


SOLUTION · SAWLINE

# Primary Breakdown

Precise measurement, intelligent cutting decisions and maximum board recovery

| 15%+ | ±1 mm | < 200 ms | 360° |
|---|---|---|---|
| Yield gain | Precision | Decision time | Scan coverage |

Every log arriving at the sawline carries hidden value. OEM Vision's scanning and optimization solutions measure each log precisely for shape, size and quality, and Optisoft turns that data into **the highest-value cutting strategy** in line with your production goals. ALTAY LogScan tracks log rotation and orientation in real time, giving operators full control of the process. The result: less waste, higher-quality boards and a sawline that runs smarter from start to finish.

WORKFLOW

## Measure, model, optimize, position

**01**
### Measure
TUNA LogScan captures log geometry and quality at the sawline infeed.

**02**
### Model
ALTAY LogScan scans the log 360° in position, building a 3D model including sweep, taper and ovality.

**03**
### Optimize
Optisoft evaluates 10,000+ cutting patterns per log in under 200 ms.

**04**
### Position
Setworks are positioned over PROFINET with millimetre-level precision.

COMPONENTS

## Hardware that sees, software that decides




HARDWARE

### TUNA LogScan

High-throughput 3D log scanner at the infeed; geometry plus optional X-ray internal quality.




HARDWARE

### ALTAY LogScan

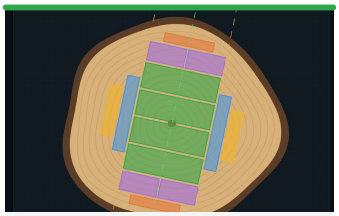
Scans the log 360° where it sits and tracks rotation and orientation in real time.



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.

BENEFITS

## Cut smarter on every log

| | | |
|---|---|---|
| 1 | **Higher yield** | The most valuable pattern is selected for every log, with a potential yield gain of 15% or more. |
| 2 | **Less waste** | Decisions based on true geometry cut the material loss of estimate-based sawing. |
| 3 | **Consistent product quality** | Board dimensions and quality standards stay consistent from shift to shift. |
| 4 | **Operator control** | Log rotation and orientation are tracked in real time, keeping operators in full control. |
| 5 | **Aligned with production goals** | Cutting decisions are balanced against product prices, demand priorities and machine constraints. |

TECHNICAL SUMMARY

## Key figures

| | |
|---|---|
| **Scan coverage** | 360° (ALTAY LogScan); no rotation or second pass required |
| **Log diameter** | ALTAY: up to 650 mm · TUNA: up to 1200 mm |
| **Scan time** | 1 s/m (ALTAY) |
| **Measurement accuracy** | ±1 mm |
| **Optimization** | < 200 ms decision time; 10,000+ cutting patterns per log |
| **Machine interface** | PROFINET; direct PLC setworks control |
| **Mounting positions** | Headrig carriage · End dogger · Close-coupled infeed · Conveyor |

POSITION IN THE MILL

# Primary 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**

## Lift your sawline’s yield with OEM Vision

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.