



RS-EndSorter

BOARD ORIENTATION WITH INNER OR OUTER PIECE DETECTION

RS-EndSorter inspects the board-end surface and delivers information about the properties of the board-end surface. The system can be configured to detect up- and downside, inner or outer board in cut pattern and more.

UP OR DOWN DETECTION

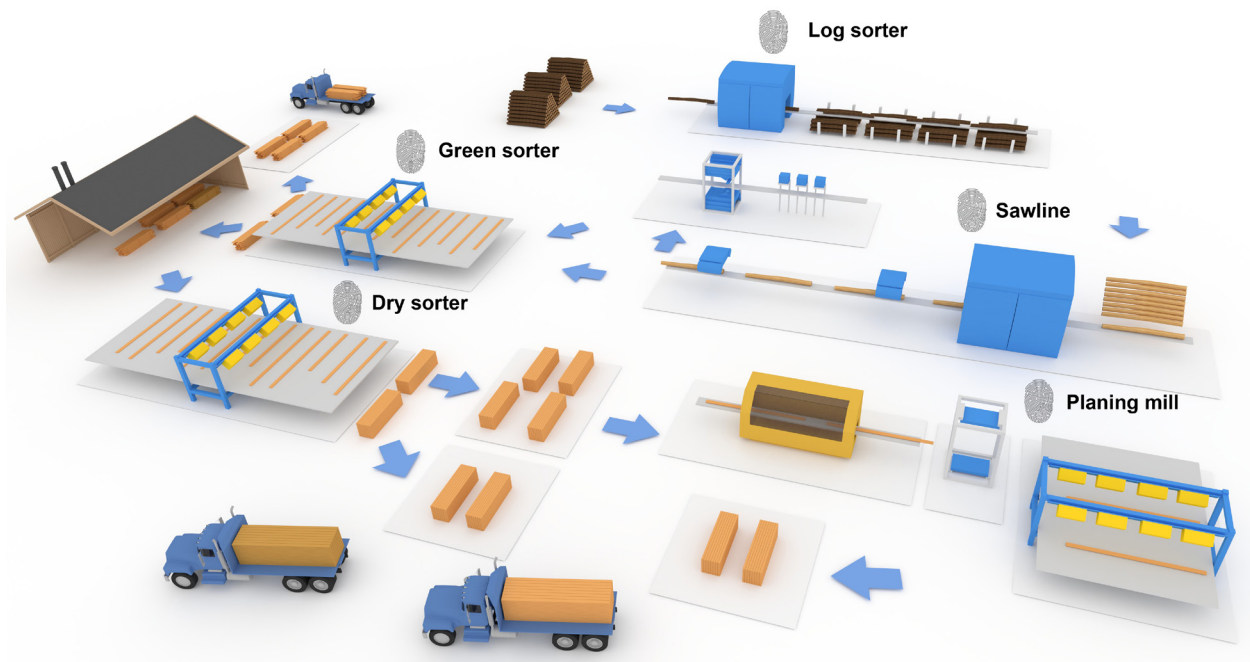
By taking a high-resolution photo of the board end and make an analysis of the annual rings, the system can make a very accurate decision as to which side is closer to the pith location in the original log. The system is highly accurate in a normal environment when the annual rings are clearly visible. If the ends are dirty or the saw blades have made marks on the end, or if there are many knots, accuracy is reduced but most of the time, the evaluation of the data will turn out to be correct even for such boards.

INNER OR OUTER PIECE

The system uses the same data as for up or down detection. The inner/outer analysis finds a location where the centre of the annual rings is located (pith location). In combination with the current board, the pith location and a user defined setting, the system tells if the board is an inner or outer piece. By changing the settings, the system can act exactly as the user wants.

BENEFITS:

- Quick and robust. Made for high line speeds with a camera and light source that can be run 24/7.
- Correct detection and flexible functions. The board end can be leaning up to over 75 degrees without any problems. No false detections even if the piece has cup or is vibrating.
- Minimal need of calibration and service. If the camera or light source has to be changed, no special skills are needed.
- Easy installation and commissioning. Camera and light source should be mounted near a board end in a transversal board system.
- Very small physical footprint. No need of changes in existing mechanics.



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.