



Cutting Assistant

Advanced user interface for the saw

Cutting assistant is the evolution of the cutting station, helping saw operators in all their job tasks. Thanks to the friendly user interface, you can keep production times under control, and handle the cutting optimization, labelling the profile pieces and recycling scraps. Cutting Assistant can be used on any cutting machine.

Cutting Assistant



Product description

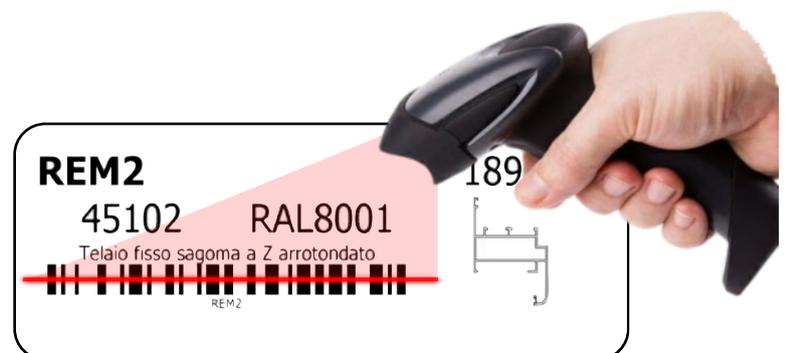


Cutting Assistant has a touchscreen-friendly UI, which gives you a set of tools to save time, money and improve the work quality.

Cutting Assistant can be directly connected to saw machines or electronic stop gauge machines, sending all data of the current cut.

Cutting Assistant can import cutting lists from opera job management or third party-software. Imported lists can also be reoptimized within the software before being sent to the saw machine.

Cutting Assistant can manage reusable leftovers, storing them a database and printing a label with a barcode, the profile shape and its position in the warehouse. Leftovers can be reused in future optimizations simply scanning its code with a proper barcode reader.



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Product overview

The screenshot shows the Cutting Assistant software interface with several key components labeled:

- job selection**: Points to the left sidebar showing a list of job profiles (60100, 60102, 60104, 60105, 60109, ASTA).
- current cut**: Points to the top bar of the main workspace showing the current cut details.
- operator**: Points to the 'Op: None' dropdown menu.
- re-optimize functions**: Points to the 'Bars opt.', 'Optimize', and 'Typology' icons.
- saw machine connection status**: Points to the connection status icon in the top right.
- finished cuts**: Points to the completed cut bars in the workspace.
- optimized bars**: Points to the bars currently being processed.
- recycled leftover**: Points to the leftover material area.
- progress of the cut**: Points to the vertical progress indicator on the left sidebar.
- profile clamping**: Points to the clamping mechanism on the profile in the bottom view.
- label preview**: Points to the label preview window showing product details.

1/3 31/ 2022 - Opera Company Srl
ID: BE.02.B1 Cod: 60100
Rounded sash
Int. color: RAL1013
Ext. color: RAL1013
45° 812 mm 45°
W/H: 860 X 1400mm
Handle height: 500
20310013401

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Product features

- Cutting optimization
- Possibility of re-optimize cutting lists at any work phase
- Direct communication with the majority of existing numerical controls(*)
- Importing the cut list from external software in any format
- Importing cutting lists from machine format files(*)
- Execution of large batch processing orders
- Reuse offcuts in optimizations
- Labelling offcuts
- Three operating modes: Automatic, Semi-automatic and Manual
- Management of the profile archive
- Import profile data and section in DXF/DWG format or from images in PDF, JPG, PNG, TIFF and BMP format.
- Management of the color archive
- Job archive management with graphic display of job previews
- Touch-screen interface
- Graphical visualization of the cut optimization scheme
- Optimization of coupled bars
- Real-time simulation according to the number of coupled bars
- Graphic Label Printing
- Fully customizable graphic label layout
- Operator management
- Creation of operator activity and alarm log file
- Access to the activity register via web interface
- Metric and imperial units with native fractions support

(*) depends on the numerical control of the saw



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