RS-Opt Sawline

RS-Opt achieves maximum value from every log. The user-friendly application with a modern look and feel and a praphic user interface makes it easy for the operator to control production. Log optimisation is is a continuous process during production based on a 3D-model of the log created in the 3D log scanner. After passing the scanner, the optimisition program calculates the optimal value based on best economical value, maximum volume or other customer requirements. RS-Opt is also a good tool for simulation and planning of the production, taking all possible cut patterns in consideration.

RS-OPT GIVES:
- Real time optimisation without limitations.
- Optimal positioning data. Decides the best position for the log. Finds best log turning and side shifting option for every log and cant.
- Simulation tool made for production planning.
- Off-line optimisation.
- Good tools for analysis of the results with flexible reporting selection criteria. Including data export to several external administrative systems.

OPTIMISING
Under given circumstances, the optimiser finds the best values for sweep sawing, log turning, side shifting and other parameters to make the best of the material in the current machine layout. To give the RS-Opt enough input, volume value of the wood, all rules apliccable and the limitations in the machine layout is given to the system. The optimising process then finds the combination of products and positioning that gives the highest value taking set rules into consideration. RS-Opt thus not only determines the best position for the log but also the best log turning for every log and cant.

PRODUCT DEFINITIONS
Every optimisation and cut pattern result is based on the product definitions available. The products are created based on cut pattern position, species, economic value (price/m3), priorities, wan allowed, machine settings, etc. All data are entered into cutting programs to be used for customer requirements and/or species.

## SIMULATION FOR PLANNING AND VERIFICATION
The system is a perfect tool to plan the production. It can also be used for simulations off-line, where log by log or a set of logs can be subjected to simulated sawing. It is also possibe to test the outcome of scenarios with, for example, new positioning, products and sawing programs.
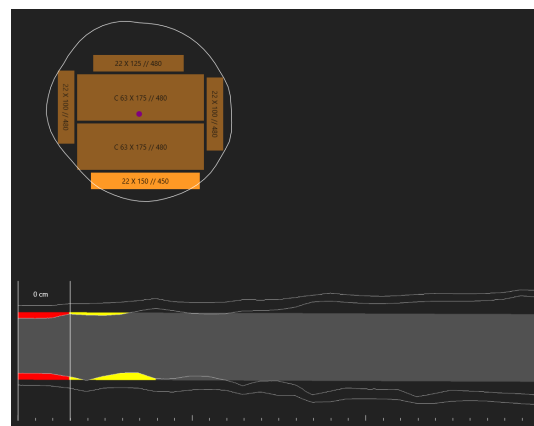
Cut pattern during production
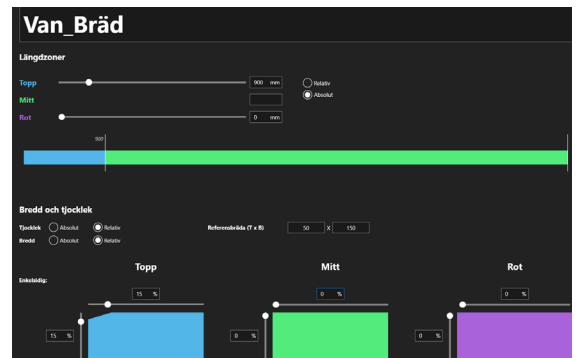
RemaSawco

REPORTS AND STATISTICS

All data from the production is saved in a database. Reports from the production can be created based on time, class of timber or species. The optimisation result is presented in real time in a modern interface.
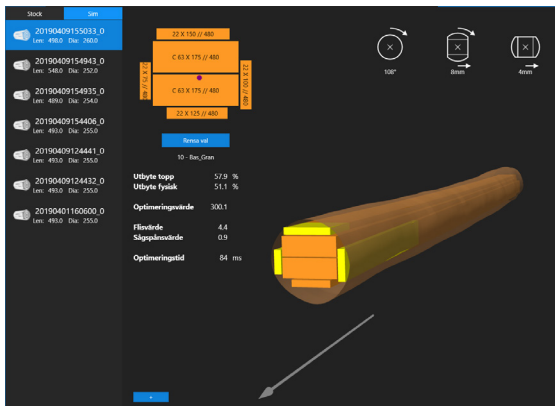

Detailed data in real time from the last optimised logs

USER-FRIENDLY INPUT

The registration of product and ruleset data is done in a user-friendly interface based on the relationship between different product and rule entities so as to avoid having to enter information several times in different locations. The program uses visual tools to communicate clearly the ultimate effect of the various parameters.

Example of wane rule setting visual tool
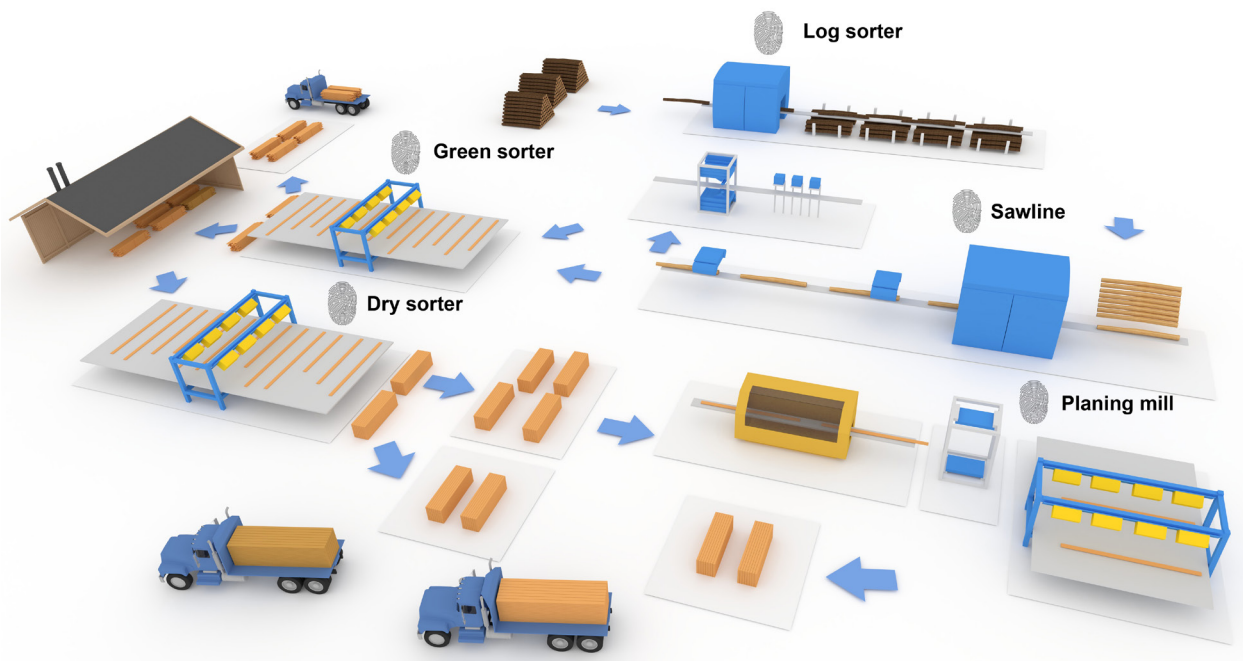
The digital sawmill. Evolved.

RemaSawco's goal is to have all products and systems interact seamlessly within the concept of The Digital Sawmill. This means that each component will not only perform its specific tasks, but also share its data with all other units. With this architecture, traceability and production supervision will be achieved, improving product value and efficiency for the end customer.

remasawco.se

RemaSawco