



DuoCron ERP for **Complete Textile Manufacturing Ecosystem**

Yarn, Fabric, Apparel & Home Furnishings



Introduction

DuoCron ERP, built on ERPNext, is an **end-to-end ERP solution for the textile manufacturing ecosystem**—covering **yarn processing, fabric production, dyeing, stitching, finishing, packing, and shipping/export** operations. It replaces disconnected systems with one unified platform, giving textile companies complete visibility and control across all processes.

With features like real-time stock tracking, dye-lot management, job-card-based production, multi-level BOMs, subcontracting, quality checks, and carton/box-level packing, textile manufacturers can run operations with accuracy, speed, and traceability. The system also streamlines import/export documentation, reduces manual errors, and ensures smooth compliance with GST and statutory reporting.

Flexible and industry-ready, DuoCron ERP empowers textile businesses with AI-powered automation and deep operational insights—helping you optimize production, reduce costs, and make faster, smarter decisions.

What Makes DuoCron ERP Sets Apart?

- ✓ ERP is free, pay only for services.
- ✓ Fully optimized, yet easily customizable.
- ✓ Built-in Textile Industry Specific Features
- ✓ Seamlessly integrates with AI and other tools.

10+ Years of
Experience

24*7 Customer
Support

Worldwide
Presence

We Understand Your Challenges

■ Raw Material Variability & Supplier Dependency

Fluctuating yarn counts, dye lots, GSM variations, and dependence on multiple suppliers impact consistency, costing, and production timelines. Manual coordination increases delays and errors.

■ Complex Multi-Stage Manufacturing

Textile production involves spinning, weaving/knitting, dyeing, printing, stitching, finishing, and packing. Without end-to-end visibility, tracking WIP, rework, and throughput becomes difficult.

■ Inventory, FEFO & Warehouse Inaccuracy

Multiple UOMs, mixed lots, carton-level packing, and fast-moving inventories require precise tracking. Lack of automation causes shortages, overstocking, and dispatch delays.

■ Color, Shade & Lot Mismatch Issues

Color matching, shade variation, and batch inconsistencies can cause high rejection rates. Managing lot-to-lot traceability on spreadsheets creates room for costly quality failures.

■ Subcontracting & Job-Work Tracking

Cutting, stitching, embroidery, dyeing, and finishing often happen through multiple subcontractors. Tracking material sent out, received, consumed, and billed is challenging.

■ High Manual Dependency Across Processes

Production planning, job cards, purchase requisitions, packing lists, and export documents are often handled through Excel. This leads to errors, duplication, and slowed decision-making.

We Understand Your Challenges

■ Quality Control Across Multiple Stages

QC is required during raw material receipt, dyeing, stitching, finishing, and final dispatch. Manual QC records cause delays, traceability gaps, and customer complaints.

■ Export, Compliance & Documentation Load

Export-heavy textile businesses manage LC, invoices, packing lists, port documents, HS codes, and certifications. Manual documentation increases compliance risk and affects shipment timelines.



DUO CROON

END-TO-END TEXTILE ERP PLATFORM

Complete Feature Architecture for Yarn, Fabric & Apparel Manufacturers



Production & Manufacturing Management

- Multi-Level BOM & Process Routing
- Job Card & Work Order Management
- Production Planning & MRP
- Spindle-Wise & Machine-Level Monitoring
- OEE, Downtime & Breakdown Analysis
- Preventive & Predictive Maintenance Management
- Waste, Recovery & Reprocessing Tracking



Dyeing, Shade & Lot Control

- Dye Lot, Shade & Color Management



Costing, Profitability & Analytics

- Costing & Variance Analysis
- Count-Wise & Order-Wise Profitability Analysis
- Power & Utility Consumption Monitoring
- Plant-Wise & Multi-Unit Consolidation



Inventory & Warehouse Management

- Yarn, Fabric & F Finished Goods Inventory with Multi-UOM
- Bin-Wise Real-Time Stock Tracking
- Carton & Packing List Management



Export & Compliance

- Import / Export & Compliance Documentation
- Export Realization & Currency Impact Analysis
- Sales, Dispatch & GST Compliance



Subcontracting & Job-Work Control

- Subcontracting & Job-Work Tracking



Export & Compliance Management

- Import / Export & Compliance Documentation
- Export Realization & Currency Impact Analysis
- Sales, Dispatch & GST Compliance



Quality Management

- Quality Control at Every Stage
- Textile Lab & Quality Testing Integration



Workforce Management

- Shift-Based Labor & Incentive Management



Key Features

Multi-Level BOM & Process Routing



Define structured BOMs for yarn, fabric, garments, and finished products. Map all stages—spinning, weaving/knitting, dyeing, stitching, finishing, and packing—with complete traceability.

Job Card & Work Order Management



Generate job cards for every process, track WIP, record material consumption, and monitor machine loading and operator performance in real-time.

Dye Lot, Shade & Color Management



Maintain shade cards, manage dye lots, track color variations, and ensure consistent color accuracy across batches with automated shade-lot mapping.

Subcontracting & Job-Work Tracking



Track material sent out for cutting, stitching, embroidery, dyeing, and finishing. Record receipts, consumption, wastage, and vendor charges with full transparency.

Key Features

Yarn, Fabric & FG Inventory with Multi-UOM



Handle cones, kgs, meters, rolls, bales, cartons, and pieces with flexible UOM conversions. Maintain real-time stock across multiple warehouses and locations.

Carton, Box & Packing List Management



Create carton-level packing lists with net/gross weight, units per box, dimensions, and labels. Auto-generate delivery notes, invoices, and export documentation.

Quality Control at Every Stage



Build QC checks for raw materials, in-process work, dyeing, stitching, finishing, and final inspection. Capture test results, defects, approvals, and rejections.

Import/Export & Compliance Documentation



Manage HS codes, export invoices, packing lists, commercial invoices, LC documentation, and port-transfer records. Eliminate manual errors in export workflows.

Key Features

Production Planning & MRP



Plan raw material requirements, generate purchase suggestions, manage supplier lead times, and ensure production never stops due to shortages.

Warehouse, Bins & Real-Time Stock Tracking



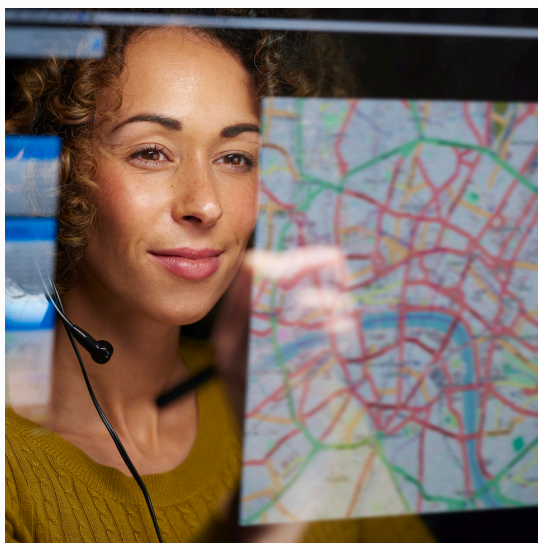
Track material movement across warehouses, godowns, and subcontractors. Use bin-wise stock visibility for raw materials, WIP, and finished goods.

Costing & Variance Analysis



Calculate accurate cost per process, job card, or finished product. Track variances in material, labor, dyeing, and overheads to improve profitability.

Sales, Dispatch & GST Compliance



Manage quotations, orders, dispatches, transport documents, GST R1, R3B, and BR1 reports—all integrated with production and inventory.

Key Features

Spindle-Wise & Machine-Level Production Monitoring



Track production at spindle, loom, and machine level with real-time visibility into output, efficiency, and downtime. Monitor shift-wise production, count-wise yield, and operator performance to improve throughput and reduce bottlenecks.

OEE, Downtime & Breakdown Analysis



Measure Overall Equipment Effectiveness (OEE), planned vs unplanned downtime, and machine utilization. Log breakdowns, root causes, repair time, and recurring issues to minimize disruptions and improve machine reliability.

Preventive & Predictive Maintenance Management



Schedule preventive maintenance for spinning frames, carding machines, ring frames, looms, and dyeing machines. Track spare parts usage, maintenance costs, service history, and lifecycle costing to extend machine life and reduce emergency breakdowns.

Waste, Recovery & Reprocessing Tracking



Monitor hard waste, soft waste, reusable waste, and reprocessed materials at every stage. Track waste percentage per count, machine, or process to improve yield and reduce material loss.

Key Features

Textile Lab & Quality Testing Integration



Record yarn strength tests, CSP, evenness, twist per inch (TPI), fiber quality parameters, shade approvals, and lab dip validations. Maintain full lot-level quality traceability from raw fiber to finished yarn/fabric.

Count-Wise & Order-Wise Profitability Analysis



Analyze profitability by yarn count, fabric type, order, or customer. Track raw material cost, dyeing cost, labor, power consumption, and overhead allocation for accurate margin visibility.

Power & Utility Consumption Monitoring



Track electricity consumption per machine, department, or production lot. Monitor power cost per kg or per meter to control one of the largest expenses in spinning operations.

Shift-Based Labor & Incentive Management



Manage shift rosters, worker attendance, productivity tracking, and incentive calculations based on output, quality performance, and efficiency benchmarks.

Key Features

Plant-Wise & Multi-Unit Consolidation



Consolidate data across multiple plants, warehouses, and subcontractors. Generate plant-wise P&L, production reports, and stock summaries in real time.

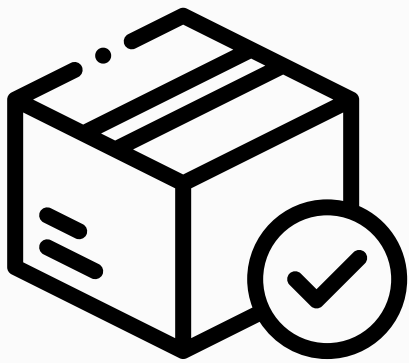
Export Realization & Currency Impact Analysis



Track export orders, currency conversion, realization against LC terms, and forex impact on profitability. Monitor outstanding payments and shipment performance.



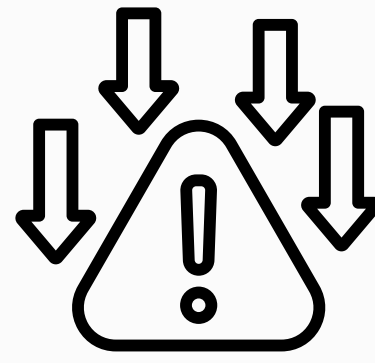
Real Benefits, Real Success



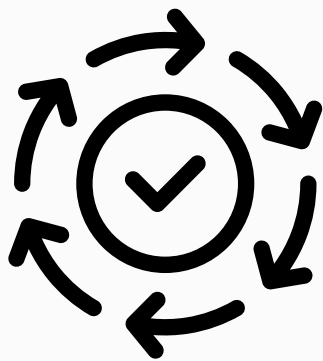
Improves
production speed



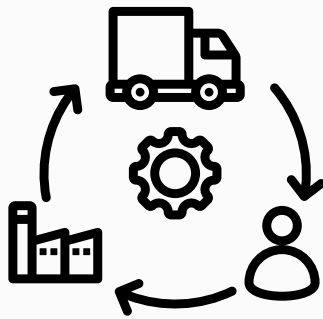
Reduces material
wastage



Ensures dye-lot
accuracy



Boosts order
fulfillment



Enhances stock
visibility



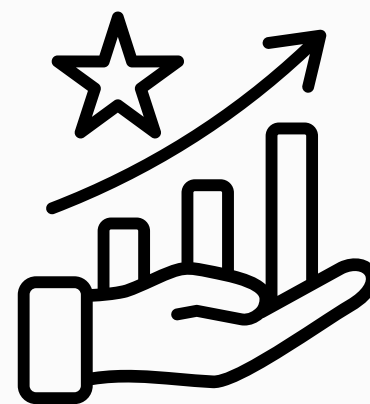
Strengthens supplier
partnerships



Minimizes quality
failures



Expedites sales
cycles



Protects brand
reputation



Contact Us for more
information about DuoCron
ERP for Textile
Manufacturing Ecosystem



www.duocron.com



sales@duocron.com