BOOLE & PARTNERS
CONSEIL EN SYSTEMES D'INFORMATION
EDITION DE LOGICIELS PROFESSIONNELS

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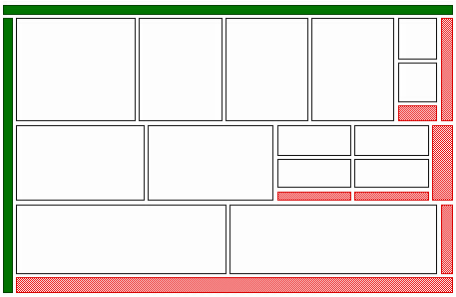
OptiCut V *for Windows*

Guided Example



1 - Optimization example

Let us assume that you have to optimize the following cutting list, including **24 Pieces** of **19 mm Plywood**, using **3050 x 1850 Panels** costing 5 €uros / m².

Height	Width	Quantity	Material	Grain
1750	870	2	PLW_19	N
1280	700	1	PLW_19	N
1250	610	4	PLW_19	N
648	375	10	PLW_19	N
460	400	7	PLW_19	N

In the "Units" dialog window of the "Tools" menu, select the "Millimiters" unit.

2 - Panels material

You first have to create the **PLW_19** material, corresponding to 19 mm Plywood, to which the 3050 x 1850 panel and the 24 pieces of the cutting list will be connected.

In the "Panels Materials" dialog window of the "Stock" menu, create *(add)* the PLW_19 material *(the Linear Cutting Cost will contribute to the Global Cost)*.

3 - Panel format

In the "Edit Panels" dialog window of the "Stock" menu, create *(add)* the 3050 x 1850 Plywood panel using the PLW_19 material, and type the 5 €uros / m² cost.

Tick the "Unlimited Quantity" check box, and leave the H &W trim cuts equal to 0.

4 - Cutting list

Open the "New Panels Cutting List" dialog box of the File menu, then type the 5 lines of the above cutting list.

When typing the first line, select the PLW_19 Material, and verify that the "Grain direction" check box is not marked. These 2 parameters will be automatically duplicated in the next lines.

5 - Parameters setting

In the "Optimization Parameters" dialog window of the "Optimization" Menu, set the following parameters :

- Blade Thickness : 4 mm.
- Trim Cuts *(Height & Width)* : 0 mm.
- Optimization Mode : Fast or Advanced 2.
- First Cut Direction : Indifferent.

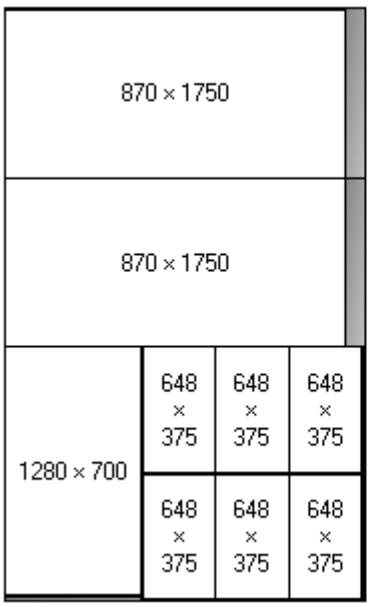
6 - Optimization

To start the optimization, you may either launch the "Optimize" command of the "Optimization" menu, or click on the cogwheel icon.

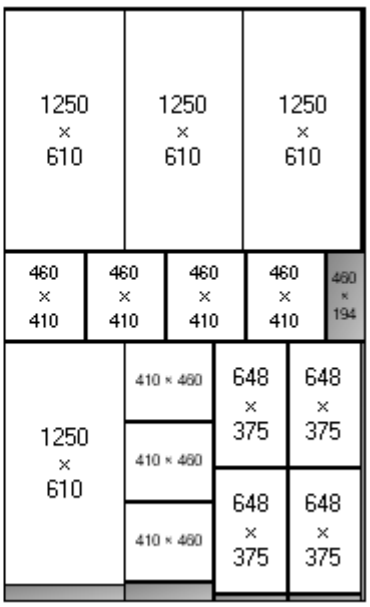
A message indicates the optimization progress. The total duration varies depending on the computer, but in this simple case, it should not exceed a few seconds in the Advanced 2 optimization mode.

At the end of the optimization in the Advanced 2 mode, the 24 pieces should be placed in 2 panels as follows :

Result in Advanced 2 Mode



Cut Drawing N° 1



Cut Drawing N° 2