

# NESTING ++

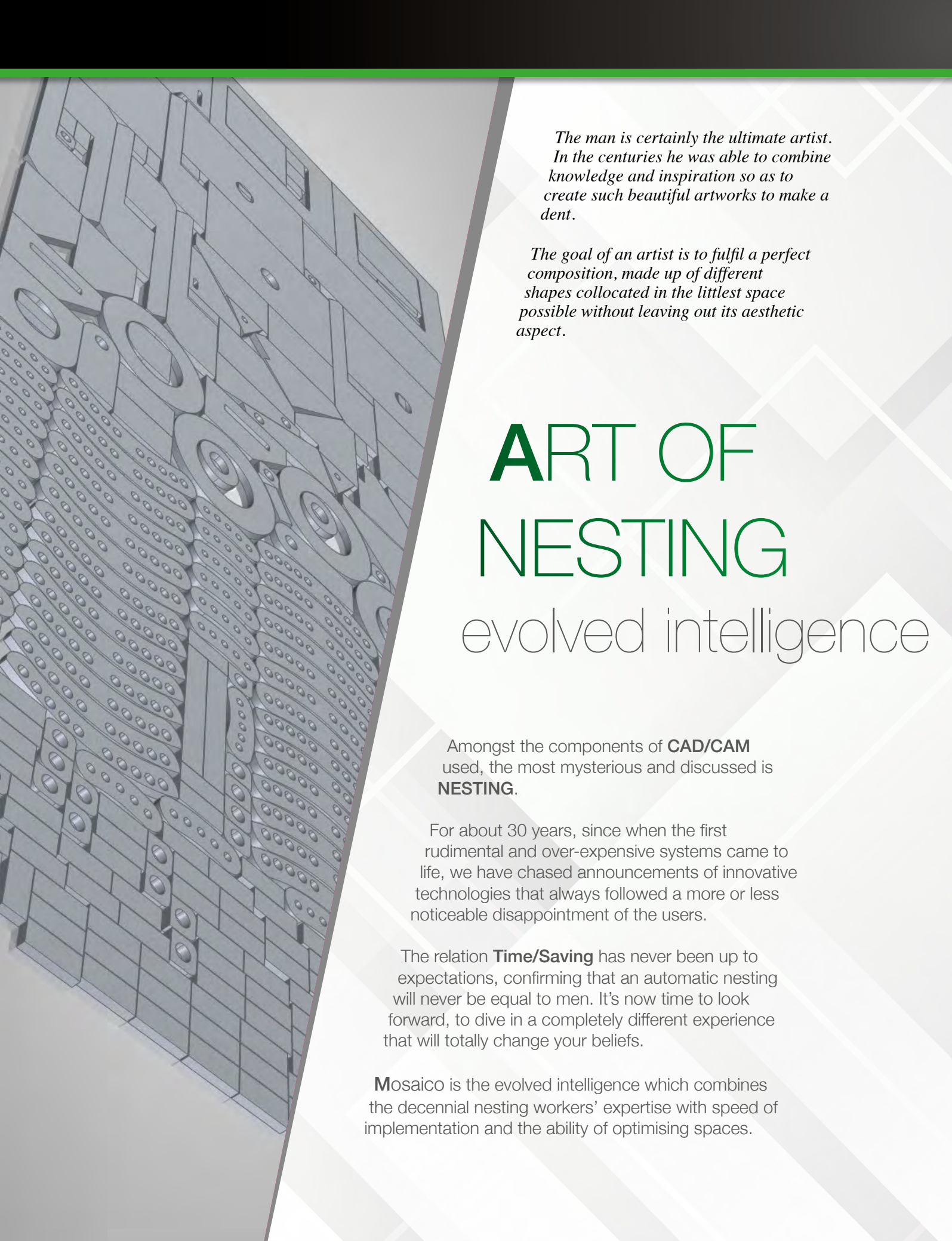


Summary  
of perfection

 **Mosaico**  
art of nesting



 **EUROSOFT**.it  
*powered by*



*The man is certainly the ultimate artist.  
In the centuries he was able to combine  
knowledge and inspiration so as to  
create such beautiful artworks to make a  
dent.*

*The goal of an artist is to fulfil a perfect  
composition, made up of different  
shapes collocated in the littlest space  
possible without leaving out its aesthetic  
aspect.*

# ART OF NESTING

evolved intelligence

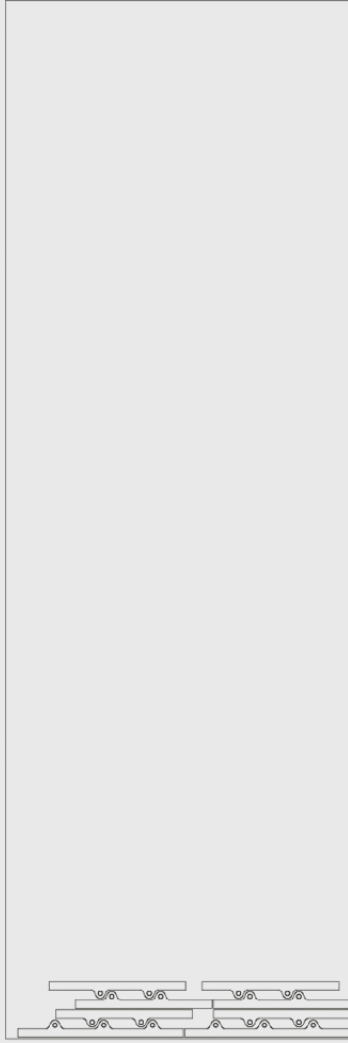
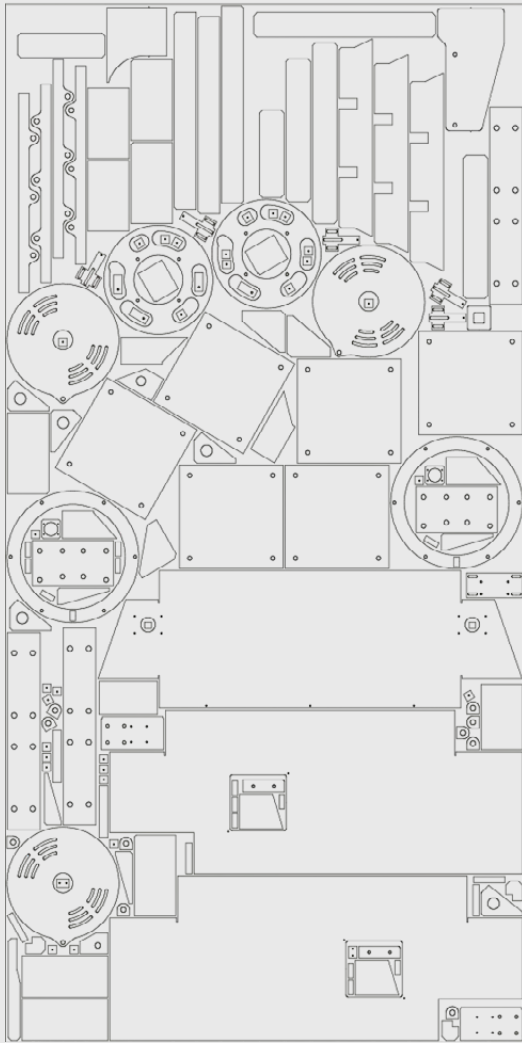
Amongst the components of **CAD/CAM**  
used, the most mysterious and discussed is  
**NESTING**.

For about 30 years, since when the first  
rudimental and over-expensive systems came to  
life, we have chased announcements of innovative  
technologies that always followed a more or less  
noticeable disappointment of the users.

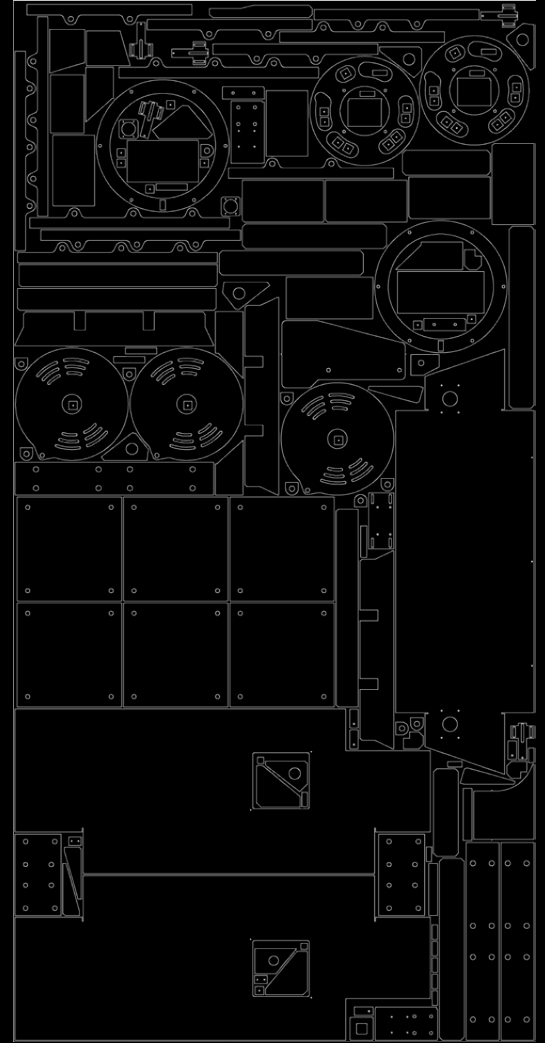
The relation **Time/Saving** has never been up to  
expectations, confirming that an automatic nesting  
will never be equal to men. It's now time to look  
forward, to dive in a completely different experience  
that will totally change your beliefs.

**Mosaico** is the evolved intelligence which combines  
the decennial nesting workers' expertise with speed of  
implementation and the ability of optimising spaces.





**WITHOUT** Mosaico



**WITH** Mosaico

## Zero Waste Technology

The new algorithms of Mosaico were conceived for the research of the best disposition possible and a **waste reduction up to 10%**.

## Cost Estimation Technology

With its rapidity and optimization, Mosaico allows the development of accurate quotes limiting to zero the probability of making estimates that are either too high (losing the opportunity) or too low (without realising expected profits).

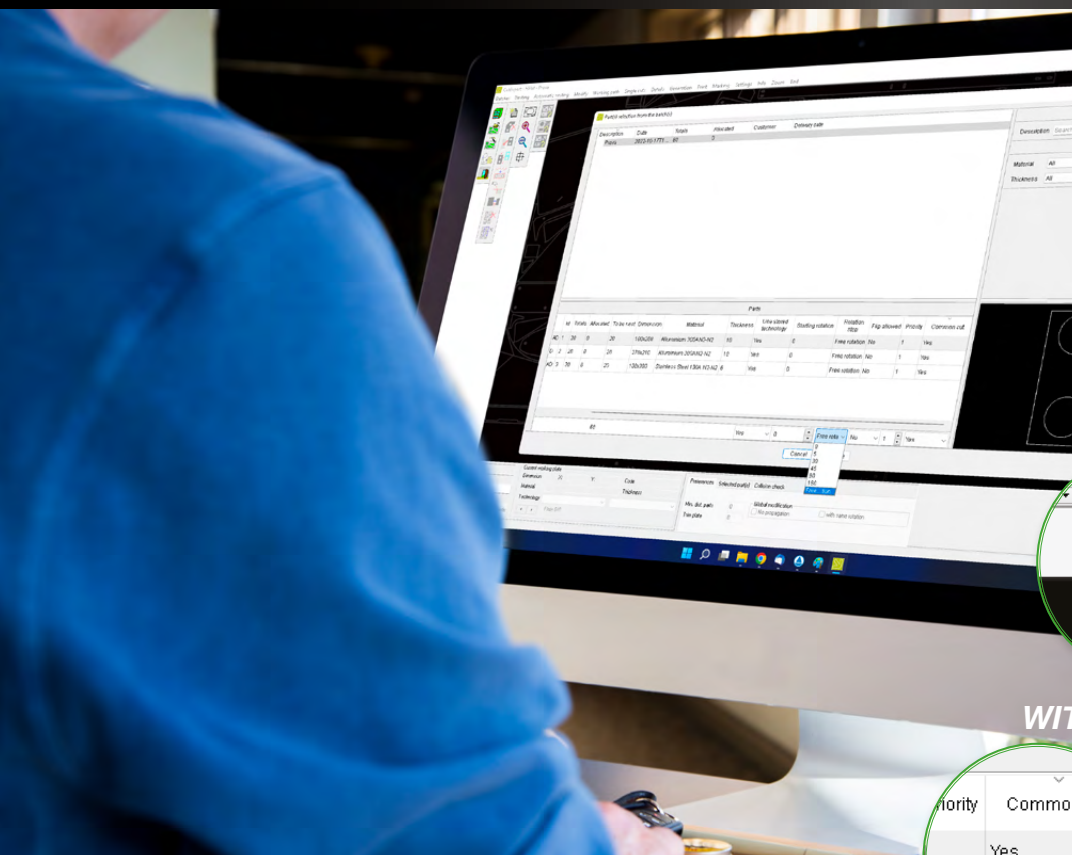
## Speed

Mosaico is extremely fast: in a few seconds it can do a better job than most of the systems on the market.

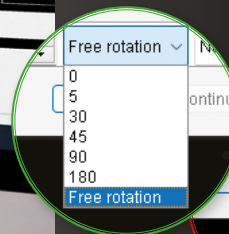
## Nice Nesting Technology

Mosaico chooses the “cleanest” and most regular solution between all the available equivalent ones.

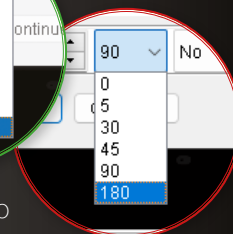
## Free Angle Nesting



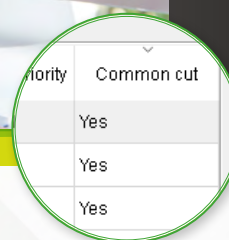
Free angle nesting. Mosaico can automatically search for the most appropriate rotation for a given piece. This allows you to easily optimize large pieces that enter the sheets only if rotated at specific angles. It is also possible, for each piece, to set an initial rotation, a rotation step, the possibility of mirroring and the priority.



WITH Mosaico



WITHOUT Mosaico

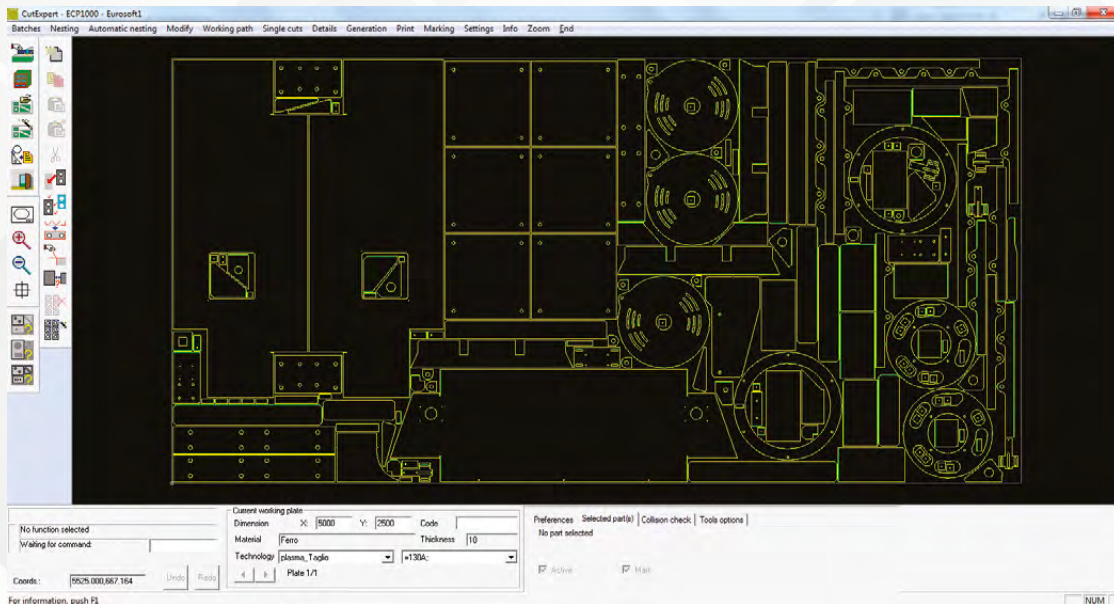


## Common Cut Nesting

The Mosaic algorithms can insert the common cut on pieces indicated by the user, minimizing the waste.

# Human Challenge Technology

During all the software developing phases, results have been confronted with the best nestings realized by experts in manual way in order to grasp their secrets and assimilate them in Mosaico.



## Sheet Format Strategy

Each sheet format can be assigned a different priority. It is also possible to order sheets optimizing costs: each sheet size can be associated with its price; it will be the Mosaic, based on the order to be cut, the formats available on the market and their costs, that will choose the most convenient sheets for you.

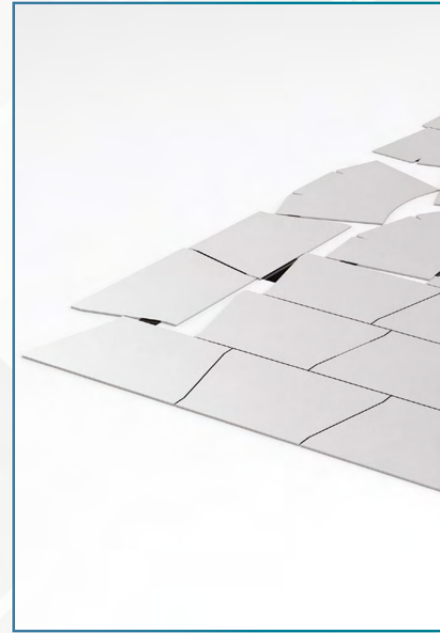
## Backtracking

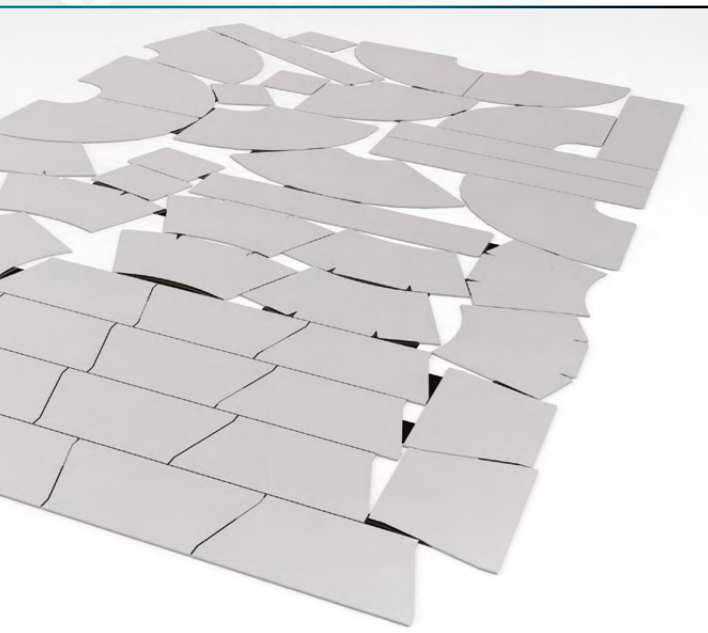
You only need to set the time and Mosaico will carry out the best nesting possible in the interval you have chosen.



## Multi Torch Nesting

The Mosaico manages multi-torch nesting, interpreting the rules set on the maximum number of torches, distances between torches, automatic or manual torch change, etc. etc.



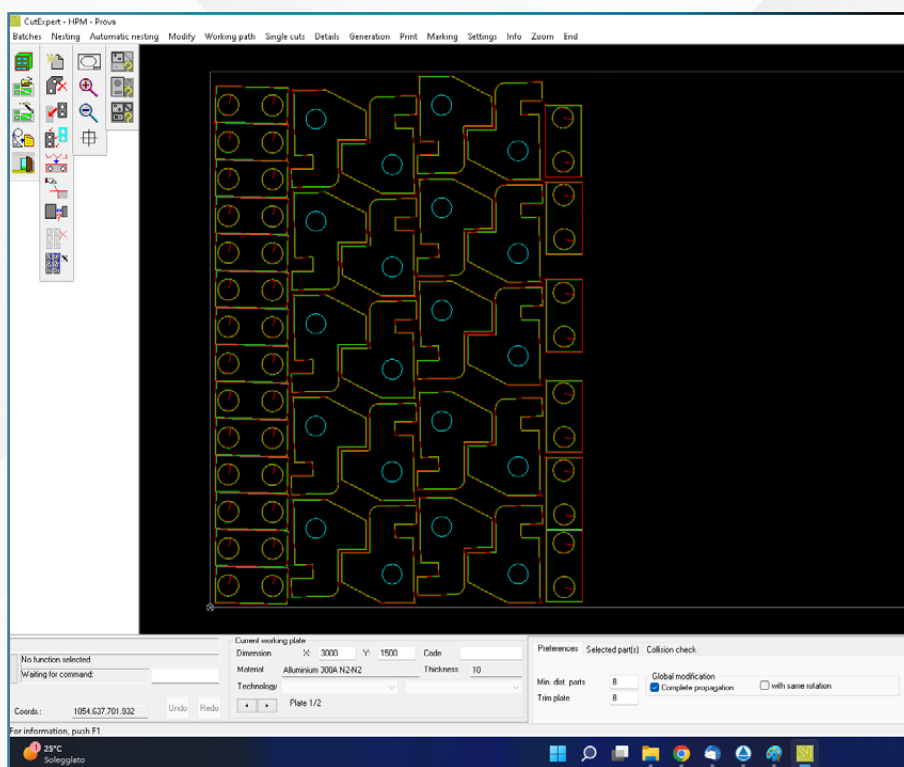


## Grouping Of Pieces

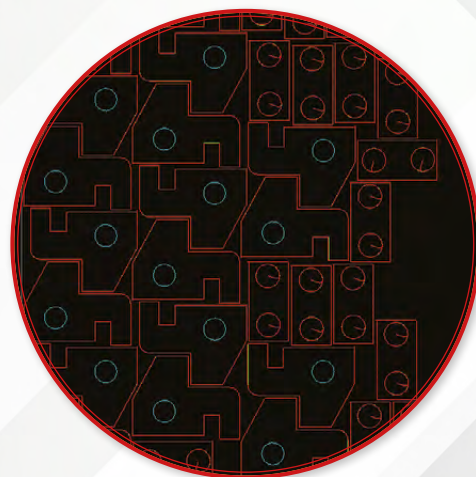
Mosaico can group the pieces that will then have to be assembled together. In this case the user will have a tailor-made nesting to facilitate unloading and assembly.

## Unloading Optimization

Manage the positioning of the pieces according to an unloading priority. The priority can be narrow (a piece with a lower priority is always placed after the pieces with a higher priority), or flexible (Mosaico tries to place the pieces with higher priority first but in order to minimize the waste it is accepted that some pieces with lower priority may precede higher priority pieces).



WITH Mosaico



WITHOUT Mosaico





 CutExpert  
 Mosaico  
 Revolution<sub>4.0</sub>  
 Sync3D  
 Emaker  
 ECP1000

 **EUROSOFT**  
*making machines happy*

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