



# CADNesting

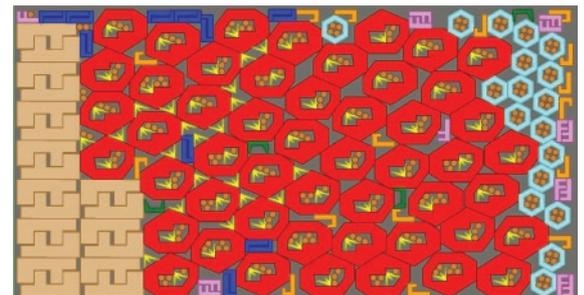
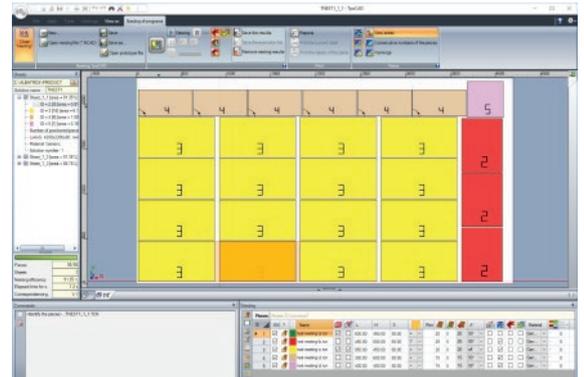
## GENERAL FEATURES

CADNesting is a program designed to minimise the waste of raw materials, by optimising the management of sheet spaces to be worked.

The user is free to choose the configuration and the workings to be carried out against a predefined production need. The user interface is integrated into that of TpaCAD.

## UTILITIES

- Possibility to import the list from .xml, .csv files or from a group of .tcn or .dxf files
- Nesting of pieces with internal and external workings that will be regularly carried out by optimising the management of the common areas in case of workings outside the piece.
- Setup of the optimisation of cuts in the machine with several options available
- Label generator
- Management of complex geometrical figures
- Reduction of scrap of raw material
- Possibility to assign criteria such as Cluster, Mirror, the rotation angle, the material, the grain, and possible additional repetitions for each single piece in the list
- Immediate creation of the piece file (TCN)
- The wide application range of this software makes it a very versatile product, easily suitable for several fields of the market, with their different needs and criteria for managing the most disparate materials.
- The parameters assigned to the TCN piece remain valid in the list, with the possibility of size modification in compliance with the parametric rules.



## CADNesting Square

code SW1.1.16

CADNesting Square is the version dedicated to the nesting of rectangular areas. This software can execute the nesting on any type of figure, but always considering the minimum space rectangle.

In addition to the option of importing .xml, .csv, .dxf, and .tcn formats, it allows to add rectangles to the list by setting only their three dimensions.

The processing speed and the possibility of being used on hardware with low performance make it a better choice for those applications mainly aimed to panel nesting.

## CADNesting Trueshape

code SW1.1.17

CADNesting Trueshape is the version dedicated to the nesting of complex and free shapes. This software can carry out the nesting on any type of shape, only considering its real surface.

In addition to all of the functionalities also available in the Square version, in this version it is possible to manage the rotation angle of every single piece, to manage the nesting inside empty islands in the piece, to assign clusters among pairs of pieces that are easier to be handled, when embedded according to specific criteria. Possibility to carry out in TpaCAD the nesting of workings inside a given area that can also have an irregular shape.