



PixoAnalytics

PIXOBOARD

No label? No trouble.

From forest to
product:
full traceability
without labels!



origin

industry lacks sufficient tools
to meet EUDR regulations



counterfeit

high-end producers
experience massive losses
due to imitation
and fake labels

quality control

surface analysis helps
identifying abnormalities
in logs and boards

PixoBoard

PixoBoard is an AI-powered computer vision solution designed to help forestry and wood products industry stay compliant with EUDR regulations, automatically detect defects, digitally identify logs and wood-based panels — even when original labels are missing or damaged.

Using advanced image recognition and patented surface analysis, PixoBoard recognizes each log and wood-based panel by its unique digital fingerprint — the combination of its texture, shape, and pattern.

This enables operators to instantly identify, locate, and verify panels and boards without relying on barcodes or labels — and even allows customers to verify the product with their smartphones.

Benefits

- 1. EUDR-compliant exports:** End-to-end traceability solutions from the forest to the final product. PixoBoard registers geolocation of each felled log.
- 2. Prevention of counterfeit products:** Protecting the brand against imitation products in the market.
- 3. Post-production product counting:** Quantity verification by camera is significantly more accurate than PLC-based counting.
- 4. Camera-assisted quality control:** Automating quality control processes through AI-powered camera systems.
- 5. Simplified warehouse operations:** Track & trace products with pallets within the warehouse automatically through forklift cameras.
- 6. Intelligent mixture management & quality improvement:** Automatic adjustment of glue ratios based on product type to reduce production costs.



How does it work?

TAKE A PHOTO IN THE FOREST

Take a photo of the log pile in the forest.
The logs are assigned unique digital ID with the origin data.



TAKE A PHOTO IN THE FACTORY

Take a photo of the logs entering manufacturing facility to verify the exact origin of the timber.



EACH BOARD RECEIVES A DIGITAL ID

Newly manufactured wood-based panels (mdf, chipboard, etc) and boards are assigned new digital IDs which link them back to the original logs and make them traceable forward throughout the entire supply chain.



RETRIEVE DIGITAL ID

Every operator and customer can scan a board with their smartphones to instantly verify it and access detailed specifications of the board even after custom cutting - all without labels or other visible markings.



No label? No problem.

Each board has its **unique and natural surface structure** that we call **fingerprints**.
Our technology creates a **code with digital ID** for each fingerprint and compares codes to find a match.

