\_Havanna(18)

Y1

Y2

Grain: 0, X, Y

**PART MATERIAL**

ID 18-7935SU\_Havana

NM K\_7935SU\_Havanna(18)

X 2800

Grain: 0, X, Y

Y 2070

#	Tree	T...	T...	Sub...	Room code	Color	Atyp	Origin ID	Name	X	Y	Z	Pcs	MU
1	S1					0		HO30	HO30	300	300	720	1	pcs
2	S1_p1			SQ				TOP1	Top	264	300	18	1	pcs
3	S1_p2			SQ				SHELF_FREE1	Shelf free	263	270	18	1	pcs

**NEW: Group, Position** – transfer of information from the graphical part of TurboCAD into the Group column and position in DAEX CUT:

#	Tree	Type	Typ...	Sub...	Origin	C...	Atyp	ID	Name	Group	Position	Pcs	MU
1	S1	☑	☑			0		HO30	HO30	Group	P1	2 pcs	
2	S1_p1	▾	□	SQ				TOP1	Top	Group	P1	1 pcs	
3	S1_p2	▾	□	SQ				SHELF_FREE1	Shelf free	Group	P1	1 pcs	
4	S1_p3	▾	□	SQ				BACK1	Back	Group	P1	1 pcs	
5	S1_p4	▾	□	SQ				BOTTOM1	Bottom	Group	P1	1 pcs	
6	S1_p5	▾	□	SQ				SHELF_FREE2	Shelf free	Group	P1	1 pcs	
7	S1_p6	▾	□	SQ				SIDE_LEFT1	Side left	Group	P1	1 pcs	
8	S1_p7	▾	□	SQ				SIDE_RIGHT1	Side right	Group	P1	1 pcs	
9	S2	☑	☑			1		HO60	HO60	Group	P2	2 pcs	

**Improved: Nesting** – Optimized cuts allows for special treatment for Nesting. This combination allows for more complete machining of elements directly on the CNC.

**Improved: Print report. List of the parts A2 (Optimization)** – There are now new columns for allowance of X and Y- X NP and Y NP.

INDEX A - part dimensions incl. allowance

Order: OF14\_000023\_TCFM;

set	#	cod	X	Y	Z	pcs	part	Add X	Add Y	material	edges	X1	X2	Y1	Y2
☑		HO30	300	300	720	2		0	0						
	1	---	702	282	5	2	Back	0	0	18-7935SU_Havana	X1	ABS-K_7935SU_Havana			
	2	C	274	300	18	2	Bottom	10	0	18-7935SU_Havana	X1	ABS-K_7935SU_Havana			
	3	D	263	270	18	2	Shelf free	0	0	18-7935SU_Havana	X1	ABS-K_7935SU_Havana			
	4	D	263	270	18	2	Shelf free	0	0	18-7935SU_Havana	X1	ABS-K_7935SU_Havana			
	5	A	720	300	18	2	Side left	0	0	18-7935SU_Havana	X2Y1Y2	ABS-K_7935SU_Havana	ABS-K_7935SU_Havana	ABS-K_7935SU_Havana	
	6	A	720	300	18	2	Side right	0	0	18-7935SU_Havana	X2Y1Y2	ABS-K_7935SU_Havana	ABS-K_7935SU_Havana	ABS-K_7935SU_Havana	
	7	B	274	310	18	2	Top	10	10	18-7935SU_Havana	X1	ABS-K_7935SU_Havana			

**Improved: Summation of storage cards.** At the end of the print report, there is now a summation of all items.

**Storage card**

**10**  
Hood

Quantity in stock: 110 pcs

Price per pcs: 20.0

Total price: 2200

8/11/2015

Item Item+movements All All+movements CANCEL OK

**Movement list**

Show movements  Virtual material

Date	Descr.	+/-	Pcs
7/28/2015	Buy	+	100
8/10/2015	Buy1	+	10

**Stock card**

ID	NAME	PCS	M2
10	Hood	100	0
Code	X	Y	PCS
Price/MU			\$20.0
Total price			\$2,000.0

**Status to date: 02.08.2015**

**Improved:** Floor / ceiling – added views on the chosen material for the floor and ceiling.

Floor	Ceiling
<input type="checkbox"/> Create	<input type="checkbox"/> Create
Thickness: <input type="text" value="0"/>	Thickness: <input type="text" value="0"/>
	
Materials	Materials
Categories: <input type="text" value="Kronospan\FANTASY decors"/>	Categories: <input type="text" value="TurboCAD Furniture Maker\Worktop"/>
Materials: <input type="text" value="8413_SM_Imeneo_Light"/>	Materials: <input type="text" value="WT amarella granite 28"/>
Luminances	Luminances
Categories: <input type="text"/>	Categories: <input type="text"/>
Luminances: <input type="text"/>	Luminances: <input type="text"/>
<input type="button" value="Close"/>	