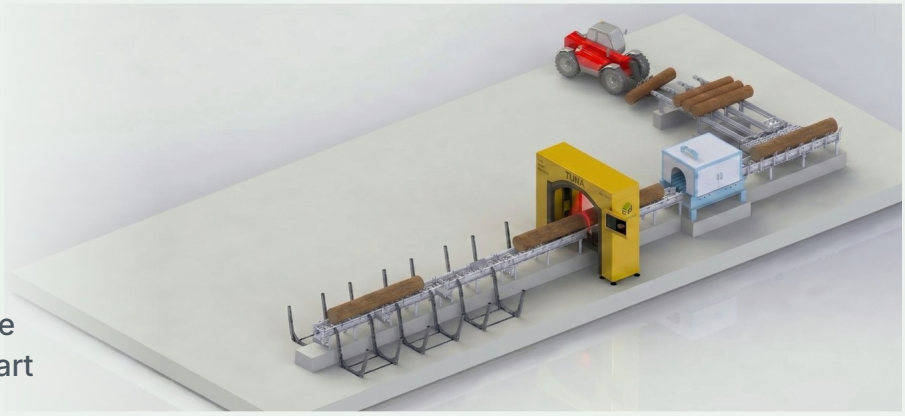
SOLUTION · LOGYARD

Logyard Solutions

Measurement, sorting and tracking in the logyard with precision scanning and smart software



100%
Traceability

±1 mm
Scan accuracy

180 m/min
Scanning speed

24/7
Operation

The logyard is where value is first decided: logs are measured, sorted and stored here. OEM Vision's scanning and software solutions deliver **precise measurement, efficient sorting and optimal log utilization**. Detailed insight on every log reduces waste, maximizes board yield and streamlines operations from the very first step.

WORKFLOW

The digital thread: from yard to finished board

01
Scan
The log is digitized at the infeed by TUNA LogScan.

02
Analyze
Geometry, quality and species data identify the highest-value path through the log.

03
Execute
The decision is pushed to your machinery for physical sorting or sawing.

04
Track
Every log keeps a digital twin — full traceability from yard to finished board.

COMPONENTS

Inside the logyard



HARDWARE

TUNA LogScan

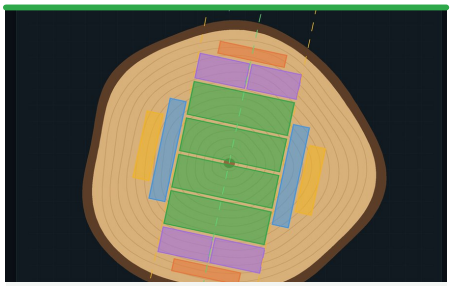
High-throughput 3D log scanner at the infeed; geometry plus optional X-ray internal quality.



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

What changes in the yard

1	**Automatic log intake**	Every incoming log is measured and recorded automatically, eliminating manual scaling and its inconsistencies.
2	**Value-based sorting**	Logs are routed to the right bin by geometry, quality, species or any customer-defined criteria.
3	**Supplier and payment management**	Log payment calculations run alongside sorting; every delivery is reported per supplier.
4	**Shift and downtime tracking**	Operators are tracked across shifts; downtime events are recorded and reported by reason.
5	**Inventory and planning**	Real-time log inventory feeds production planning for optimal log-to-product allocation.
6	**ERP integration**	Structured production and supplier data is exported to existing ERP systems.

TECHNICAL SUMMARY

Key figures

Scanning speed	Up to 180 m/min (TUNA LogScan)
Log diameter	Up to 1200 mm; up to 650 mm with the X-ray module (optional)
Measurement accuracy	±1 mm repeatability
Sorting criteria	Geometry · Quality · Species · Customer-defined rules
Operation	Continuous 24/7; IP65 enclosure, automatic self-calibration

Connectivity	Ethernet · OPC-UA · REST API · ERP data export

POSITION IN THE MILL

The logyard 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**

Ready to modernize your logyard?

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.