

SOLUTION · BOARD LINE

Secondary Breakdown

Precise grading and smart cutting decisions for every board

100%	±0.5 mm	AI	Multi
Board coverage	Dimensional accuracy	Defect detection	Grade output

After initial sawing, OEM Vision scanners and software analyze every board in detail — dimensions, defects and quality features. This data enables **precise decisions** for trimming, edging, sorting and grading. By combining 3D scanning with advanced optimization algorithms, the system reduces waste, improves recovery and maintains consistent product quality throughout the line.

WORKFLOW

Scan, detect, decide, sort

01
Scan
Four faces in one pass: 3D laser, colour imaging and tracheid scatter.

02
Detect
WoodScan AI classifies defects, grain deviation and hidden knots.

03
Decide
Optisoft balances trim and rip decisions against your product mix.

04
Sort
Grade and bin decisions are sent directly to line PLCs.

COMPONENTS

Board scanning and grading in lockstep



HARDWARE

ARAS-L BoardScan

Longitudinal board scanner for full surface profile and defect detection; up to 120 m/min.



HARDWARE

ARAS-T BoardScan

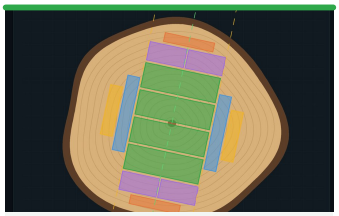
Transverse scanning on the lugged chain; dimensional and grade data at the trimmer, up to 240 lugs/min.



SOFTWARE

WoodScan

Real-time sorting, grading and tracking that turns scan data into operational decisions.



SOFTWARE

Optisoft Optimizer

Smart optimization that turns precise scan data into the highest-value cutting decisions.

COMPARISON

ARAS-L or ARAS-T?

	ARAS-L BoardScan	ARAS-T BoardScan
Flow direction	Longitudinal (lengthwise)	Transverse (lugged chain)
Speed / capacity	Up to 120 m/min	Up to 240 lugs/min
Board thickness / width	Up to 200 mm / 600 mm	Up to 200 mm / 600 mm
Sensors	3D laser · Colour · Tracheid	3D laser · Colour · Tracheid
Typical position	Edger, planer line	Trimmer, green/dry sorter
Model	Aras-L-SM60	Aras-T-SM60

BENEFITS

More value from every board

1	**Full board coverage**	All four faces of every board are scanned; nothing passes unchecked.
2	**Consistent grading**	The same rules apply on every shift and every line.
3	**Higher value recovery**	Defect-based trim and rip decisions extract the highest market value from each board.
4	**Log-to-board traceability**	WoodScan Trace links every board to its source log and its position within the log.
5	**Easy retrofit**	A compact frame, 390 mm shorter, simplifies integration into existing lines.

POSITION IN THE MILL

Secondary breakdown in the sawmill flow

01 Logyard

- TUNA LogScan
- **WoodScan**
- **Optisoft**

→

02 Primary Breakdown

- TUNA LogScan
- ALTAY LogScan
- **Optisoft**

→

03 Secondary Breakdown

- **ARAS-L BoardScan**
- **ARAS-T BoardScan**
- **WoodScan**
- **Optisoft**

Get more value from every board

Contact our team for a site survey, layout proposal or a live demo.

Request a Demo

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Specifications are subject to change without notice. Actual performance depends on line configuration, material dimensions and operating conditions. Images are for illustration.