



CAD PROJEKT K&A

Operation manual

# **Worktops and Cabinet trims**

CAD Kitchens 8.0, CAD Decor PRO 4.0

## INTRODUCTION

This manual provides instructions for creating and using strips and tops in the program. We hope you find it helpful in your work with our software.

**Best regards, CAD Projekt K&A team.**

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**The manual provides instructions and keyboard shortcuts for the previous 32-bit version of the program environment. The program now runs in a 64-bit environment. The commands and keyboard shortcuts may have changed as a result. Additionally, the program's interface has been updated.**

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# Typical worktops

## 1. Introductory remarks

When you select the icon  "Worktops" on the icon bar "Interior 1" launches the module for drawing typical worktops (Illustration 1).

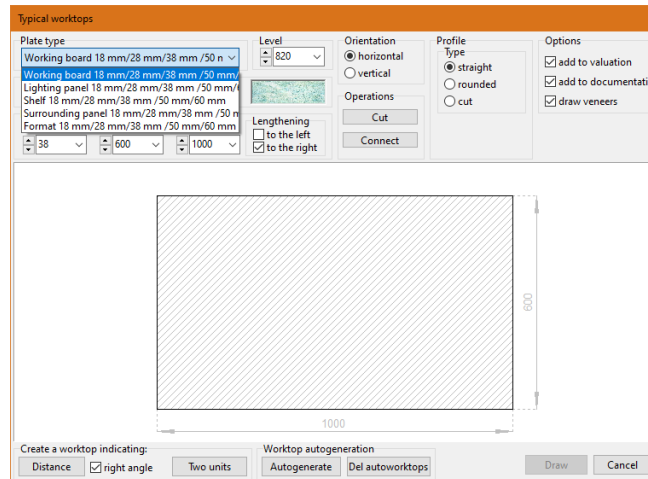


Illustration 1 - "Typical worktops" dialog box

If the module for drawing typical worktops has been started before the user has selected the base of cabinets or their color scheme, the "Available databases" window will open, and after indicating the base on which the design is to be based - the "Colouring change" window. The instructions for selecting a kitchen database are outlined in the manual for getting started with the programme and in the manual for kitchen cabinets.

This module is used for quick automatic generation of worktops on kitchen cabinets inserted into the project, as well as shelves and lighting panels (when working with the universal cabinet database) or other types of boards provided by kitchen furniture manufacturers. The drawing scheme for all panel elements is the same regardless of the type of element being drawn.

For selected manufacturer bases, there is an option for **automatic pricing of worktops**. In this case, in the window "Worktops" you will see an additional option "Plate color", allowing the user to freely choose the color of the worktop from among those available in the database (Illustration 2).

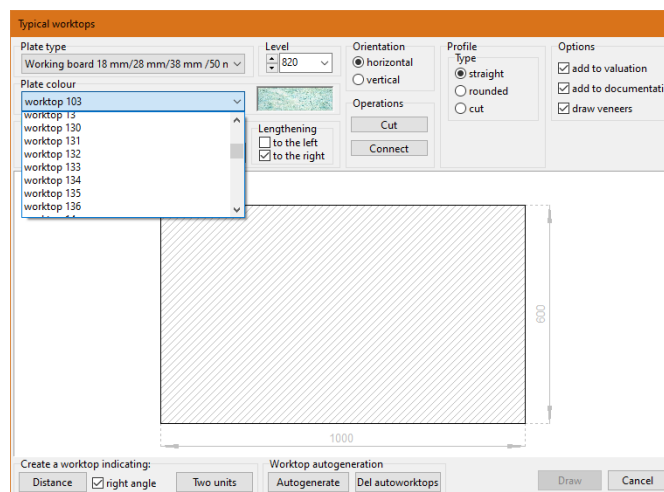



Illustration 2- "Tops" window for bases with automatic pricing

## 2. Drawing worktops using the "Autogeneration" function

To draw worktops in a project using the "Autogeneration" function, which causes worktops to appear on all surfaces that the program recognizes as suitable for it, you need to:

- after inserting the cabinets into the design, click the icon  "Worktops";
- in the newly opened window "Typical worktops" you can determine the thickness of the worktop to be inserted by entering its value in the corresponding edit field (Illustration 3);
- when inserting worktops on base cabinets, there is no need to adjust the insertion level, as it is already set as standard;
- click on the "Autogeneration" button at the bottom of the window,
- the system will automatically install worktops on all standing cabinets that are no more than 1700 mm in height.

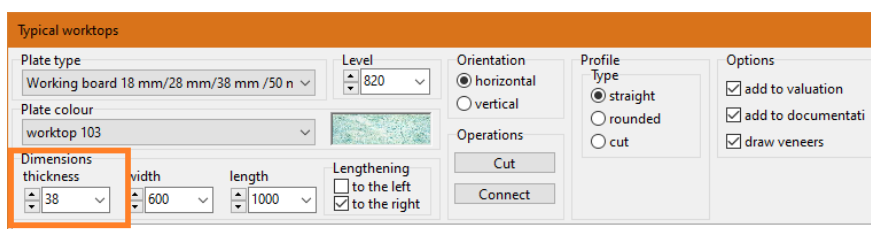



Illustration 3 - "Tops" window for bases with automatic pricing

Please note that if you edit the tops drawn with the 'Autogeneration' function, they will no longer be treated as automatic by the program. As a result, you will not be able to delete them using the 'Delete autoblates' function.

## 3. Drawing tops by indicating distances

This method is used, among other things, when the area to be covered by the worktop is not equal to the length of several full cabinets (for example, when there is a gap between the cabinets). The most suitable view for indicating the length of a worktop is a flat top projection. (Illustration 4). To draw a top using the "Distance" method:

- after inserting the cabinets into the design, click the icon  "Worktops";
- In the "Typical worktops" dialog box, click the "Distance" button.;
- then indicate with clicks the starting point (marked in the illustration 4 with the number 1) and the end point (2) of the worktop to be drawn;
- if necessary, in the dialog box "Typical worktops" correct the insertion level, thickness and other parameters of the worktop;
- then click the "Draw" button.

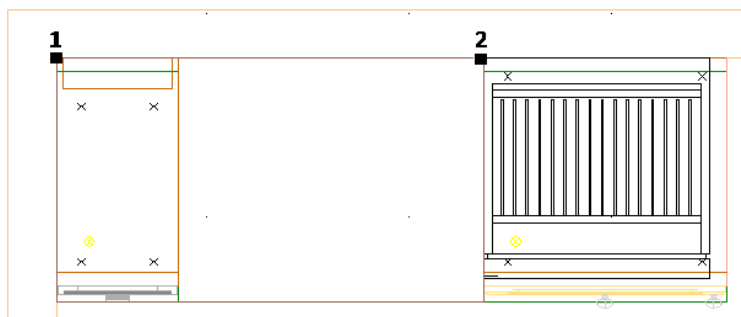



Illustration 4 Drawing the top by indicating the distance - top projection

## 4. Drawing worktops using the "Two units" method

This method can be used when the ends of the worktop lie on the extreme edges of the cabinets (Illustration 5). To do this, you need to:

- after inserting the cabinets into the design, click the icon  "Worktops";
- In the "Typical worktops" dialog box, click the "Two units" button;
- in the project, indicate with the cursor the edges of the first (marked in the Illustration 5 with the number 1) and the last cabinet in the sequence (2) on which (and between which) the worktop is to be inserted;
- if necessary, you can change the worktop parameters (e.g., insertion level, thickness) in the "Typical worktops" dialog box;
- then click the "Draw" button.

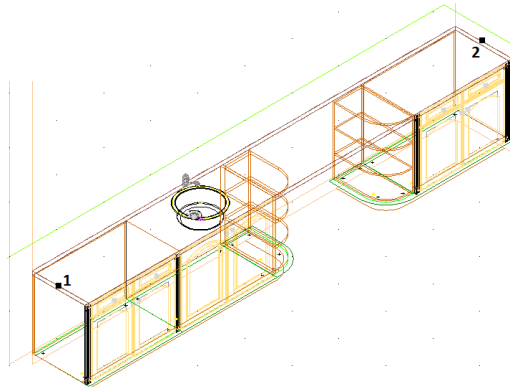


Illustration 5 Drawing tops using the "Two units" method

**Note: It is possible to exclude the cost of the custom worktop from the project valuation and documentation, especially if it is not available in the database. Note: To exclude the drawn worktop from project valuation and documentation, select the 'no valuation' or 'no documentation' option before generating it.**

## 5. Worktop operations

### 5.1. Lengthening

Typical tops can be lengthened in any direction. To do this, you need to:

- select the worktop to extend;
- in the "Typical worktops" window, select the side to which the top is to be extended (options: "to the left" or "to the right") (Illustration 6);

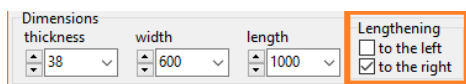


Illustration 6

- in the "length" field, use the buttons to adjust the size of the top to the desired one (Illustration 7);
- in the project you can see the process of changing the parameters of the edited worktop;
- when the required new tabletop length is obtained, click the "Draw" button.

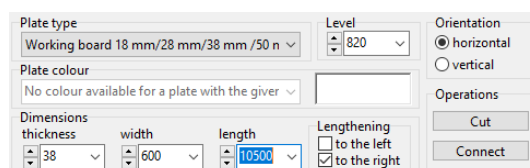


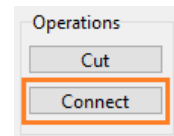
Illustration 7 Lengthening worktop

## 5.2. Connecting typical worktops

Worktops lying on one row of cabinets can be combined into a single worktop.

To join the worktops, follow these steps:

- indicate which tabletop requires editing;
- in the **"Typical worktops"** window, click the **"Connect"** button;
- indicate in the project with a click the worktop to be attached to the previously indicated;
- worktops will be connected.



## 5.3. Worktop cutting

In order to divide the tabletop into two sections it is necessary to:

- indicate the top to be divided and edit it;
- in the **"Typical worktops"** window, select the **"Cut"** option;
- the project shows a preview of the tops cut and a window where you can enter the length of one of the tops (Illustration 8);
- Approve the given value with **"OK"** button.

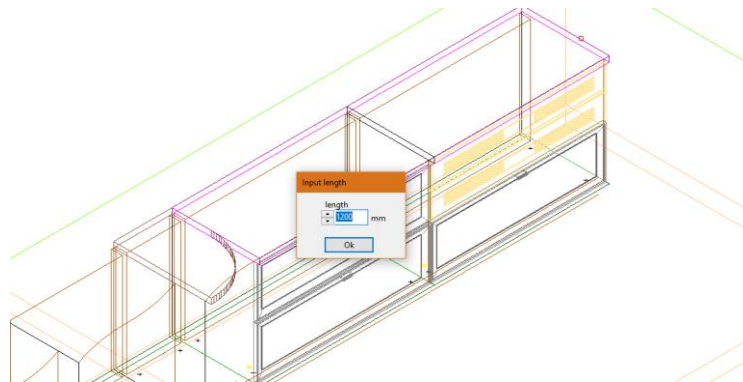
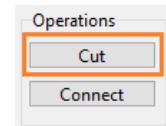


Illustration 8 Cutting of typical worktops - view in design

## 5.4. Editing the worktop corners

After calling **"Edit"** the tabletop, you can define each of its corners separately. To do this, you need to:

- in the window **"Typical worktops"** indicate the corner for which any of the available technical undercuts is to be defined (Illustration 9);

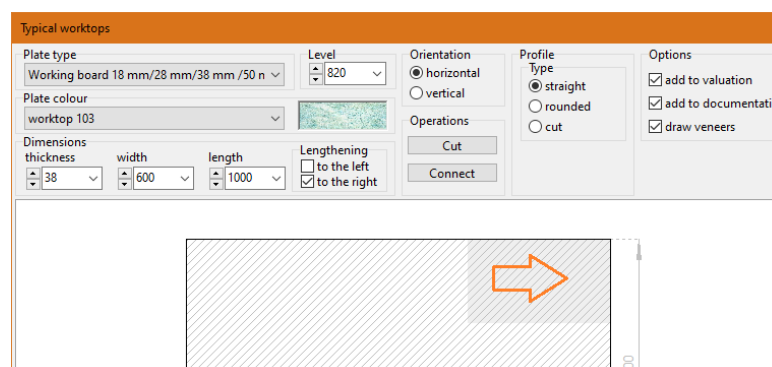


Illustration 9 Edit worktop corners

- there are 4 types of corner treatments are available: **simple, rounded cut and undercut**;
- after clicking on the corner, the user is taken to a window where he can choose the type of undercutting (Illustration 10);



- a detailed overview of the different types of corners is presented in the following subsections.

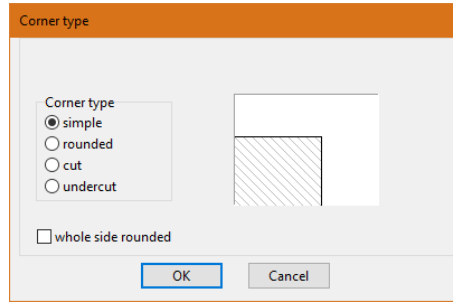


Illustration 10 Corner types

#### 5.4.1. Overview of corner types - rounded

To get the selected corner of the worktop rounded, you need to:

- edit the top, click on the corner and select the second type of corner in the list, that is "**rounded**";
- enter the value of the rounding radius in the appropriate edit box (Illustration 11);
- thanks to the preview, you can correct the rounding effect in real time until the right parameters are achieved;
- then click "**Ok**" to approve it, and next select the "**Draw**" button;
- this will round the corner of the worktop in the design.

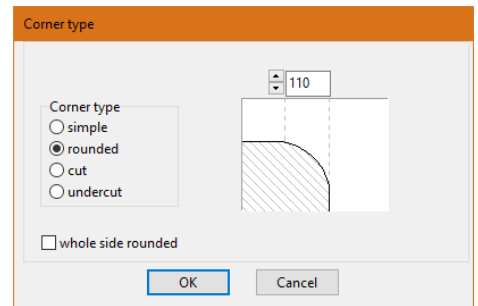


Illustration 11 Rounded corner

#### 5.4.2. Overview of corner types - rounded

To select the third type of corner ("**cut**") you should (Illustration 12):

- enter the cut values in the appropriate edit boxes (if you want both values to be equal, select „**x=y**”);
- thanks to the preview, you can correct the cutting effects in real time until the right parameters are achieved; then select "**OK**", and then "**Draw**".

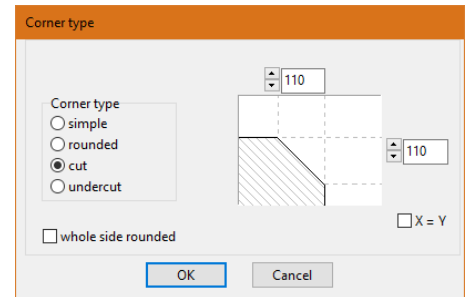


Illustration 12 Cut corner

#### 5.4.3. Overview of corner types - cut

To select the fourth type of corner, that is, "**undercut**" you need to (Illustration 13):

- enter the parameters of the undercut in the appropriate edit boxes (if you want both values to be equal, select „**x=y**”);
- thanks to the preview, you can correct undercutting effects until the desired shape is achieved;
- to approve, click the "**Ok**" button, and then "**Draw**".

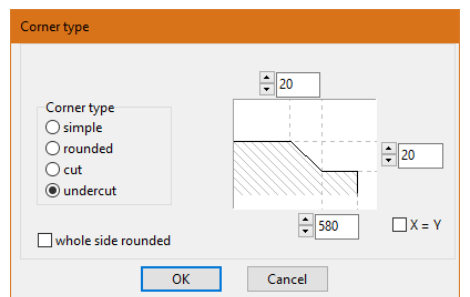


Illustration 13 Corner undercut

#### 5.4.4. Overview of corner types – whole side rounded

You need to:

- select the last type of corner processing, that is, "**whole side rounded**" (Illustration 14);
- thanks to the preview you can check the effect of rounding;
- if appropriate, click the "**OK**" button, and then "**Draw**".

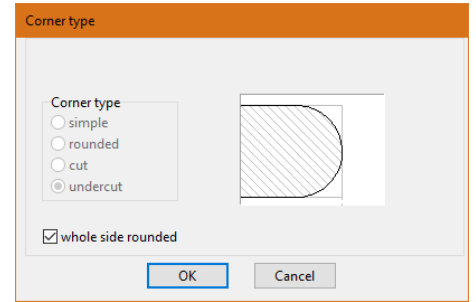


Illustration 14 Rounding the whole side

#### 5.5. Changing the dimensions of worktops

The "**Edit**" option also allows you to modify the dimensions of the worktop at will. If you exceed the sizes provided by the manufacturer, you will be informed by the following message (Illustration 15). This situation will make it impossible to select a worktop color and price it (note: option available only for selected bases with automatic worktop pricing).

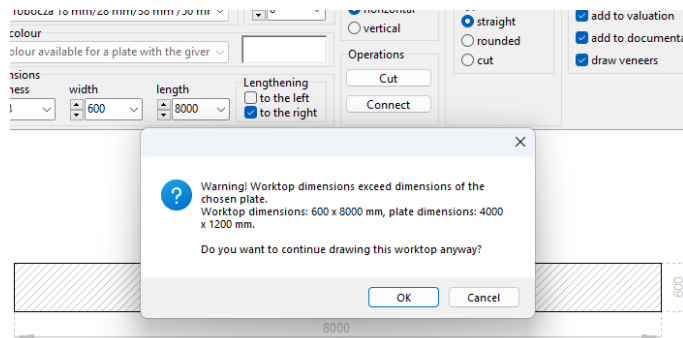




Illustration 15 Notification of exceeding the specified worktop dimensions


# Untypical worktops

## 1. Introductory remarks

Users of the program create worktops of any shape, and their drawing skills determine the appearance. Drawing any untypical worktop starts with drawing the path that will serve as its profile. The path is best drawn in a top view, so before drawing the polyline, select the flat top view, indicated by the icon . After drawing the profile, select the **"Untypical Worktops"** icon  and indicate the inside of the worktop outline with a click. If the freehand worktop drawing module is started before the user selects a cabinet base or color scheme, the **"Available databases"** window will open, and after indicating the base on which the design is to be based - the **"Colouring change"** window. The procedure for selecting a database is described in the instruction, "Starting to work with the program" and the instruction for kitchen cabinets.

## 2. Drawing a path for untypical worktops


To draw a path for non-standard worktops:

- select the icon  **"Polyline"** ;
- click at the point where you want to start drawing a path;
- select any of the basic commands necessary during this operation:
  - A+ENTER** – drawing an arc, based on 2 points (initial and final);
  - S+ENTER** - drawing an arc, based on 3 points (initial, middle and final) (available only in arc drawing mode);
  - L+ENTER** – drawing a straight line;
  - U+ENTER** – undoing the last action;

These commands can be combined to create a worktop profile of any unusual shape.

**Ensure that the path is a closed profile by connecting its end with the beginning. Avoid clicking multiple times on a single point. Straight sections should not have intermediate points.**

## 3. Drawing a path for untypical worktops step by step:

First, select the polyline drawing function - under the icon  :

- the following illustration shows the path drawing for a untypical worktop (Illustration 16);
  - Point 1 - the starting point of the path,
  - Points 1 - 2 - drawing a line (L +ENTER),
  - Points 2 - 4 - drawing an arc (A +ENTER - 2, S +ENTER - 3, end of arc - 4),
  - Points 4 - 5 - drawing a line (L +ENTER),
  - Points 5 - 7 - drawing an arc (A +ENTER - 5, S +ENTER - 6, end of arc - 7),
  - Point 7 - the end point of the path (which is in the same place as the starting point 1).
- from the outline prepared in this way, you can generate a untypical worktop.

Other drawing tools can also be used to create templates for untypical worktops, bearing in mind that they must always be closed figures.

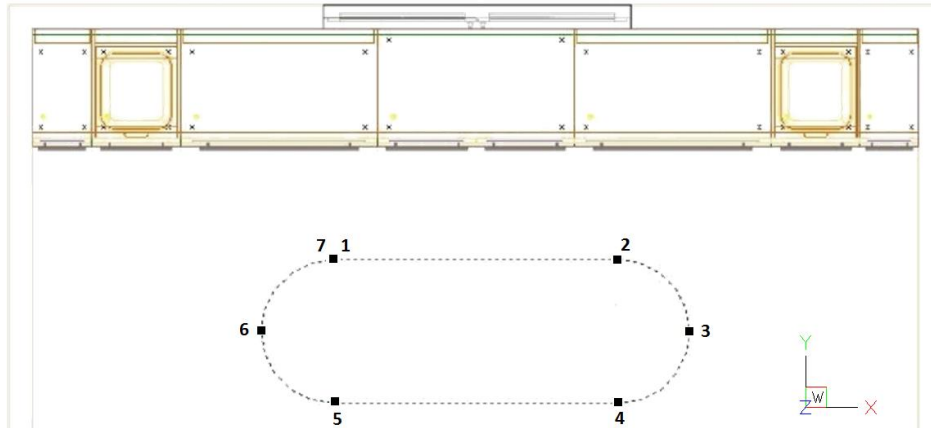



Illustration 16 Drawing a path for untypical worktops- view in design

Note that the outline of the countertop can be drawn using lines and arcs that are not necessarily connected in a path. It is important to ensure that the points connect with each other. When referring to the tabletop skeleton, indicate the entire area rather than just the lines that make it up.

#### 4. Drawing untypical worktops

- after drawing the path for the worktop according to the instructions in point 3, select the icon "Untypical worktops." ;
- then point to the drawn worktop template with a left-click;
- the " Untypical worktops." window will open with the path for the top already loaded (Illustration 17).

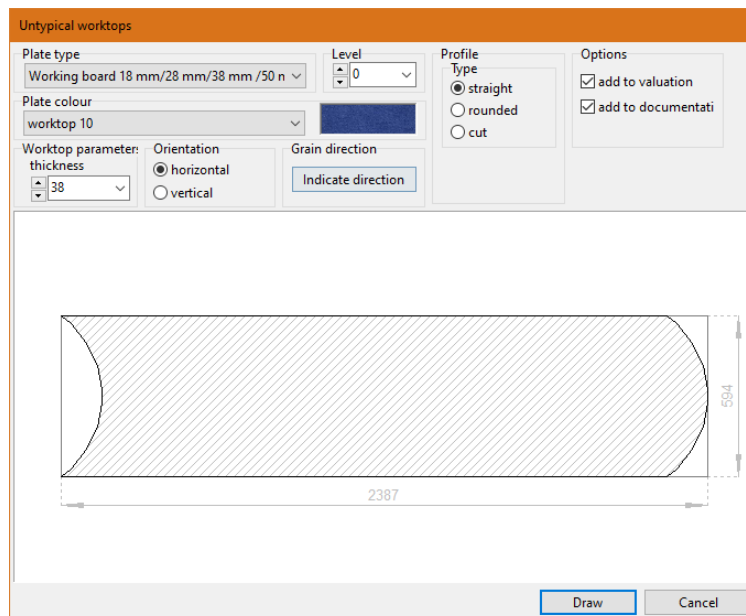
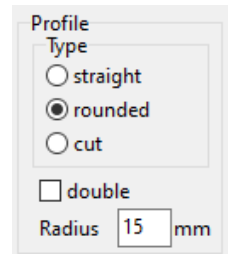
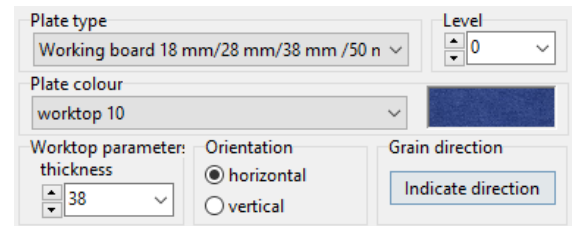


Illustration 17 Window "Untypical worktops"

## 5. Additional information for the tabletop

- you can specify the thickness and insertion level of the non-standard worktop in the fields "**Worktop Parameters**";
- it is possible to determine the direction of the grain of the furniture board from which the worktop will be cut: press the "**Indicate direction**" button and set the grain axis accordingly on the drawing;
- so that the drawn worktop is not included in the valuation of the project (among other things, when using worktops to draw custom elements that do not exist in the database) - before generating the worktop should be deselected option "**add to valuation**";
- "**Profile**" tab - the edge of the worktop can be finished with one of two types of profiles - indicate the profile type ("**rounded**"/"**cut**") and parameters ("**radius**" or "**cut**") when drawing or editing the worktop, so that the worktop is drawn with the edge;
- After entering the necessary information, click "**Draw**".



## 6. Drawing the edges

Edging can be drawn for both typical and non-standard worktops. Both cases are governed by the same laws, except that the edging can be drawn on finished worktops (while editing) or while preparing them for insertion:

- in the window designed for creating and editing worktops, indicate the edges to which you want to apply a dovetail;
- in the upper part of the window, define the type of profile ("**cut**"/"**rounded**" + "**radius of rounding**") and then confirm with the "**Draw**" button (Illustration 18).

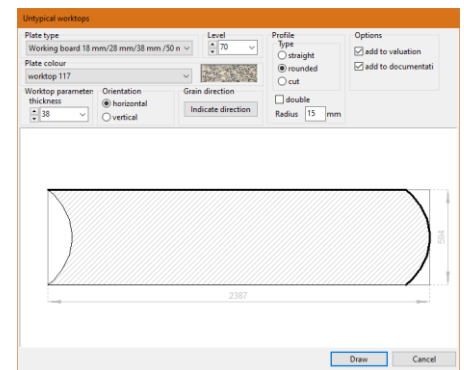


Illustration 18 Edging - editing and schematic view in the editing window

**To avoid drawing a veneer on a previously indicated edge, deselect it by clicking the mouse cursor before drawing the veneer.**

Illustration 19 shows the settings for the edging of a non-standard worktop in the worktop editing window. In turn, below you can see a graphical representation of the edging in the .ACAD environment and its appearance in the visualization (Illustration 19).

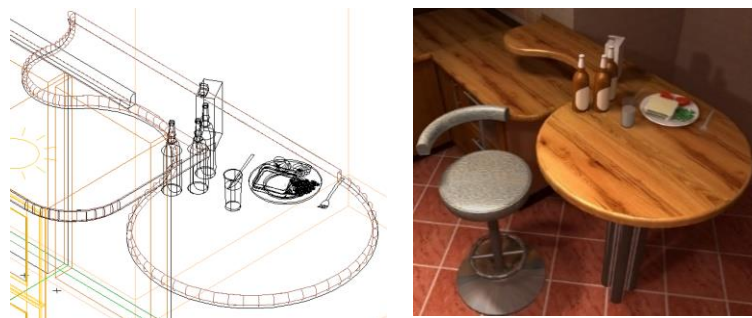



Illustration 19 Left: view of edging in .ACAD environment; Right: view of edging in visualization

# Edit documentation for worktops

## 1. Introductory remarks

After selecting the icon  "Documentation for worktops" window opens "Worktops documentation edition" (Illustration 20). This function allows you to create and edit technical drawings drawn in the design of worktops, which can then be included in the overall technical documentation of the project.

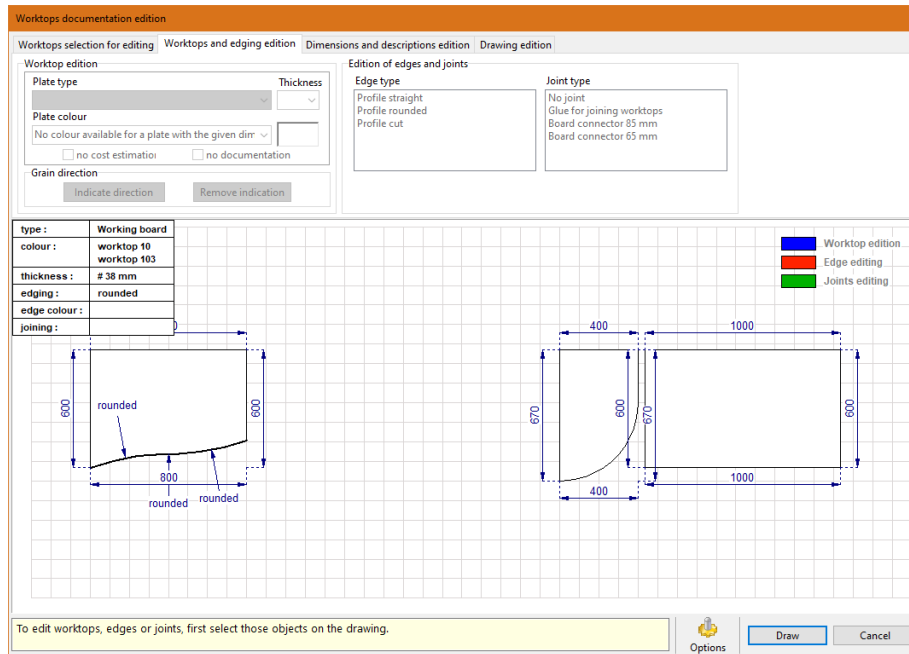


Illustration 20 Appearance of the "Worktops documentation edition" window for the manufacturer base with automatic worktop pricing available

For selected manufacturer bases, the number of options available in the "Worktops documentation edition" window varies (Illustration 21). For base manufacturers in which automatic pricing of worktops is not available, the option "Plate color" is not available.

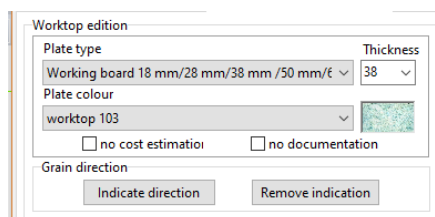


Illustration 21 Base with the possibility of automatic pricing of worktops -possibility to choose the color of the worktop

The worktop selected for preview is displayed as follows:

- the **worktop outline** is visible on a grid background. Each grid square measures 100mm in width and height;
- the tabletop appears white when **unselected**, but when selected by clicking the left mouse button, a dark blue diagonal grid is displayed;
- the marked edges of the tops are displayed in red, and the joints between the tops are marked in green (Illustration 22).

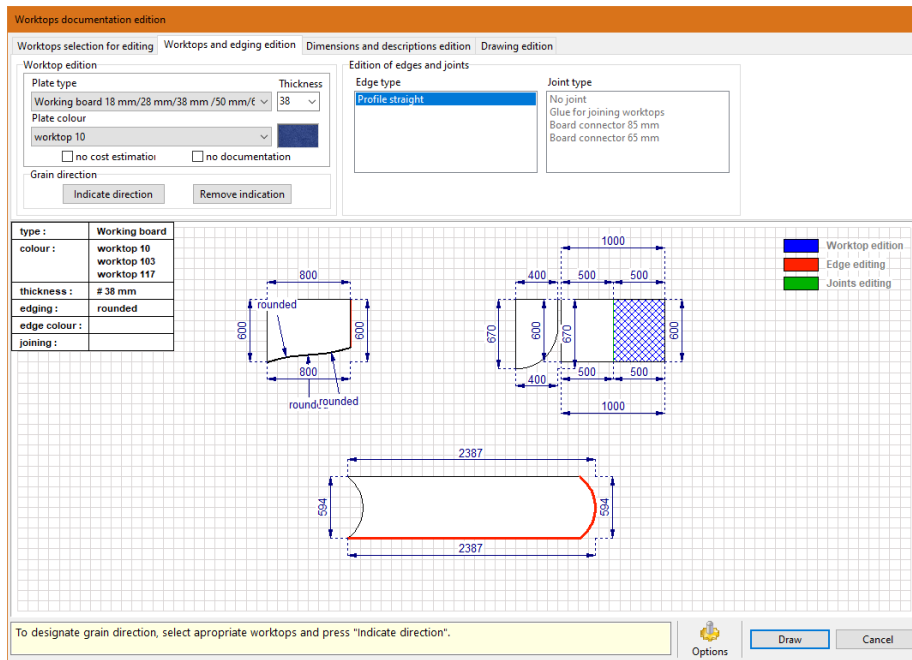


Illustration 22 Worktop editor" window - preview of worktops, edges and joints

Thanks to the " **Worktops documentation edition**" module, the user is able to perform the operations described in the following subsections.

## 2. Tab „Worktops selection for editing”

Thanks to the " **Worktops selection of editing**" tab, the user can sort the tops according to their arrangement (by selecting **horizontal worktops** or **vertical and oblique worktops** for preview). It is also possible to filter the tops in terms of the level at which they are located (option " **Filter by height**" Illustration 23).

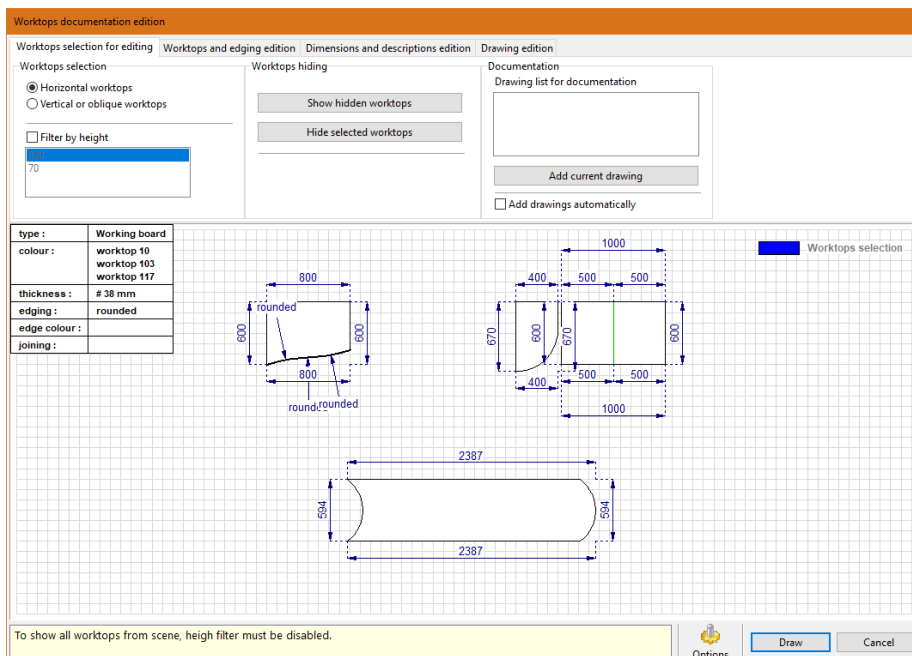


Illustration 23 Sorting by level of insertion of worktops disabled - all worktops in the project visible

You can also hide any worktops after selecting them (" **Hide selected worktops**" button) or restore them (" **Show hidden worktops**" button) in the " **Worktops hiding**" tab. The window also includes a function for adding or deleting drawings of worktops to be included in the technical documentation of the project. Thus, the user has the ability to post any number of drawings of selected worktops to the " **Drawing list for documentation**".

To have each new worktop drawing automatically added to the list on the "Documentation" panel, check the "Add drawings automatically" option.

When a drawing of a new tabletop configuration appears after applying another filter, the "Documentation" panel will automatically display the "Add current drawing" button. When it is clicked, the next drawing will be added to the list (Illustration 24).

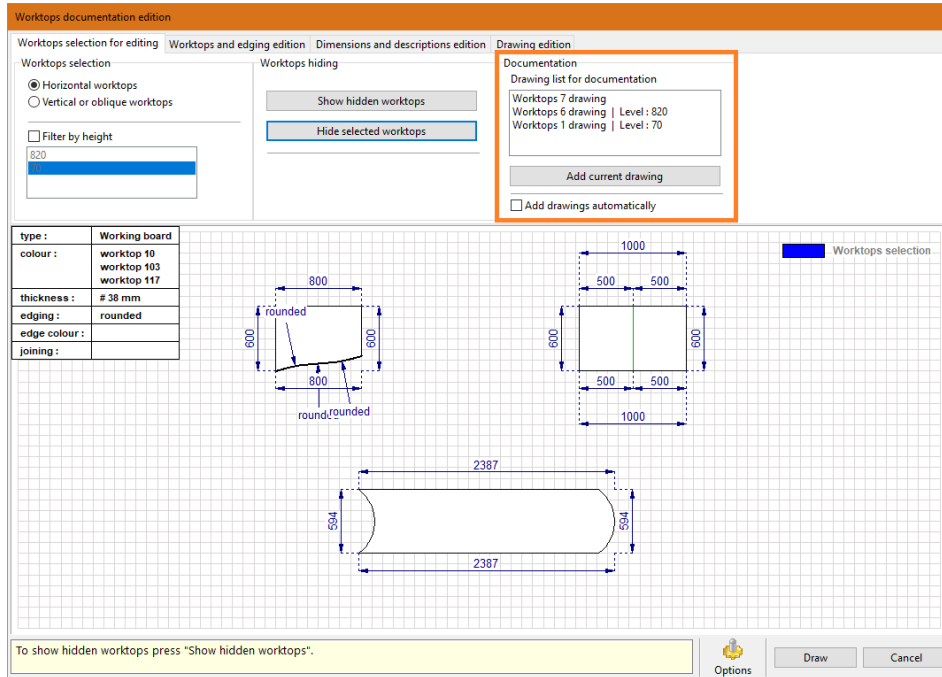


Illustration 24 Adding a new drawing to the list

Deleting a drawing is possible by indicating the drawing to be deleted and clicking on the "Remove current drawing" button, which automatically appears in place of the "Add..." button when the current drawing is added to the list (Illustration 25).

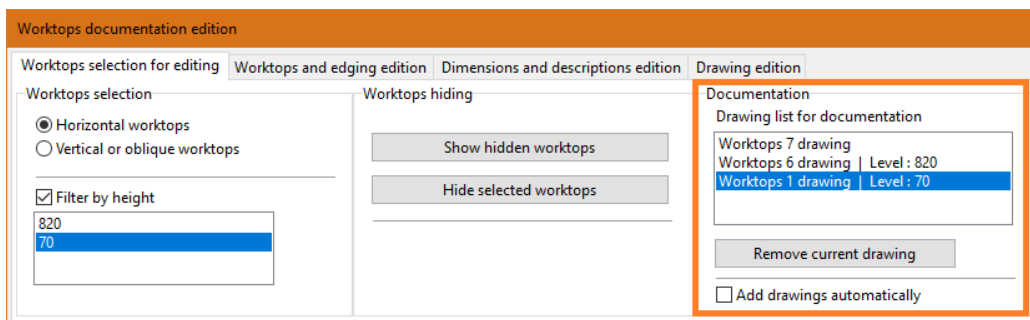


Illustration 25 Removing a drawing from the list

### 3. Tab „Worktops and edging edition”

This tab allows you to edit the worktops themselves, as well as their edges and the joints between them (Illustration 26). The "Worktop edition" box allows you to select the type of board from which the worktop is to be made and to set its thickness. In the same place there is an option to exclude the worktop from the quote or documentation (Illustration 27).



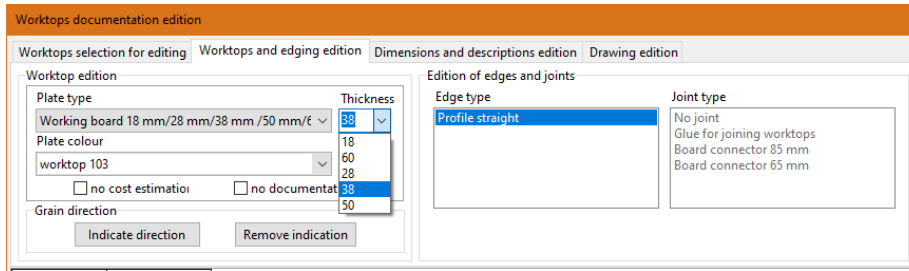


Illustration 26 Edit tops and edges" tab - selection of the board and its thickness

In addition, for selected manufacturer bases there is an option to select the color of the worktop (Illustration 28). If the selected worktop length exceeds the permissible dimensions set by the manufacturer, the user will be informed of this in a message in the deactivated field "Plate Colour." (Illustration 29).

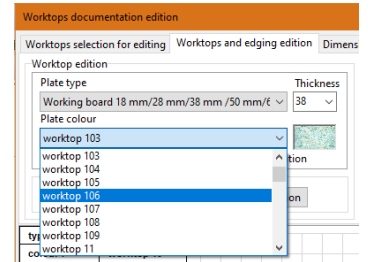


Illustration 27 Active tab "Plate color

The "Edge type" option in the "Edition of edges and joints" field allows you to select any edge - with straight, rounded and cut or laminates. Depending on the selection, the program will adjust the edge of the worktop, and the effect will be visible when you go to the visualization. At the drawing level, the selected edge will be described accordingly (Illustration 30).

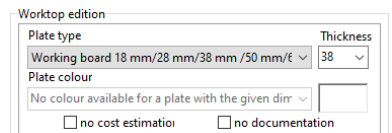


Illustration 28 Message "no color available for plate of given dimensions".

The "Joint type" option allows you to modify the way the tops are connected. The worktops can be connected in many ways - for example, by using a connecting screw, or by using a slotted or angled aluminum Cornice or others.

Different types of joints available depending on the base. When a bolt is used, the drawing will show its assigned symbol graphic (Illustration 31), while if a Cornice is selected, the joint will be described by arrow with verbal description (Illustration 32). If there is no merging, the place of merging will be marked with green line.

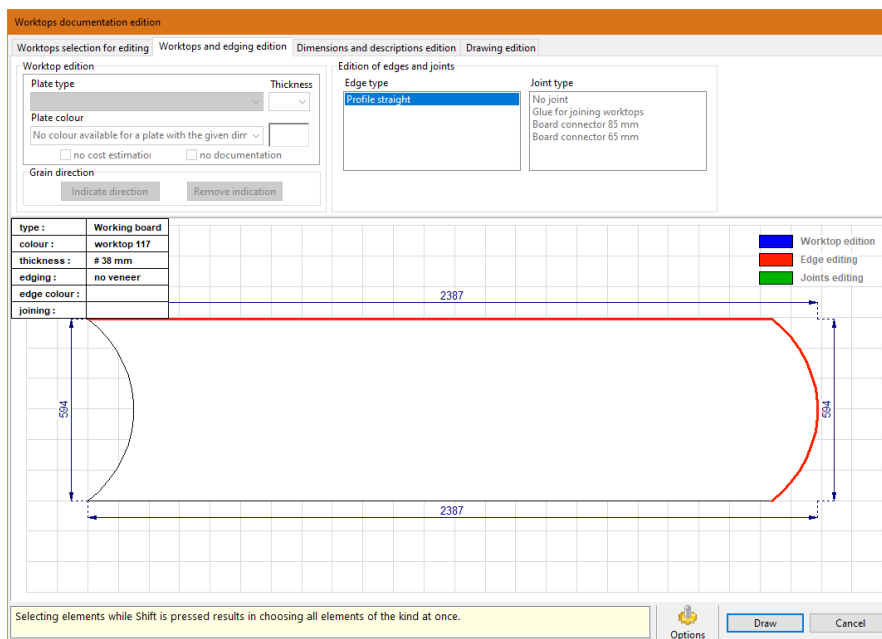


Illustration 29 Edge selection

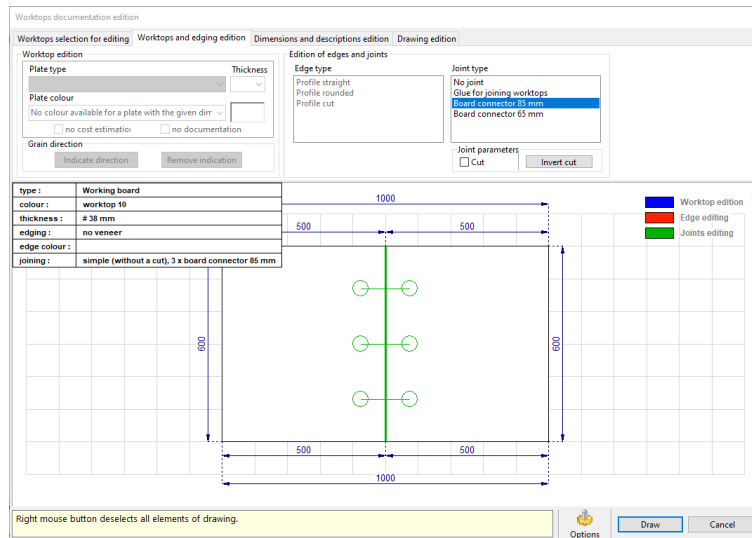


Illustration 30 Selection of joints - example 1

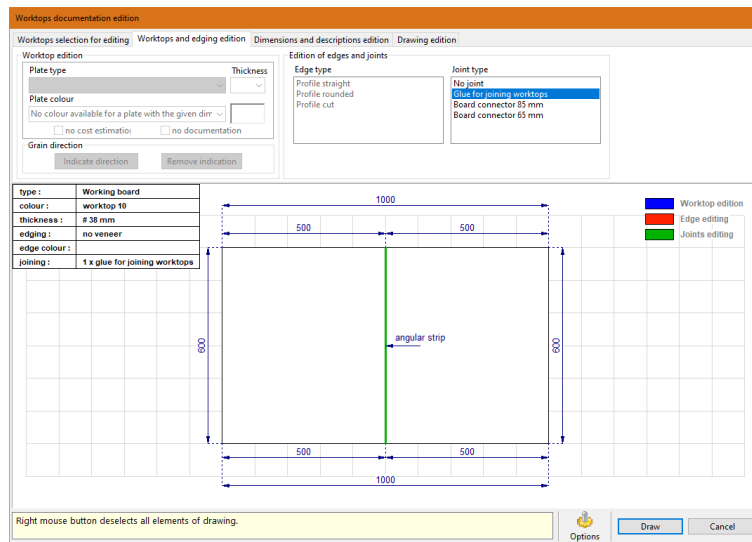


Illustration 31 Selection of joints - example 2.

The " Worktops and edging edition" tab also allows you to mark the grain direction of the worktop panel (Illustration 33).

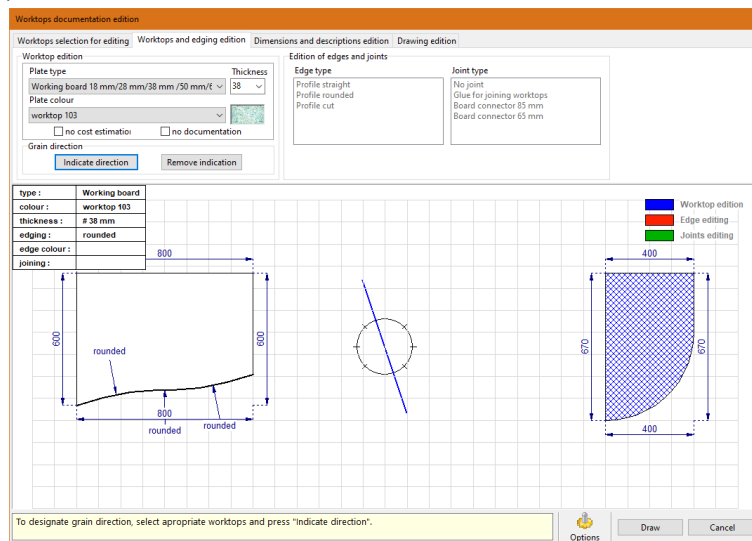



Illustration 32 Marking the direction of the tabletop grain

In order to plot the direction of the grain of the worktop panel, you need to:

- select the desired worktop (or worktops) with a click and select the **"Indicate direction"** button;
- set the direction using the compass (Illustration 33) and then confirm it by clicking the left mouse button again;
- on selected worktops will appear a grain symbol, that is, **triple wavy line**, the positioning of which (horizontal, diagonal or vertical) indicates the direction of the run of the grain.

#### 4. Tab „Dimensions and descriptions edition”

In this tab you can customize the technical description of the drawing - change the descriptive font, placement and number of dimensions. Selected by left-clicking **dimension** is displayed as **bold dark blue line**, while selected **description** is displayed in red. If a single dimension is selected - you can change the description or move it. After selecting descriptions, you can change their appearance (options: **arrow + text**, **arrow** or **no description**). After selecting the icon  in the **"Dimensions edition"** or **"Descriptions edition"** box, you can change the type, style and size of the **font**, **additional effects** (bold, underline) and **color** of the dimensions and descriptions (Illustration 34).

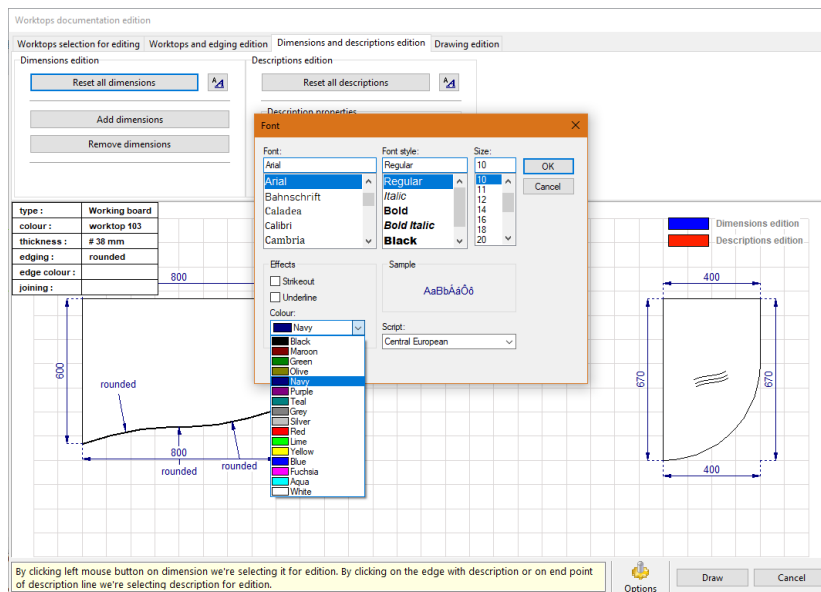


Illustration 33 Edition of dimensions and descriptions - choice of font and color of description

#### 5. Tab „Drawing edition”

The last tab of the **"Worktops documentation edition"** window allows you to modify the appearance of the worktop drawing in the documentation. The user can choose between different **margin ranges**, **changing the background** (displaying auxiliary lines or hiding them, and adjusting the size of the subdivision unit), and the way of **filling the tops** (hatching or any color) (Illustration 34 and 35). This tab also allows you to **edit a table**, which contains basic information about the drawn worktops (type, color and thickness of the worktop, type and color of edging, and joining). The table can be placed in the upper left corner (Illustration 34) or as a bar at the top of the drawing (Illustration 35).

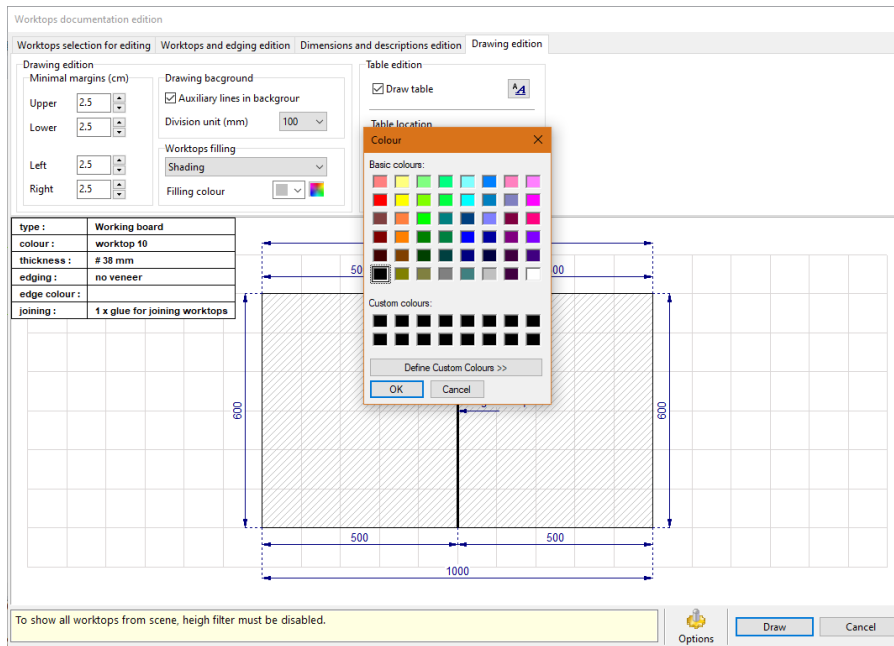


Illustration 34 Options of the "Edit drawing" tab - changing the hatch color

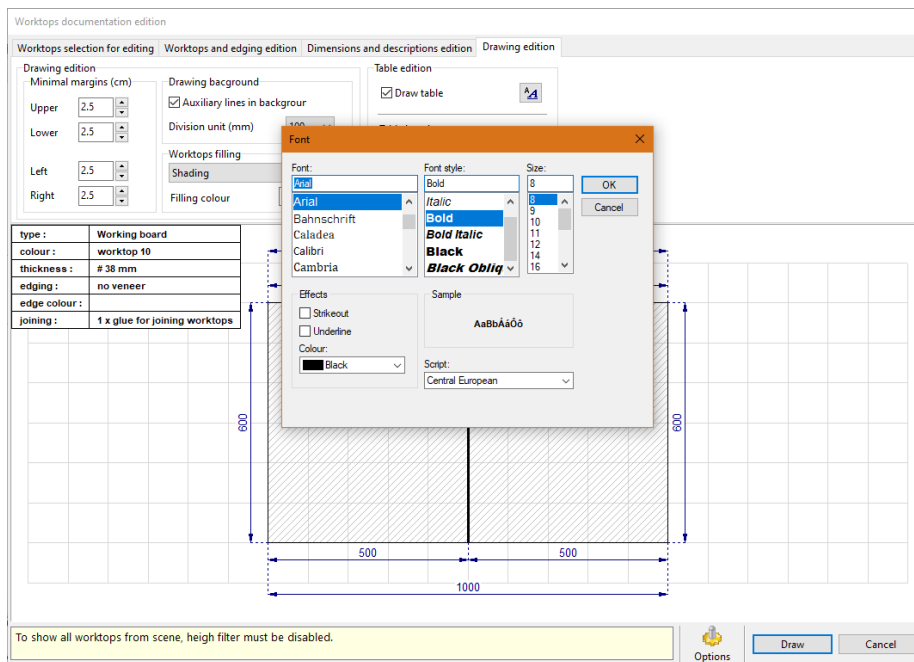



Illustration 35 Options of the "Edit drawing" tab - changing the position and size of the font

## 6. Additional options of the "Worktop Documentation Edition"

After clicking on the icon  "Options" window will be displayed, allowing you to customize additional settings for worktop documentation. In the case of manufacturer bases, it is possible to set parameter pricing for worktops and accessories. If the base used in a given project does not allow for automatic pricing, an appropriate message will be displayed and these options will remain inactive (Illustration 36).

In the "Worktops options" window, you can adjust the **drawing parameters** (taking into account jams when dimensioning and the display of angle, bevel and dovetail descriptions) and the **interface parameters** (displaying a tooltip bar at the bottom of the "Worktops documentation edition" window).

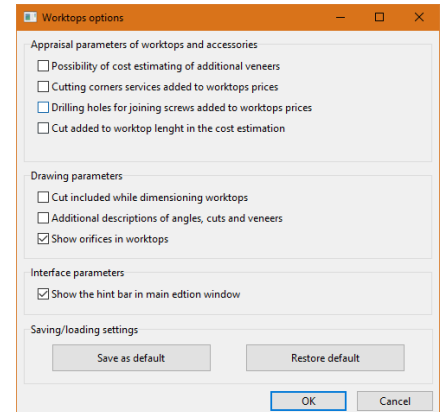



Illustration 36 Worktop options" window

## 7. Completing your work with the "Worktop documentation edition"

When finishing work with the module "Worktops documentation edition", click the "Draw" button so that the drawings created are saved and can be used in the project's technical documentation ([new Documentation does not support drawings from "Worktops Edition"!](#)). If "Cancel" is selected, the user's settings will not be saved.

# Drawing cabinets trim

## 1. Introductory remarks

Icon  "**Cabinets trims**" allows you to put a striking finishing touch on your kitchen design. In the program, it is possible to choose from top, bottom and wall cornices, as well as plinths, dockings, rails, aluminum plinths and user profiles.

## 2. Drawing trims based on the "Autogeneration" function

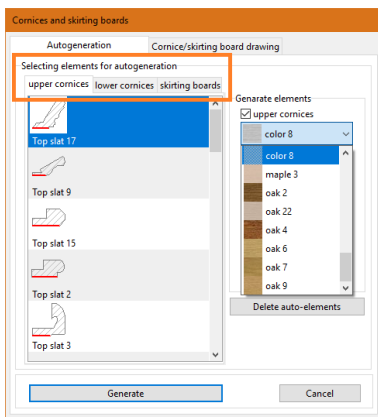



Illustration 38 Choosing an autogeneration Cornice

Autogeneration of the top, bottom and wall cornice is based on already inserted cabinets, worktops and lighting panels. To apply them in this fast way, you need to:

- open the "**Cornice and skirting boards**" window using the icon ;
  - In the right panel of the window (Illustration 37), select the types of cornice to be drawn;
  - if all types are selected, all tabs on the left side of the window with profiles intended for the corresponding types will also be available (Illustration 39);
  - in the individual tabs ("**upper Cornice**", "**lower Cornice**", "**skirting boards**"), select profiles for each type of trim, and then click the "**Generate**" button.
- Cornices are automatically spread over all cabinets.

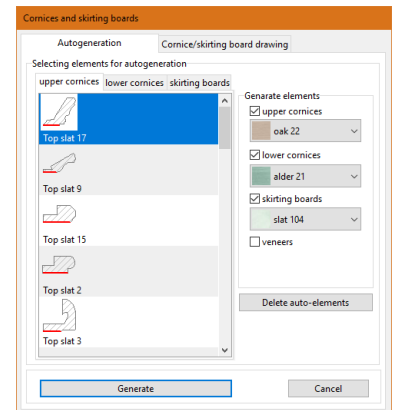



Illustration 37 Dialog box - Cornice and skirting boards

Please note that auto-drawn cornices can be removed by using the 'Delete auto-elements' button. Alternatively, you can edit them by changing their profiles, but doing so will remove their auto-generated status.

## 3. Manual creation of cabinets trim

To insert a hand-drawn cornices into a project, you must first draw a path (polyline) along which a specific profile will be embedded.

In order to draw a polyline, you need to:

- Prepare the drawing so that the elements obscuring the view are hidden,. In the case of upper cornices, so that the fronts are removed from the cabinets;
- To do this, click on the icon  "**Visibility**" from the "**Interiors 1**" bar, and then in the "**Layer Hider**" window, select the "**Fronts**" button from the options (Illustration 40);
- then set the appropriate axonometric view in which drawing polylines is most convenient;
- in the next step, select the icon "**Polyline**" and then outline all the cabinets one by one by left-clicking on each kink in the sequence of cabinets (Illustration 283) [In the illustration 40 below, point 1 is the starting point of the drawn path, the following points (2, 3, 4, 5) are the break points of the sequence of cabinets, point 6 is the end point of the polyline];

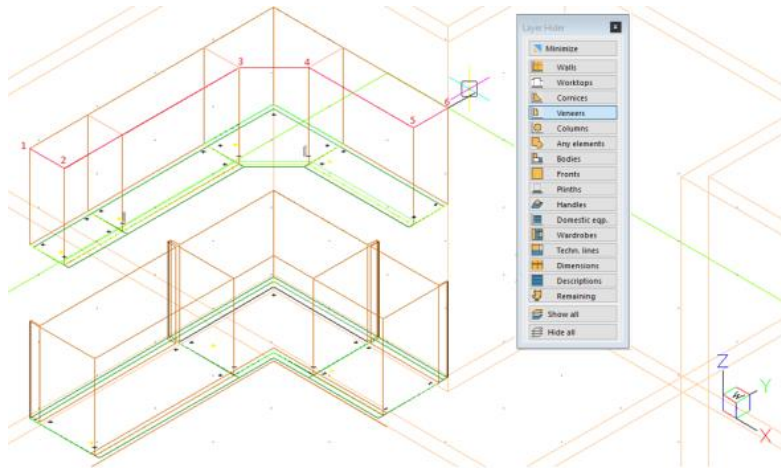



Illustration 39 Outlining the cabinets with a path

- then go to the "Cabinets trim" window by selecting the icon , and there to the " Cornice/skirting boards drawing " tab;
- from the drop-down list of types, select the appropriate one (selecting one of the types, e.g., upper cornice, causes filtering of the profiles available for this type); indicate the selected cornice profile;
- click the "From a polyline" button located in the lower left corner of the window ( Illustration 41);
- indicate with a click the path previously drawn on the cabinets for the cornice, and select the "Draw" button;
- the cornice with the indicated path and the selected profile will be drawn in the project (Illustration 42).

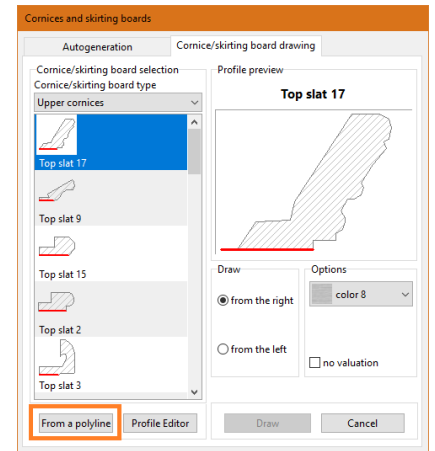


Illustration 40 Window " Cornice and skirting boards" - option "From polyline"

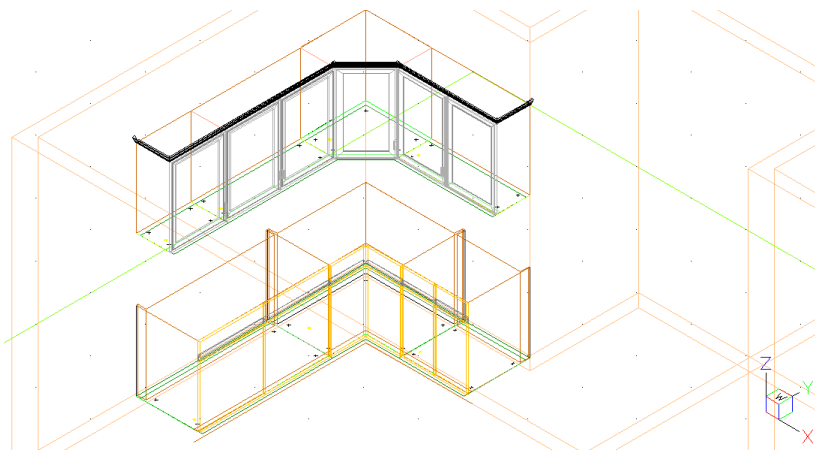


Illustration 41 Drawing based on the path of the top cornice

#### 4. Drawing user profiles

The "Profile Editor" function allows the user to create cornice, with a custom profile and add them to the base. Creating a custom cornice profile using the editor requires that the profile shape be drawn in advance using polylines (Illustration 43).

The profile is drawn using alternating commands: **[A + Enter]** (draw an arc), **[S + Enter]** (draw an arc with a centre point) and **[L + Enter]** (return to straight line drawing mode). The shape of the drawn profile can be modified, after selecting it with a click, by dragging the green pointy.

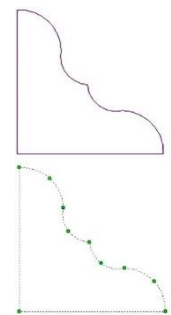


Illustration 42 Drawn profile for the cornice

And then :

- in the " **Cornice and skirting boards** " window, select the "**Cornice/skirting boards drawing**" tab, where you should select the "**Profile Editor**" button (Illustration 44);
- select the "**From a path**" button (Illustration 45);
- point to a previously drawn polyline with a left-click;
- the Command Bar will prompt you to indicate the contact point of the cornice - click again on the profile where it should contact the cabinet or wall;
- now the profile is ready to be added to the list of user profiles - at this point you can change its name or set the length of the sections in which it will be priced (the default is 1000 mm);
- then click the "**Add profile<<**" button (Illustration 46);

The profile, once added, can be edited to change the point of contact (highlighted in red in the preview on the right side of the window) - "**Change Point**" button or deleted.

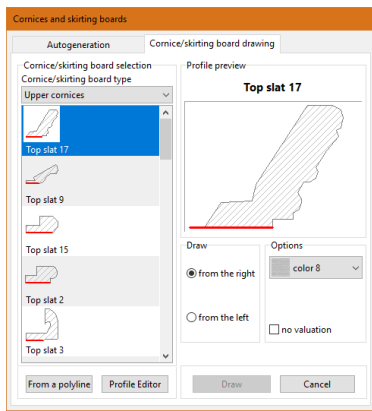


Illustration 43 Transition to the profile editor

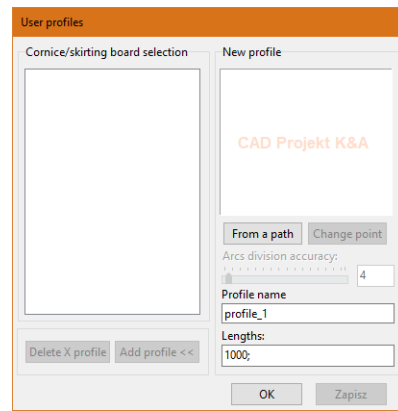


Illustration 44 Indication of the path for the profile

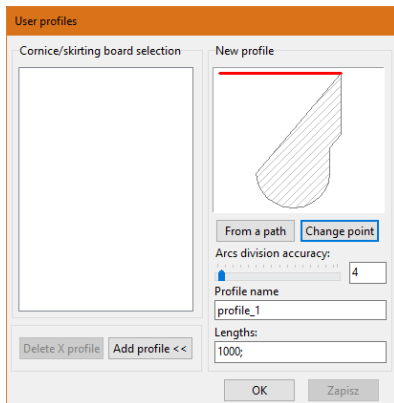


Illustration 45 Adding a profile

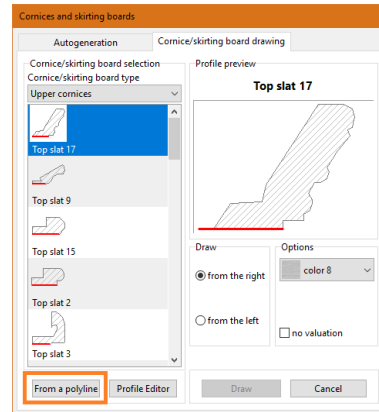


Illustration 46 Added profile



# Additional information

## 1. Instructional videos

- Playlist, Kitchen Cabinets | Worktops | Mouldings | Stucco."
- Vertical worktop in the kitchen development
- Non-standard worktops and platform with profiled edges
- Creating the base of decorative moldings
- Drawing decorative mouldings on slanted walls

## 2. Shortcuts and commands

The document compares keyboard shortcuts in the .4CAD and visualization environments and lists the most frequently used commands in versions up to 3.Xi/7.X and version 4.X/8.X (both 34 and 64 bit versions of the environment). Find the document at: <https://www.cadprojekt.com.pl/zasoby/pdf/opisy-techniczne/shortcuts-4-0-8-0-eng.pdf>

This document provides an overview of keyboard shortcuts and commonly used commands in the .4CAD environment for visualization. The shortcuts and commands can be issued using either the mouse or keyboard. It can be accessed at: <https://www.cadprojekt.com.pl/zasoby/pdf/opisy-techniczne/shortcuts-4-0-8-0-64bit-eng.pdf>

In the above list, LPM and RMB stand for left and right mouse buttons, respectively. A command notation with a + sign (e.g. [Ctrl] + [Z]) indicates that both keys should be pressed simultaneously, while a notation with a >> symbol (e.g. [E] >> [Enter] or [Space]) means that you should first type E and then press [Enter] or the space

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We would like to inform you that we provide training in the use of our programs. For more information, please visit our website: <https://www.en.cadprojekt.com.pl/trainings/>

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