Intelligent Manufacturing: Cut Rite Version 9

Optimize Your Production!

Software: Cut Rite Version 9
Cut Rite gives you a competitive edge, with the most advanced, flexible and comprehensive optimization and production software on the market.

Cut Rite is ideal for most panel processing applications including: architectural millwork, store fixtures, kitchen and bathrooms, closets, cabinet and entry doors, office furniture, plastic fabrications and many more!

V9 builds on the powerful and proven features of this best-selling software by incorporating hundreds of new ideas, in response to feedback from our large and valued customer base

Proven Worldwide

Thousands of companies in more than 40 countries already use this software to transform their design, cutting and finishing performance. They know that Cut Rite interfaces easily with a vast range of equipment from sliding table saws, through CNC beam saws to multiple axis saws, edge-banders, routers and machining centers. With industry standard protocols, our software works seamlessly for everyone, from the smallest operations to multiple machine installations.
Flexible Software Requires a Solid Base

The Basic Features

Ease of use, powerful integration and a solid base is Cut Rite’s formula for success. The modular design of the software lets you choose exactly the modules and functions you need making Cut Rite flexible, easily configurable and tailored to your needs. Nearly all the modules can be combined with each of the levels - and can also be added on later if desired. You can link with other applications and external systems using Cut Rite’s open format import and export facilities, and there’s also a network option which allows library data to be shared in a multi-user environment.

Advantages at a Glance
- Increase your output
- Ensure optimum integration with other software
- Cut material costs
- Reduce errors
- Achieve faster lead times
- Eliminate machine setup
- Three Base levels, Express, Pro and Nesting with 7 supplementary modules for tailor made solutions.
- Rapid return on investment –

Integrated Board Library

With this basic feature you have information about your boards always at your fingertips. Furthermore, the integrated board library can also be used for:
- board and offcut stock control*
- stock control of edging and laminating materials.*

*functions automated with (SC) module

Customizable Reports

Whether waste or material costs, board usage or pattern graphics - all the information you need is instantly available via the navigation tool bar. Standard reports can be personalized or create your own custom reports with Cut Rite’s powerful report design tool.

Accurate Cutting Lists

Easy, fast and reliable: Data can be entered in the parts/cutting list either by hand or easily imported from other software programs like Excel, Microvellem, Planit Solutions and many others. The Parts List screen can be personalized by activating which fields of information you wish to view and can include up to 99 customized fields of information for each part!

Flexible Parameters

The software includes easy to edit, graphically represented parameters that allow you to customize the solutions for your manufacturing requirements.
Which Cut Rite Is Right For You?

Whether Express or Professional: with the latest generation of Cut Rite HOLZMA offers optimization software that is ideally suited to meet individual challenges. After all, the know-how of the world market leader in horizontal panel sizing technology and the experience of more than 25 years’ in-house software engineering is contained in the two powerful levels. An advantage that pays off.

Standard Features

- Allows manual entry of part lists and electronic data importing, including lengths, widths, quantity, grain, and up to 99 additional information fields.
- Manage multiple materials - grained and non-grained - and merge information with similar jobs to maximize efficiency and yield potential.
- The Cut Rite Board Library allows you to create an index of standard materials with multiple sheet sizes and manipulate them for individual jobs.
- Optimize Grain Matched Patterns from the Pattern Library. The optimizer will then place those parts in accordance with the specified template.
- Produces detailed optimizations that can be electronically transferred to CNC panel saws. With Cut Rite’s pattern amendment tools, optimizations can be readily edited to most efficiently utilize offcut areas or create specific part arrangements.
- Reports include material usage, yield information, costing, parts produced, pattern drawings, and full cutting instructions.
- Create and Report on re-usable Offcuts

Cut Rite Express (SO)

optimizer | saw interface | pattern amendment

Designed for small to medium jobs with many different materials and sizes. Ideal for boosting cutting efficiency for manual cutting operations as well as entry level beam saws. Simple but Powerful!

Cut Rite Professional (PO)

optimizer | saw interface | pattern amendment

The most advanced and detailed optimization software available anywhere. The software which defines Optimization in terms of panel processing. True material cost vs. cutting time evaluation with detailed preferences. Set as many lists of preferences as you like to control your cutting anywhere from maximum yield to minimum cutting time.
(Refer to Comparison chart for a more complete list of features)
<table>
<thead>
<tr>
<th>Cut Rite Express (SO)</th>
<th>Cut Rite V9</th>
<th>Cut Rite Professional (PO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>★</td>
<td>User Defined Part List Import</td>
<td>★</td>
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<tr>
<td>★</td>
<td>Multiple Materials in a Part List</td>
<td>★</td>
</tr>
<tr>
<td>99</td>
<td>Additional Information Boxes</td>
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<tr>
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<td>Max line items per Part List / Run</td>
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<tr>
<td>10,000 Parts Total</td>
<td>Maximum Total Part Quantity</td>
<td>20,000 x 99,999</td>
</tr>
<tr>
<td>★</td>
<td>Allow Part Over / Under Production</td>
<td>★</td>
</tr>
<tr>
<td>★</td>
<td>Material Cost Calculation</td>
<td>★</td>
</tr>
</tbody>
</table>

**Part Costing**

- Product Costing w/ PR Module | ★
- Cutting results based on Time vs. Yield | ★
- Material and Board Specific Parameters *(New for Express)* | ★
- Batching of Multiple Lists | ★
- Grain Matching By Template with PA Module | ★
- Off Cut Evaluation and Re-inventory w/ SC module | ★

**Additional Information Boxes**

- Maximum Total Part Quantity | 20,000 x 99,999
- Additional Information Boxes | 99
- User Defined Part List Import | ★
- Allow Part Over / Under Production | ★
- Material Cost Calculation | ★

**Material and Board Specific Parameters** *(New for Express)*

- Cutting results based on Time vs. Yield | ★
- Material and Board Specific Parameters | ★
- Batching of Multiple Lists | ★
- Grain Matching By Template with PA Module | ★
- Off Cut Evaluation and Re-inventory w/ SC module | ★

**Open Part / Stack Limit**

- Now with User Defined setting | ★

**Board Selection Control Limit**

- Priority Part Control | ★

**Plus Parts- Now with Material Range!**

- Extended Headcut / Recut Settings | ★

**Connection to Holzma Angular Saws**

- Connection to Holzma Angular Saws | ★
- Cut Rite Nesting *(New Available Module!)* | ★

**Algorithms- Optimizer Types**

- Extended Optimization time – for maximum results | ★
- Small Quantity - Parts less than 10 qty by size. | ★
- Rip Only *(New for Express)* | ★
- Cross Cut Only *(New for Express)* | ★
- Medium Quantity I & II- Parts 10-50 qty by size | ★

**Full Sheet I & II- Volume Production**

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**Strip Production - Complete all rips and cross cuts separately**

- Strip Production - Complete all rips and cross cuts separately | ★

**Automatic Selection I & II- Selects appropriate algorithm by part list length and quantity or Optimizes with several algorithms and reports best solution New!**

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**Reduce Waste and Increase Volume**

Cut Rite reduces costs and boosts production efficiency. This software generates the most cost-effective cutting patterns for sheet material, helping you reduce raw material waste by up to 30%. At the same time it allows faster machine setup, increasing your output by up to 20%. To ensure you operate at optimum efficiency, Cut Rite generates cutting patterns that balance the cost of cutting time with the savings in raw material usage. If your priority is for faster production with simpler patterns, Cut Rite can tell you how much extra raw material cost is incurred - keeping you informed and in control.
The Cut Rite NE module contains an advanced set of nesting algorithms for rectangular and true-shaped nesting and can handle the varied requirements of small, medium and large companies. NE offers Grain Matching templates which allow the user to define a part as a member of a grain-matched set and then place those parts in accordance with the specified template. Allows manual entry of part lists and electronic data importing, including lengths, widths, quantity, grain, and up to 99 additional information fields. Manage multiple materials - grained and non-grained - and merge information with similar jobs to maximize efficiency and yield potential. The Cut Rite Board Library allows you to create an index of standard materials with multiple sheet sizes and manipulate them for individual jobs. Cut-Rite produces detailed nesting results that can be electronically transferred to CNC machines and routers. NE also offers the ability to edit the nested results allowing the most efficient use of offcut areas or to create specific part arrangements. Reports include material usage, yield information, costing, parts produced and pattern drawings.

NE also includes a variety of parameters that allows the user to control the nested results including how small parts are produced, whether or not they require skin cuts or if they can be placed on the edge of the panel. Parts can also be prioritized allowing them to be produced before other non priority parts.

Integrated with Woodwop

The Cut Rite Nesting (NE) module is fully integrated with the Woodwop software from Homag and Weeke. You can use Cut Rite’s built in CNC Machining Library or WoodWop for creating machining drawings for Nesting in Cut Rite.

Barcode Part Labels

NE includes the full custom label layout editor for the creation of individual part labels at your workplace. Regardless of whether text, graphics or barcodes; you can customize the layout to suit your particular part identification system.
Part Library and Office Part Labels (PL)

This module saves you time-consuming manual data entry in individual parts list. Frequently used parts are stored in a database and can be added to parts list by a simple mouse click, which saves time and cuts down on errors.

The PL module adds a powerful database so you can store all pertinent data about each part and allows you to easily retrieve this data by simply typing the part number or by a simple click of a button thus allowing you to enter cutting lists quickly and accurately. The information that can be stored includes standard part data for size and material, but can also include costing information, hardware items, barcode information, special part routing data and much more.

Store All Important Details

All part characteristics can be stored as parameters in the database. Multiple creation of identical parts is thus systematically avoided. You can also store hardware, required machining steps and their cost in the part library.

Your Advantage:

in combination with the “Product Library” and “CNC Programming” modules you can compile complete job parts lists and obtain detailed job costing.

Create Custom Labels

The layout editor allows you to create and print identification labels directly at your workplace. Regardless of whether text, graphics or barcodes: you can customize the layout to suit your particular part identification system.
Product Library, Quotes, and Orders (PQ)

You’ll create variable parts lists in no time at all with Cut Rite’s Product Library. Furthermore, in combination with the “Part Library” module you’ll be able to define and manage whole products and components. The functionality goes far beyond cutting operations - all the work steps and materials can also be integrated in the calculations.

The ideal module to create quotations and process orders quickly and easily. The versatile data entry screen makes it especially easy for you. The program is open and flexible for personalized layouts and linked to your customer database, allowing you instant access to all relevant data.

This module can, if desired, extract all order details from the other Cut Rite libraries. This allows especially quick, complete calculation of all costs for products, parts, hardware and machining.

Simple parameters and formulae are all you need to define your products. The variables are not defined until just before production is started. With the aid of sophisticated and detailed parameterization that customizes the program exactly to your products and simplifies the process making the system even more flexible.

This module allows you to create and assign product drawings. This way you always have a complete overview. The system also follows a start-to-finish approach when calculating job costs and takes the entire production process into account.
Board Stock Control (SC)

Boards, hardware and edgings: What and how much have you really got in stock? The “Board Stock Control” module provides you with reliable answers. A comprehensive system allowing you to allocate available boards and offcuts to current jobs. This allows you to see what stock is actually available and optimize your orders and deliveries.

Information at a Glance

Comprehensive reports and analyses for value of stock, minimum stock levels and monthly material consumption ensure increased efficiency in purchasing and stock-keeping. Information that pays off.

Maximize Yield

The Stock Control Module gives you the right tools to manage and inventory re-usable board stock or Off-Cuts allowing for maximum yield to be achieved for each optimization.
CNC Machining and CNC Linking (MI)

Whether horizontal or vertical drilling, routing of grooves, arcs, arches or cut-outs and contours - with this module you can enter exact dimensions for all the CNC machining needed by the part. Then you can generate drawings as required and transfer the data by a mouse click to your CNC machines.

Flexible and Accurate

Parametric CNC data allows all the machining steps to be automatically adjusted to the respective part size. An aligning grid guarantees exact positioning of all processing objects.

Perfect Linking

Nearly all CNC-controlled machining centers can be controlled via this module, which transfers your data directly to the machining center. Another feature: part drawings generated with this module can be printed directly on route cards and part labels if required.
Edging and Laminating (EL)

Varying edge widths, types of trim and allowances make it difficult to calculate the quantities of laminate and veneer material and all kinds of edging. A challenge you can master effortlessly with this module. It is even possible to pass data on to downstream machining stations by barcode. Ideal conditions for integrating your manufacturing cells here as well.

**Time, Costs and Stock at a Glance**

The total amount of edging tape required and its cost are clearly listed, as are the sizes and quantities of the laminate sheets required. You get a detailed calculation of time and costs for the edging process. In combination with the “Board Stock Control” module, stock will at the same time be checked for the required edging material.

**Accurate Results - Automatically**

This module automatically calculates the cutting lists, taking all edging widths and allowances for subsequent joining into account. Up to 9999 edging and laminating materials can be stored in the edging library for this purpose.
Destacking (DS)

This module specializes in destacking your parts as efficiently as possible. You define the rules. The heart of the module is an extensive database with destacking methods and parameters for the calculation of baseboard sizes. If you use automatic destacking systems, you can define their size here so that the cutting patterns are created in accordance with your settings.

Networked Operation

All destacking details can be transferred to automatic destacking systems. What’s more, in combination with the “Part Library” module you can also create appropriate labels for your pallets or stacks.

Clearly Arranged Destacking

Cutting pattern by cutting pattern, the destacking summary shows which part belongs on which pallet. The layout of the parts is graphically displayed for every single pallet.