

# woodWOP<sup>9</sup>

## Focused on focus.

The CNC programming system from HOMAG

smarter

faster

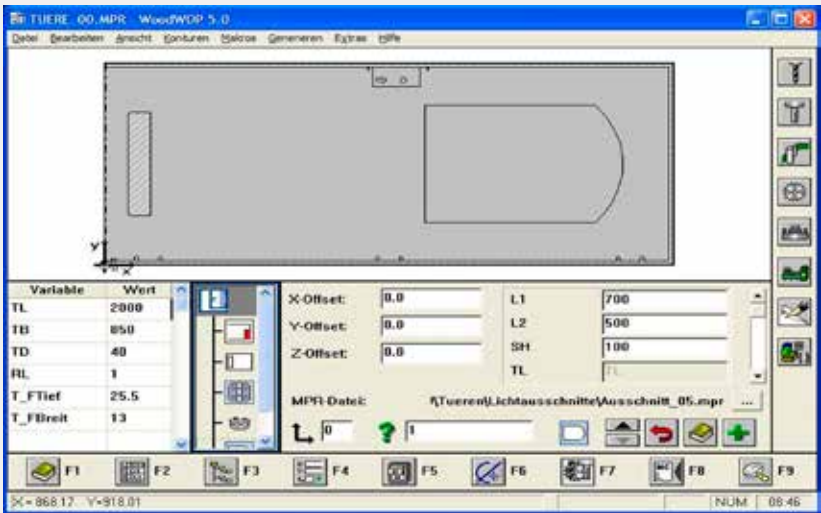
easier

The woodWOP success story began more than 35 years ago. The basic principle of woodWOP has not changed to this day. In the latest version woodWOP 9.0, HOMAG offers users a large number of new functions and endless possibilities.

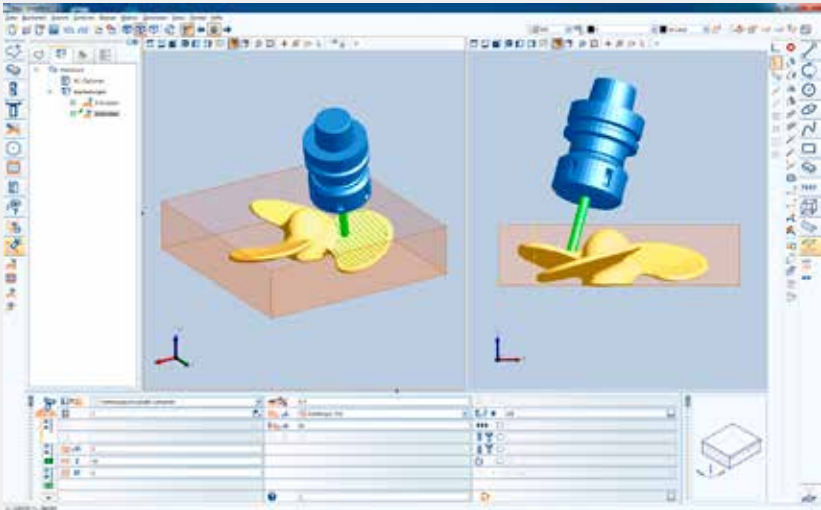
|      |             |                                                                                      |
|------|-------------|--------------------------------------------------------------------------------------|
| 1991 | woodWOP 1   | Premiere at LIGNA 1991:<br>First workpiece-oriented programming in the wood industry |
| 1994 | woodWOP 2.5 | First version under MS-DOS for work preparation workstations                         |
| 1997 | woodWOP 4.0 | First Windows version with unlimited number of contour elements                      |
| 2002 | woodWOP 5.0 | Wizard technology for edge processing programming                                    |
| 2009 | woodWOP 6.0 | 3-dimensional representation of workpiece, tool and clamping device                  |
| 2012 | woodWOP 6.1 | CAD functions                                                                        |
| 2015 | woodWOP 7.0 | CAM plugin for 5-axis programming                                                    |
| 2017 | woodWOP 7.1 | Feature detection                                                                    |
| 2019 | woodWOP 7.2 | Extension routing macros, 3D Model Wizard                                            |
| 2021 | woodWOP 8.0 | New wizard, contour templates, Formula Wizard, MPRXE exchange format                 |
| 2023 | woodWOP 8.1 | Nesting plugin, extensions block macros                                              |
| 2025 | woodWOP 9.0 | New design, favorites mode, drag & drop of macros and contours                       |



1991 woodWOP 1.0



2002 woodWOP 5.0



2015 woodWOP 7.0

# woodWOP 9.0

## The CNC programming system from HOMAG

woodWOP is the CNC programming system from HOMAG. The centerpiece of the innovative user interface is the large graphic area in which the workpiece is displayed three-dimensionally. Routing, drilling or saw cuts are programmed quickly and easily by entering the processing parameters and displayed realistically in the graphic. This guarantees maximum programming reliability and constant control during program creation.

### HOMAG.COM



Free download of woodWOP components

### FORUM.HOMAG.COM



The world' s largest forum on the subject of woodWOP

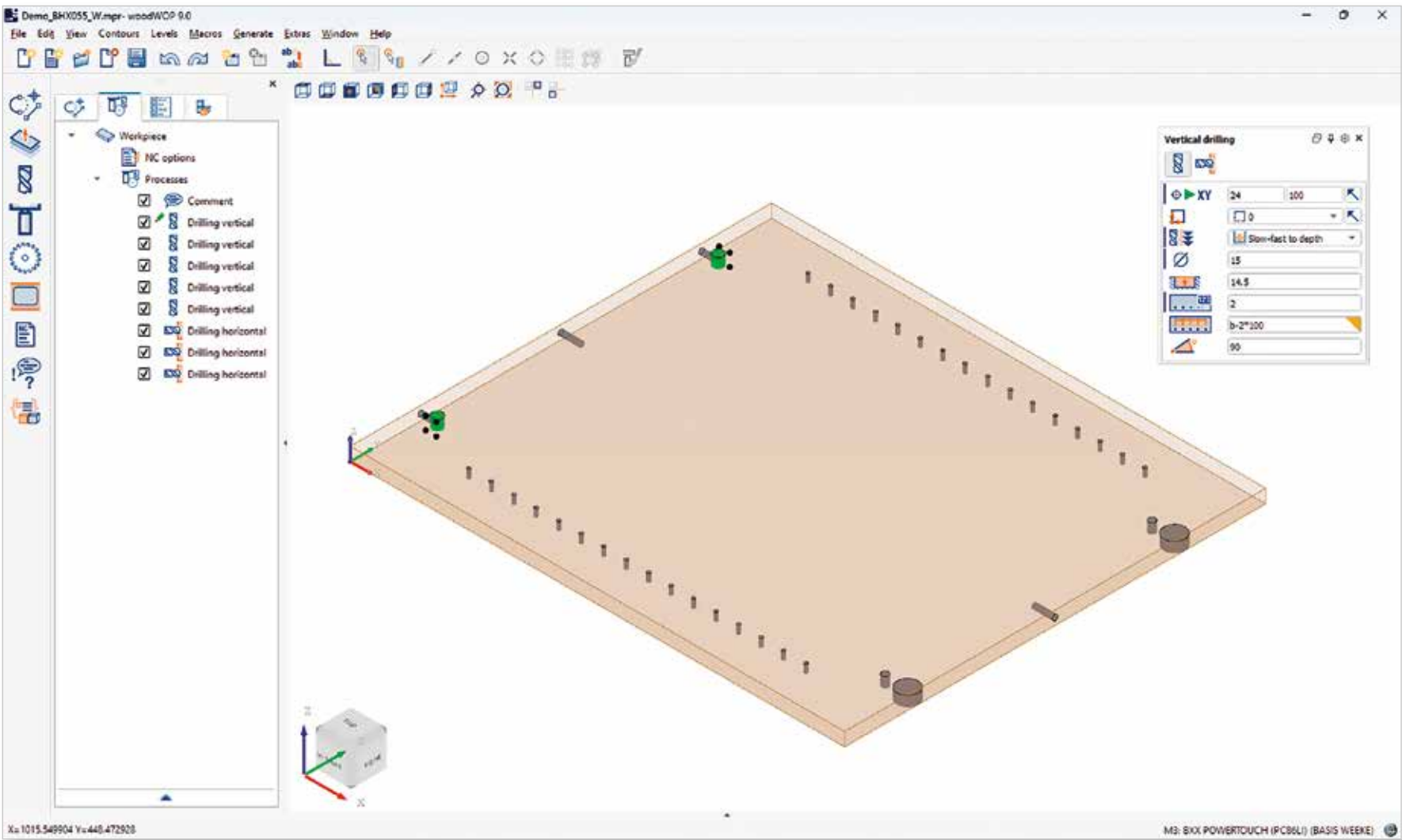
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# The new design

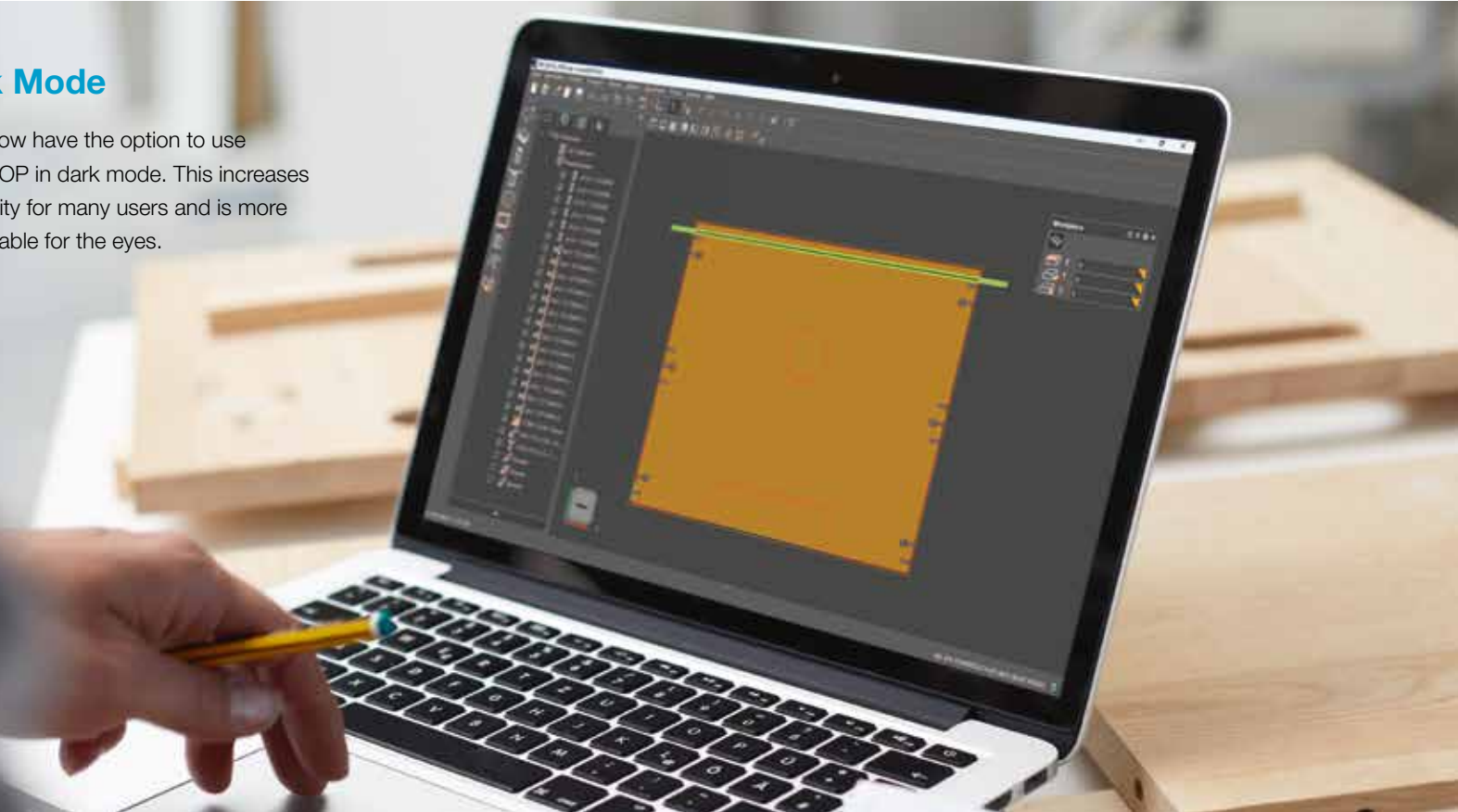
The new user interface impresses with its clean lines and a significantly larger graphic area. Color gradients and blue elements have been eliminated. The white background in the graphics and parameter dialog gives woodWOP 9.0 a modern and fresh look.

“Focused on Focus” means: woodWOP 9.0 supports the user in his daily work and helps him to concentrate on the essentials. The new design allows the user to navigate faster. New functions and support assistants optimize the processes within the software. The favorites mode leaves more space for the workpiece during programming.



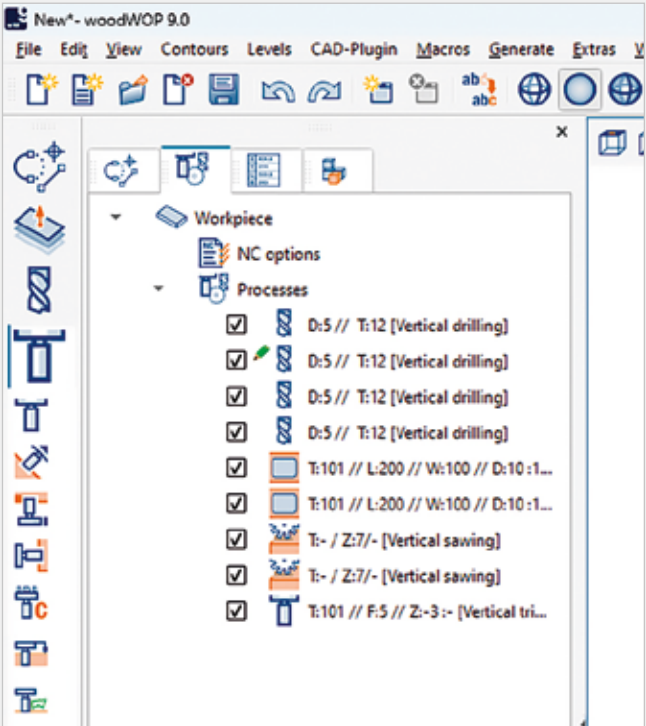
## Dark Mode

Users now have the option to use woodWOP in dark mode. This increases readability for many users and is more comfortable for the eyes.



## Selecting macros now with a single click

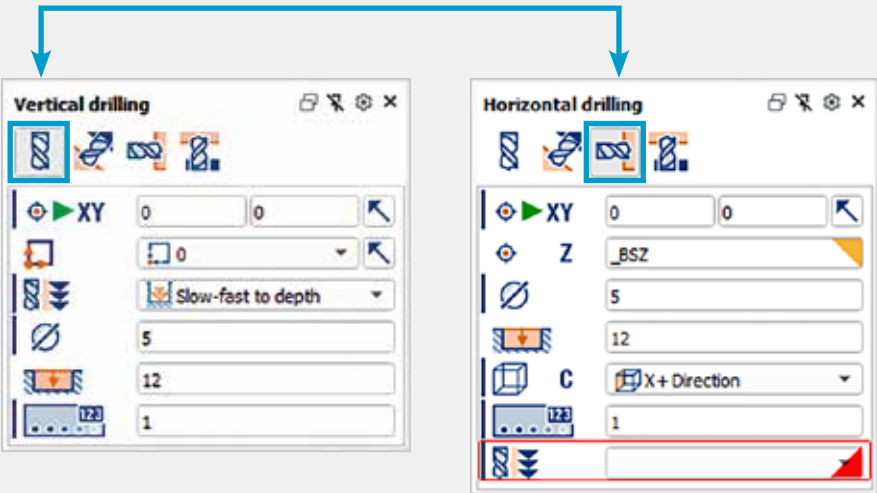
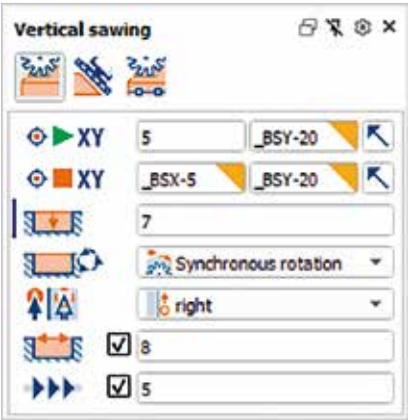
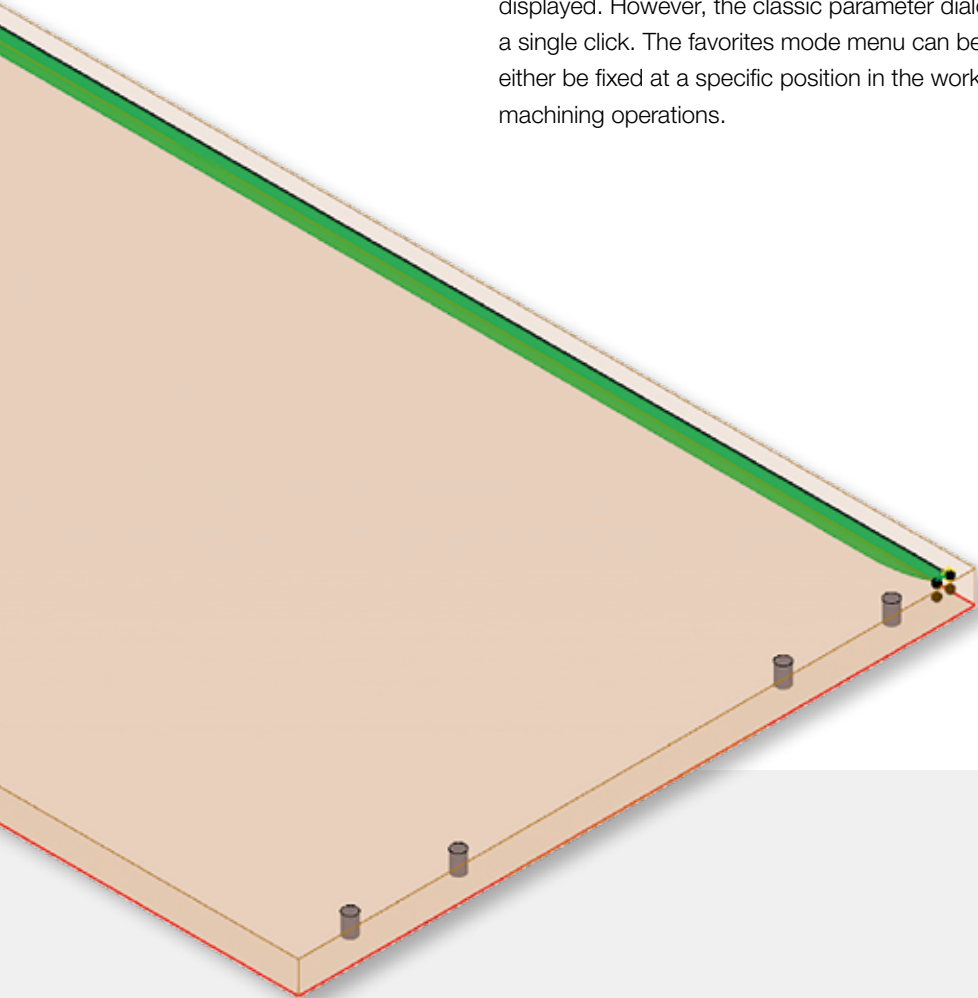
Starting with woodWOP 9.0, macros can be selected for editing with a single click. This is faster and avoids confusion between selected and edited macros.



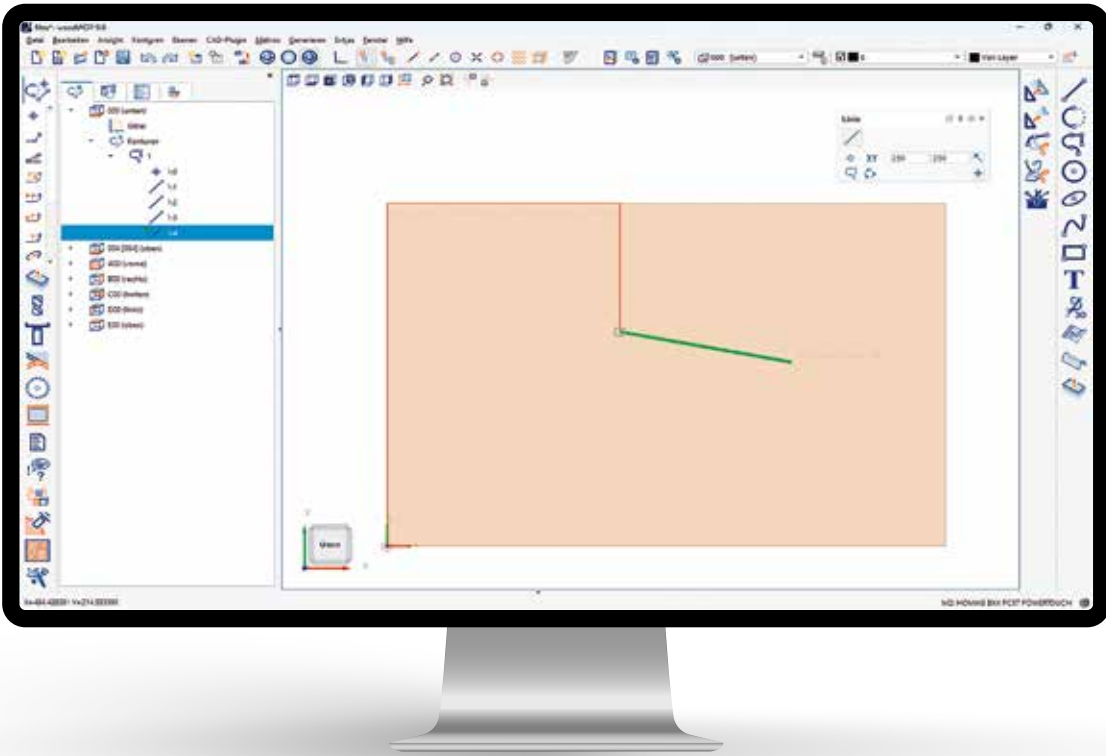
# The new functions

## Favorites mode

If you want more space for the workpiece graphics, you can display the parameters in favorites mode. In this mode, only the most important parameters of the macros are displayed. However, the classic parameter dialog with all setting options can be activated with a single click. The favorites mode menu can be individually configured by the user and can either be fixed at a specific position in the workpiece graphic or move along with the selected machining operations.

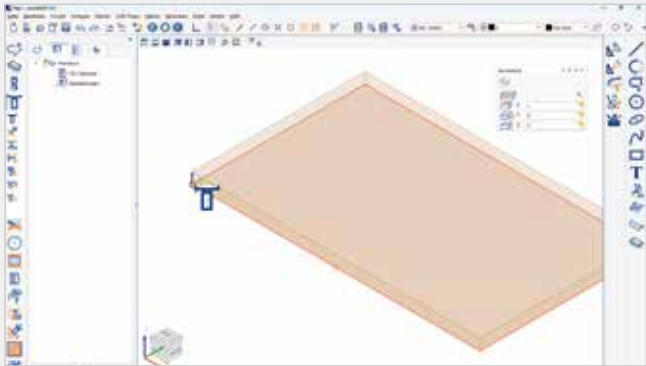
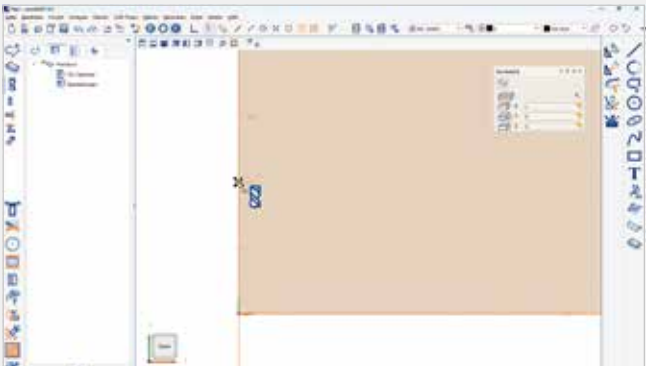
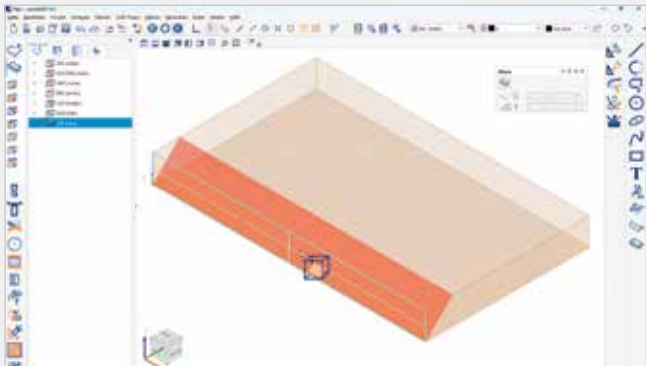


In favorites mode, you can switch within the macro family. This way, a vertical hole becomes a horizontal hole with a single click. Only a few parameters need to be adjusted, such as the drilling mode.



## Drag & drop

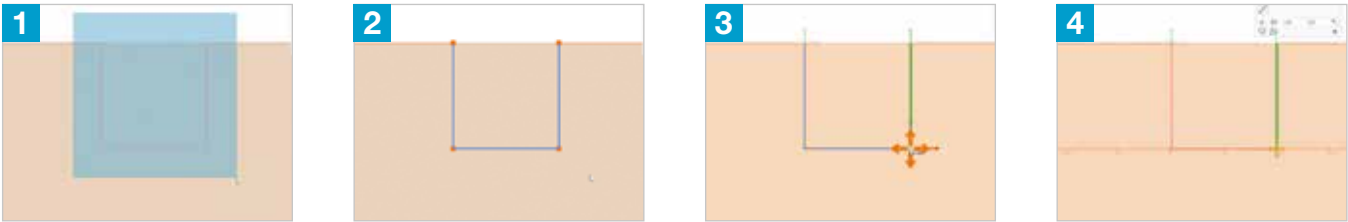
Drag & drop can save you a lot of time when programming contours. You can assign starting points, lines, arcs, chamfers, rounds, and splits quickly and easily. With woodWOP 9.0, the time required for contour programming is reduced by more than 50%.



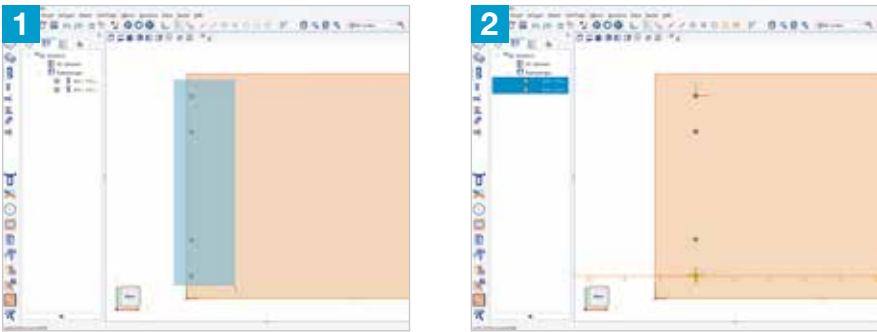
Levels, macros, and components can also be inserted in woodWOP 9.0 via drag & drop. The drop position is automatically used as the insertion point.

# The new functions

## Multiselect

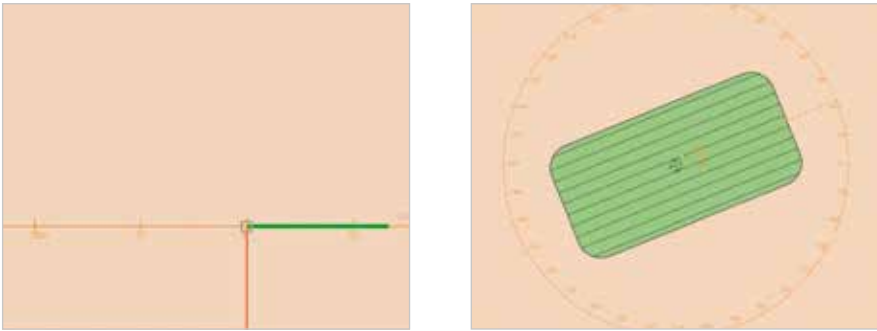


In woodWOP 9.0, contour elements can be selected and moved simultaneously using the new mover. This function allows you to quickly compress or stretch contours.



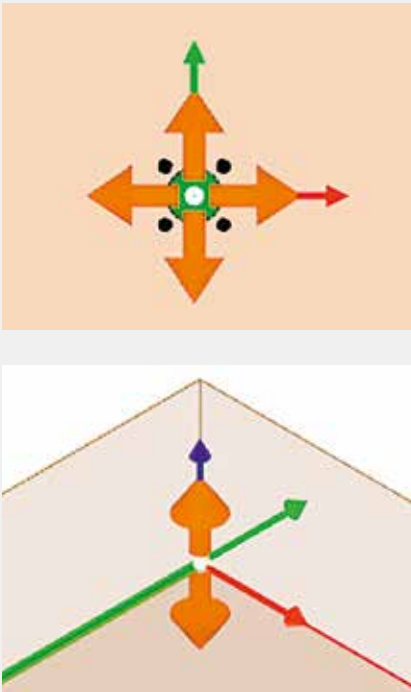
It is now also possible to select and then move multiple macros at the same time.

## Object snap



Graphics-oriented programming is supported in woodWOP 9.0 by intelligent snap points and lines. The user can find snap points at workpiece corners, CAD elements and machining operations. The temporary snap lines have grids that are more or less visible depending on the zoom level. The rotation mover with angle grid points is available for all angles.

## The new mover



## Variables

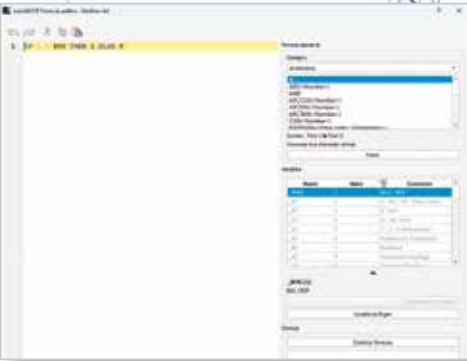
In woodWOP 9.0 it is possible to hide variables in the form view in the separate column “Hide”. The parameter can now be switched on and off as a checkbox or via a formula in the formula editor. This makes the creation of components much easier and more flexible, for example.

| Name  | Value | Comment           | Result | Keywords | Hide                     | List elements | m |
|-------|-------|-------------------|--------|----------|--------------------------|---------------|---|
| L     | 900   | Length in X       | 900    |          | <input type="checkbox"/> |               |   |
| B     | 400   | Width in Y        | 400    |          | <input type="checkbox"/> |               |   |
| D     | 19    | Thickness in Z    | 19     |          | <input type="checkbox"/> |               |   |
| DIA_1 | 30    | Diameter 1 pocket | 30     |          | <input type="checkbox"/> |               |   |
| DIA_2 | 30    | Diameter 2 pocket | 30     |          | <input type="checkbox"/> |               |   |
| DIA_3 | 30    | Diameter 3 pocket | 30     |          | <input type="checkbox"/> |               |   |

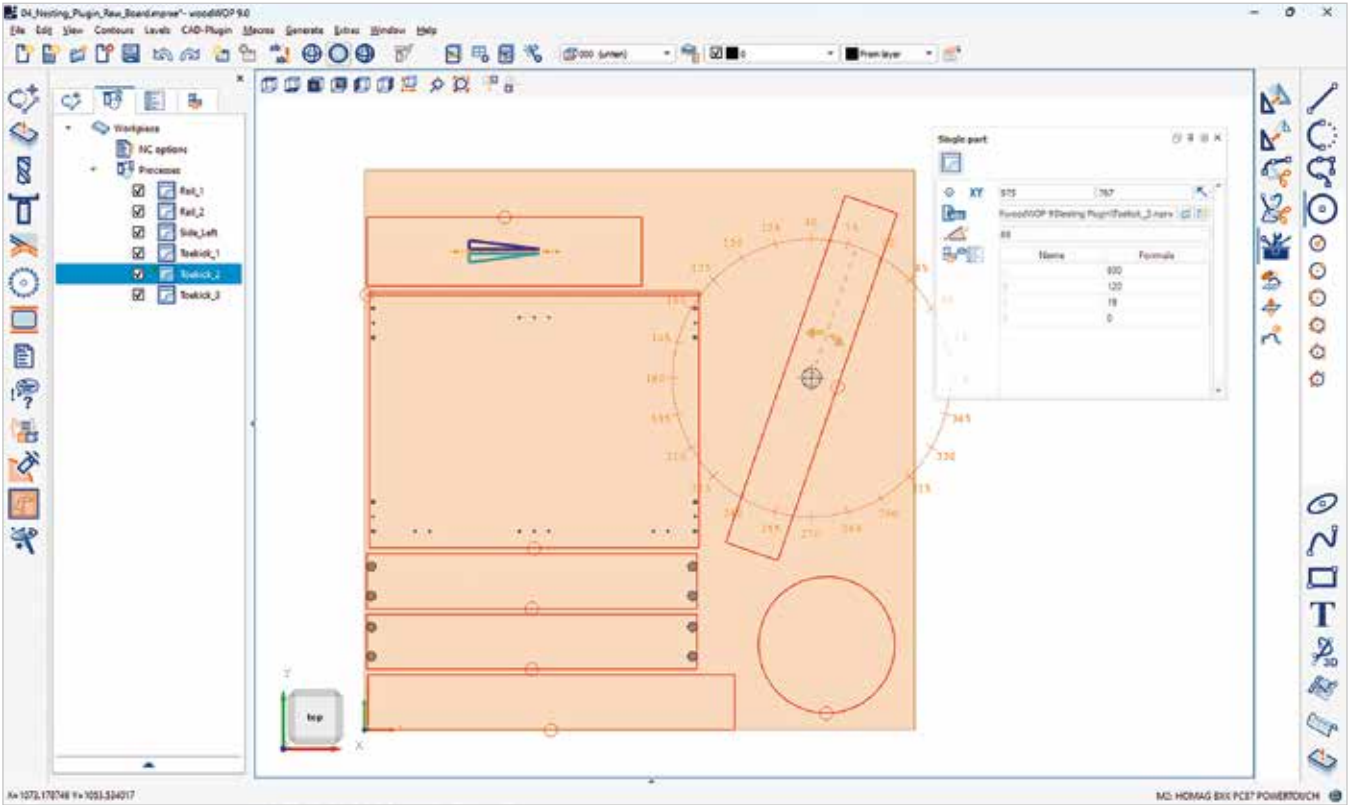
| Use                                 | X-position | Y-position |
|-------------------------------------|------------|------------|
| <input checked="" type="checkbox"/> | 50         | 50         |
| <input checked="" type="checkbox"/> | L-50       | 50         |
| <input checked="" type="checkbox"/> | 50         | B-100      |
| <input checked="" type="checkbox"/> | L-50       | B-100      |
| <input type="checkbox"/>            | L/2        | 50         |

## Block Macro

There is now even more flexibility in the block macro for the options “position list” and “uneven row”. With the new “Use” column, individual items can be activated or deactivated using checkboxes or a formula in the formula editor.

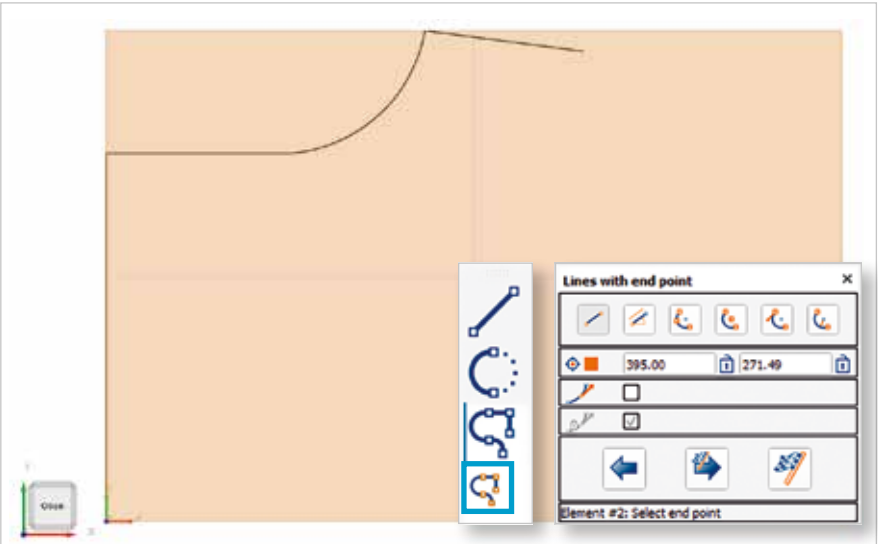


# The new functions



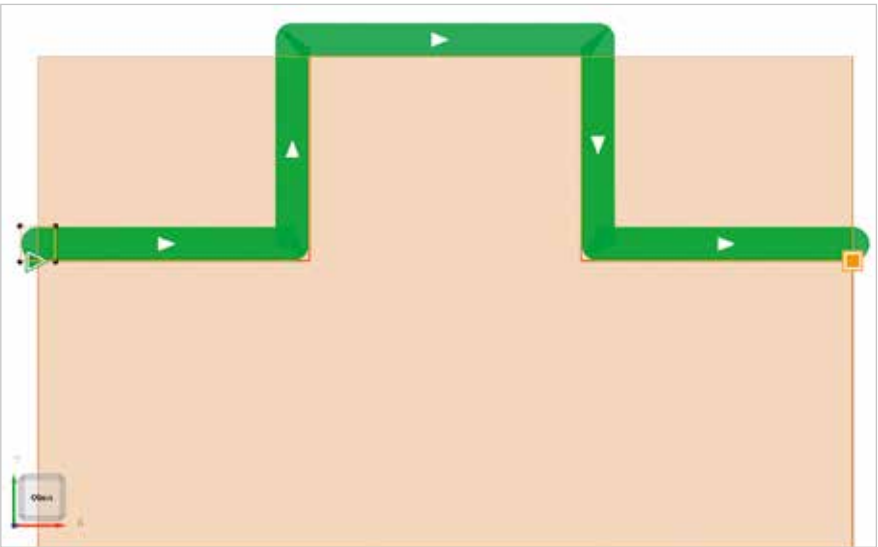
## CAD Plugin

In the CAD Plugin, the new option “Line-Arc Sequence” reduces the number of steps when drawing CAD lines and arcs.



## Tool track

Starting with woodWOP 9.0, the tool track of the contour macros shows the processing direction by using white arrows. With the start and end point movers, the user can quickly and intuitively adjust the processing by drag & drop.



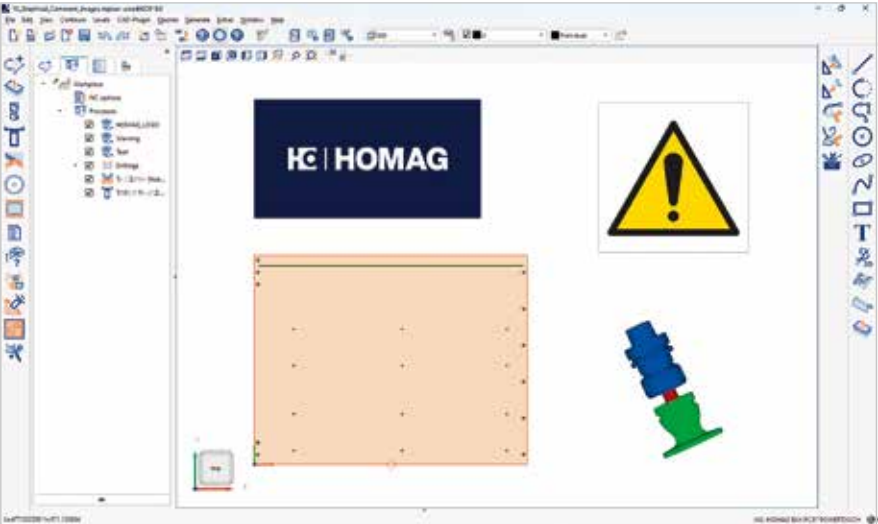
## Nesting Plugin

Manual nesting is even easier and faster with the enhancements in the Nesting Plugin. When inserting new parts, the Nesting Plugin makes an automatic position suggestion. For more complex parts, it is now possible to temporarily disable the distance check to achieve better nesting and material utilization. The new Mover is also used in the Nesting Plugin for rotating and moving parts.



## Graphical comment

In addition to \*.ply files, graphic files such as \*.bmp, \*.png, or \*.jpg can now be loaded into the graphical comment. This allows for better documentation and communication in the manufacturing process.





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