



# INTELLIGENT SOFTWARE FOR CREATING CUTTING PROGRAMS

With our WinCAP programming software, you can quickly and easily create cutting programs for Bäumler CNC contour cutters.

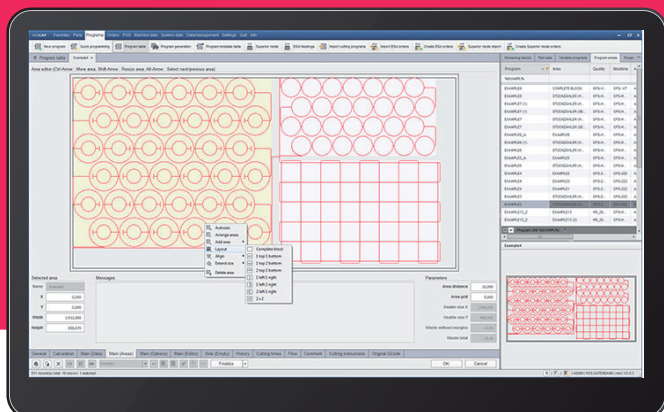
In order to optimize proven methods, to show new possibilities and to create intelligent solutions, we have made your questions ours! Together with the optional nesting software, WinCAP provides the prerequisites to meet the latest requirements.

The development and generation of the cutting programmes is automated to a large extent.

However, the user is given the possibility of including individual features at any time.

## Features and functions

- New multifunction toolbar
- Preview window for cutting programs and contours
- Simplified function calls and hot keys
- Different user rights
- Improved drawing editor
- Improved import function
- Translation options for various languages
- User-friendliness
- Manual nesting
- Favorites toolbar
- Documentation
- Photo scanning
- Autosave



## Generate contour parts

There are several methods of creating contour parts in the WinCAP parts menu:

- Creating templates: recurring settings can be saved in a template.
- Display to show whether a part is closed.
- Fast creation of the piece counter or block program

For a better overview, all contour parts are shown in a preview window.

The table entries inform about dimensions, quality and machine types and the customer's name at a glance. Details regarding production date, piece numbers and cutting parameters can be separately indicated.

## Nesting of contour parts

The nesting can be done either manually or automatically by means of Bäumer Nest available as add-on tool.

### ➤ Manual nesting

By manual nesting, all contour parts are manually positioned.

### ➤ Automatic nesting

Bäumer Nest is an additional tool for automatic nesting and block optimization.

### ➤ Advantages of Bäumer Nest:

- Minimisation of the cutting runs which therefore increases the cutting efficiency
- Economy of foam by an average of 5 to 10 %
- Increase of productivity by more than 10 % with vertical cutting machines

Additionally Bäumer Nest offers following functions:

- There are also 5 choices as to what the criteria for nesting can be, e.g. waste rate or throughput speed.
- Multi area nesting  
The multi area nesting function enables the foam block to be optimally utilized. When using small piece numbers, it is particularly advantageous to section the block into individual areas which can be filled with various existing or recalculated cutting programmes afterwards.
- Mattress Scanner  
Different mattresses (with different contours) can be comfortably nested in one block. To do this, existing programs are scanned by means of the barcodes.

## Simulation of the knife cutting line (Routing)

After the nesting process has been finished, the creation of the cutting ways can be realised either manually or automatically. By using the simulator, the cutting way of the knife is traced on the screen. The cutting way is decisive for the cutting quality and the cutting time. Knife turning points, feed rate, breakpoints etc. are displayed on the screen in real-time. The operator can manually interfere at any time.

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