

which produces the least waste possible. It works exceptionally well for borderline cases where squeezing two or even one part into existing cutting layouts would prevent a whole stock to be used unnecessary.”

In order to minimize the total waste produced from several projects, the online cutter supports the usage of leftover material by designating some stock as “waste” during a project setup. It forces the algorithm to use leftovers, even if they produce a non-optimal cut list.

Denis Smirnov continues: “We provide two-tier accounts: free and premium. Our premium users pay \$9.99 monthly or \$79.99 annually to get import/export parts and stock from Excel spreadsheet files, and exports calculation results to Excel, PDF, or DXF files. We recently added the ability to export the results into a pattern exchange format (PTX) that can be used directly for CNC saw machines including HOMAG, SCM and others.”

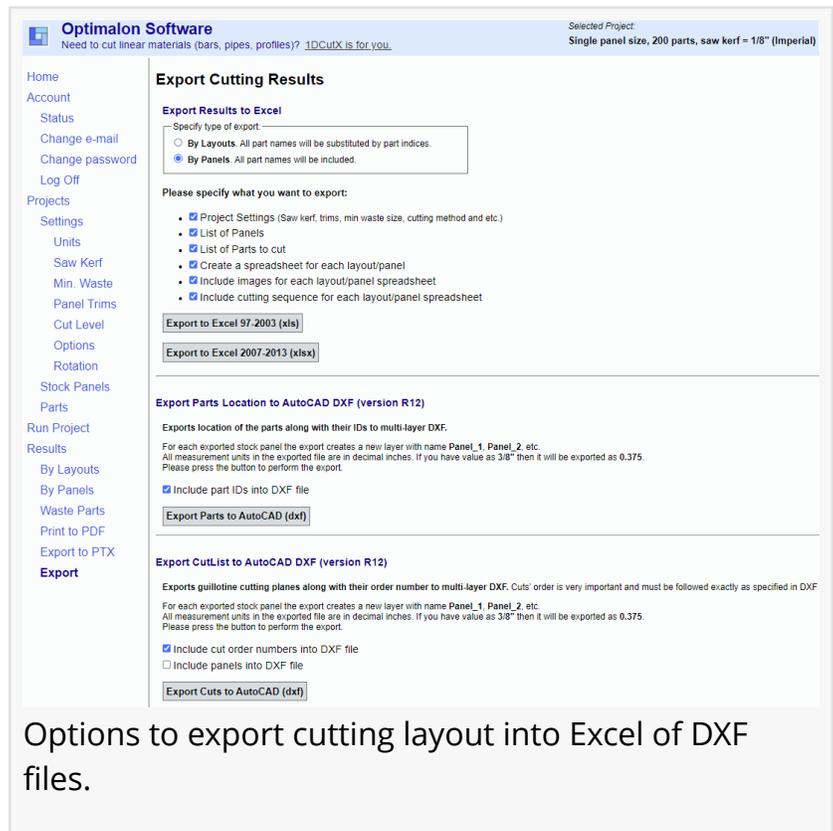
The online panel cutter supports both metric (millimeters, centimeters and meters) and imperial (feet, inches) units. Users can specify inches in fractions or decimals in a convenient and simple way.

Users can designate any parts that need to be cut from the stocks as “non-rotatable” during the calculation to preserve the grain orientation. In a labour-intensive and fast-paced cabinetmaking environment, reduction of cutting operations and time is highly important. The online cutter has an option to minimize the number of cutting layouts. Hence, several stocks can be place in a pile and cut at once.

The calculation result summary gives the used and waste areas, utilization rate and number of cut parts and un-cut parts (if any). For each cutting layout there is graphical web page with navigation and zoom-in and zoom-out functionalities.

The online panel cutter is free to anyone and accessible from Optimalon’s website at the following link: https://www.optimalon.com/online_cut_optimizer.htm

Denis Smirnov



Options to export cutting layout into Excel or DXF files.

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