

XERPIUM

Plywood

Enterprise Resource Planning

Complete integrated ERP solution for
plywood industry

2000+

MODULES

AI

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PREMISE

English Edition — brosur.xerpium.com

Plywood Production Ecosystem

XERPIUM PLYWOOD is a manufacturing solution specific to the plywood industry — from log receiving, peeling/drying/gluing/pressing processes, quality grading, export packing, to yield tracking and production cost per stage with accurate AVCO stock valuation.

Dynamic Stage Workflow

Every Production Order moves through the standard plywood production stages in sequence, with automatic hooks at each stage transition (log reservation, process/work order creation, yield recording).

□ Production Order (3-Tier)

Production Order — Main order per product specification, linked to Sales Order

Process Order — One order per production stage (peeling, drying, etc.) with workcenter

Work Order — Execution detail per step/route, per shift & operator

Auto Next/Previous Stage — Stage navigation button with completeness validation

Planned Qty & UoM — Required, auto-filled from Product Spec

⚙️ Dynamic Stage Hooks

enter_method — Automatic actions on entering a stage (log reservation, create process order)

Idempotent — Reprocessing a stage does not duplicate data

Primary Workcenter — Auto-assign primary workcenter per stage

Finalize on Packing — Order completes automatically once packing is reached

Cancel & Release — Order cancellation releases the log batch reservation

Log Receipt & Batch

Log Receipt — Log receipt from purchase order, picking auto-filled from PO domain

Log Batch — Log batch per species, volume (m³), QC status

Log Species & Grade — Species master (unique code) & grade (diameter range cm)

Smart Button on PO — Log Receipts & Log Batches straight from Purchase Order

Auto Species Guess — Species detection from purchase product name

Log Shortfall — Detect log shortfall vs required, Request Logs button automatically creates a PR

Product & Veneer Spec

Product Spec — Thickness, length, width of sheet → auto-calculate sheet volume (m³)

Veneer Spec — Veneer class (OPC, PPC, BB, etc.), thickness (mm)

Glue Recipe — Glue composition (UF/WBP/MR/PF), ratio must total 100%

Workcenter — Rotary lathe, dryer, glue spreader, hot press, etc. per stage

Route & Recipe — Process steps per stage, output qty/UoM, byproduct cost share

Shift — Shift working hours with midnight wrap validation

Grading Batch

Grade Sheet — On Grade, Repair, Reject classification per sheet

Defect Code — Defect code per grading line for quality analysis

Downgrade Wizard — Grade reclassification with automatic stock transfer

Auto-fill Lines — Grading lines auto-filled from actual recipe output

State Flow — Draft → Confirmed → Done with sheet total validation

□ Packing List

Container & Bundles — Container number, total bundles, total net m³

Auto-fill Customer — Partner & Sales Order auto-filled from Production Order

Delivery Filter — Picking filtered by parent Sales Order

On-Grade → Stock — On-grade sheet transfer to sellable stock location with accurate cost

Stock Move Trace — Track all stock movements from log to finished bundle

Yield Record, Rollup & AVCO Valuation

Every production stage records a yield record (input/output qty, recovery %, waste %) that is aggregated daily and re-summarized at the Production Order level for accurate KPIs.

□ Yield Record per Stage

Input/Output Qty — From stock moves raw vs finished/byproduct per process order

Recovery & Waste % — Computed automatically, one record per stage (idempotent)

Line per Grade — Output breakdown per grade/product role

Daily Rollup — Daily aggregation per stage & workcenter (cron), including downtime

□ Production Rollup & Valuation

Veneer Recovery % — Log m³ in vs green veneer m² out from the peeling stage

Wholemill Yield % — Log m³ in vs sellable output (grading batch)

On-Grade & Reject % — Sheet count ratio per grade from grading batch

Cost per m³ — Total production cost against output

AVCO per Stage — Valuation layer is only created when stock crosses the virtual production location

Plywood ↔ Purchase

Log Receipts & Log Batches smart buttons on Purchase Order

Auto species guess from product name

Request Logs automatically create a PR on shortfall

Plywood ↔ Sales

Production Order automatically from Sales Order

Partner & sale auto-filled across all derived documents

Packing List → delivery filtered to parent SO

Plywood ↔ Inventory

Stock move raw/finished/byproduct per process order

AVCO valuation layer only at the production location boundary

Full stock move trace from log to bundle

Plywood ↔ Accounting

Costing per m³ & per stage automatically

Standard price update from on-grade transfer to stock

Total cost & byproduct cost share from recipe

Plywood ↔ Dashboard

KPI yield, on-grade %, reject %, cost per m³

Daily rollup per stage & workcenter

Custom dashboards via vit_dashboard_studio

Plywood ↔ Quality

Batch grading with defect code per line

Downgrade wizard with validated stock transfer

QC status on log batch before entering production

Xerpium ERP — xerpium.com

Contact us for a free demo

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