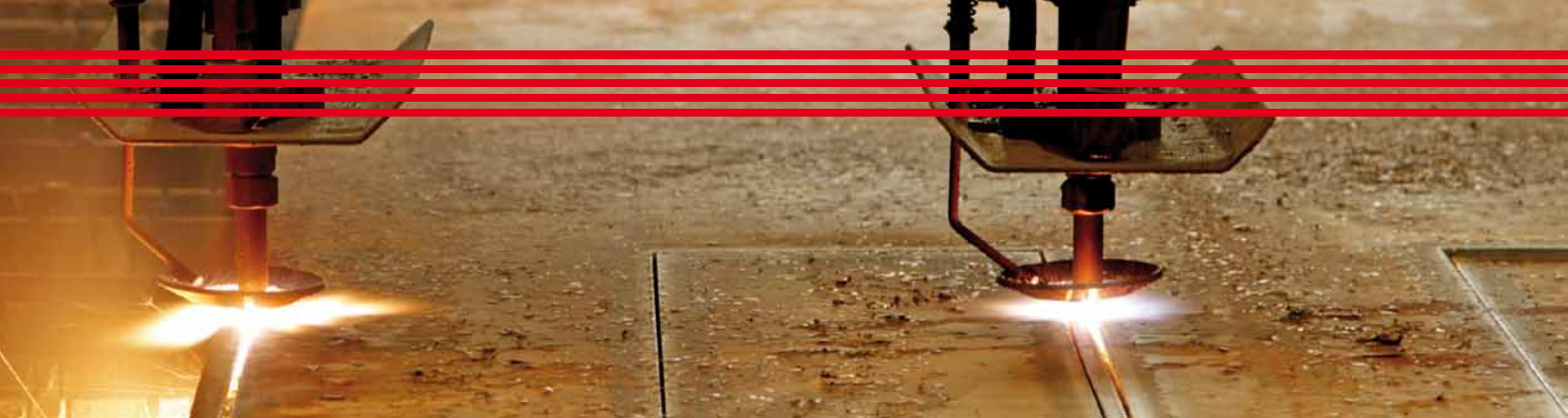


cutlab



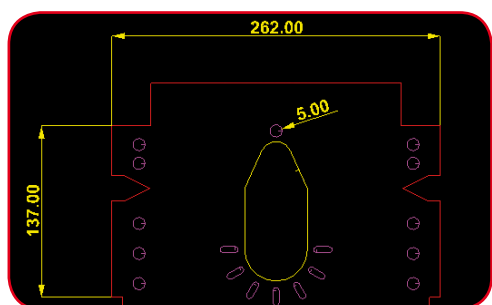
## *CAD/CAM and nesting software for CNC cutting technologies with laser, plasma, flame, water jet*

CUTlab is a CAD/CAM software developed to manage all CNC cutting technologies. It has been recently updated to full compatibility with Windows 7 and it has been entirely programmed with object-oriented technologies and

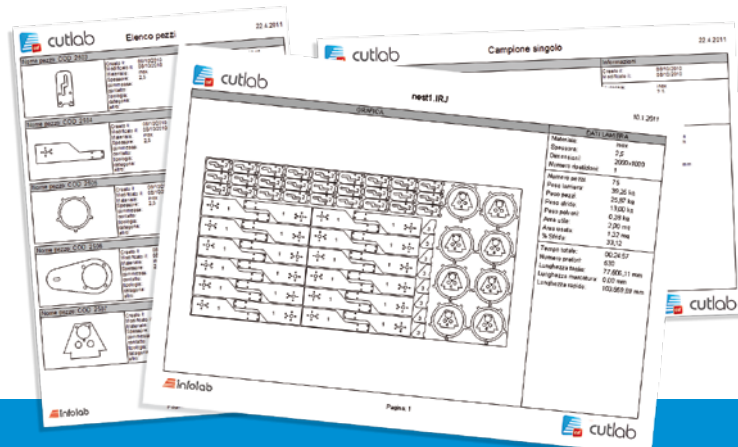
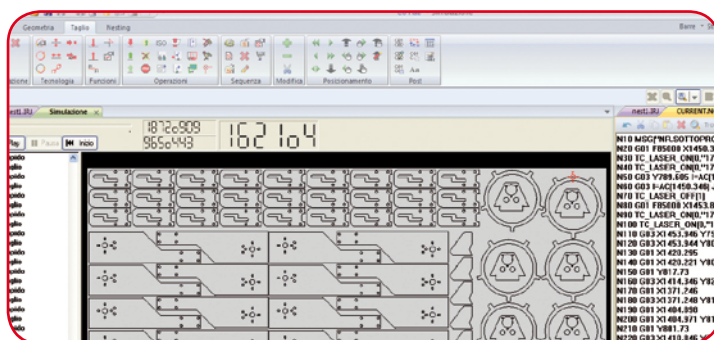
developed with C++ and C# languages. The customizing possibilities help users, whether they are experienced or not, to get immediate benefits, improving efficiency and productivity. The CUTlab constant evolution guarantees its users

the best performance. The operator interface can be customized and permits to adapt the software to the operator's own working style. Each operation such as geometry, nesting or technology can be applied automatically or manually. However the user can always operate, at any time, to modify even a single part of the decisions taken by the system, leaving the others unchanged.

It's a unique environment flexible and efficient for all operations for the setting up of the machining process: geometry, nesting, technology, sequence, post processor. All steps are managed in real time and with the utmost guarantee of completeness.



- geometry
- import DXF
- interactive nesting
- automatic nesting
- cutting technology
- marking out
- estimates and final balances
- statistics
- working reports
- pieces database
- 2D & 3D parametric shapes
- customized postprocessor
- communication with CNC





## geometry

The functions available in the geometry module are those typical of a bi-dimensional CAD system. To obtain more or less complex profiles on

which to apply following machining. The module includes dimensioning and DXF importing functions.

## interactive nesting

The interactive functions of the CUTlab nesting allow positioning of the pieces on materials by making operations of translation, rotation and mirroring at the same time. During all movements, it is always possible to have a control function of collision with-

out invalidating the speed of the operations. If necessary, it's possible to place smaller pieces inside bigger pieces, keeping all the above mentioned functions unchanged. Multiple automatic functions allow the filling of parts or of the whole panel.

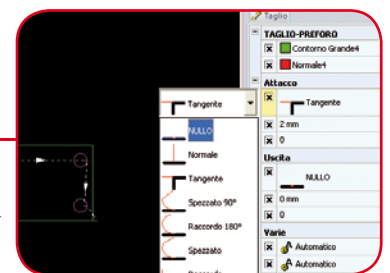
## cutting technology

The application module of the cutting technology represents the core of the CUTlab. Its controls allow the application on geometries of all necessary information for the manufacturing. All functions are performed without using any programming language and each

machining process is created or modified by working directly on the drawing. The complete integration of the CUTlab modules allows the user to perform any kind of operation without changing his work environment.

Every

technical information can be changed at any time, without having to redefine everything from the beginning.



## simulation

The simulation module allows the user to test the work as it will be made by the machine. It's possible to start from a particular point, regulate the speed of the simulation and obtain a

cycle time of the work considering dead times, speed changing, quick movements, acceleration and deceleration.

## statistic module

It is possible to estimate economic values based on weights, times and prices of the requested machining without having to start or simulate any machining. A more precise result

will be given by the functions of the final balance which will make it possible to know the real value of off-cuts and working times.

[www.infolabonline.com](http://www.infolabonline.com)

design: blackmon.com



largo Erfurt, 7 | 29122 Piacenza (PC) | Italy  
tel. +39 0523.71.60.18 | fax +39 0523.71.32.07  
[www.infolabonline.com](http://www.infolabonline.com) | email: [info@infolabonline.com](mailto:info@infolabonline.com)