Dexciss ERP for Discrete Manufacturing

From Design to Dispatch – The Smarter ERP for Precision Manufacturing!

Introduction

Discrete manufacturing is complex, component-driven, and unforgiving to error. From BOM versioning and production sequencing to quality checkpoints and traceability—every step must be exact. Manufacturers dealing in automobile components, electrical assemblies, control panels, precision tools, or consumer electronics face challenges like volatile demand, engineering revisions, and high rejection costs.

Dexciss ERP—built on ERPNext but customized specifically for discrete manufacturing—offers a powerful, process-mapped solution. It brings together everything you need: engineering BOMs, supplier coordination, workstation routing, QC logs, costing, inventory, and after-sales tracking, all in a single cloud platform.

Whether you're a make-to-stock, make-to-order, or engineer-to-order business, Dexciss ERP ensures every part is tracked, every job is costed, and every deadline is met—with no need for external plugins or workaround spreadsheets.

What Makes Dexciss ERP Sets Apart?

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

10+ Years of Experience

24*7 Customer Support

Worldwide Presence

We Understand Your Challenges

Complex, Versioned BOMs with Engineering Changes

Managing 3-level or 4-level BOMs, alternates, variants, and engineering change orders (ECOs) is difficult without a dynamic system. Manual tracking leads to incorrect builds or excess inventory.

Shop Floor Scheduling & Machine Downtime

Without capacity-based planning, machine hours are wasted or overloaded. Inability to sequence work orders by resource availability delays entire production runs.

Fragmented Procurement & Long Lead Times

When raw material and part orders are reactive, vendors can’t deliver on time. Poor purchase planning causes stockouts or excesses, hurting production stability and working capital.

High Rejection Rates Due to Delayed Quality Checks

Without in-process QC, non-conformities are detected post-assembly—wasting effort, materials, and time. Rework rates surge due to missed checkpoints.

Lack of End-to-End Traceability

Tracking where a component came from, which batch it was used in, or where a fault originated becomes impossible without serial/batch tracking linked to BOMs.

Paper-Based Work Instructions & Job Cards

Manual job orders lack routing steps, part lists, or SOPs—causing errors, confusion, and non-standard builds.

We Understand Your Challenges

Hidden Production Costs & Margins Guesswork

When you can’t track labor time, energy usage, material waste, or rework costs per order, margin leakage goes unnoticed.

Disconnected Sales, Production & Support

Customer orders don’t trigger accurate planning. Post-sales issues (like replacements or RMAs) aren't linked to the original job or QC notes—hurting service quality.

Key Features

Multi-Level BOM & Engineering Change Management

Define unlimited-level BOMs with nested assemblies, by-products, alternate items, and routing operations. Track engineering revisions with approval workflows.

Capacity-Aware Workstation & Routing Setup

Create detailed production routings with operation sequences, estimated times, and workstation-specific load planning. Prevent bottlenecks and optimize machine utilization.

Material Requirement Planning (MRP) Engine

Automatically plan raw material procurement based on open production orders, lead times, minimum stock levels, and safety buffers—across multi-location warehouses.

Job Card & Shop Floor Execution Module

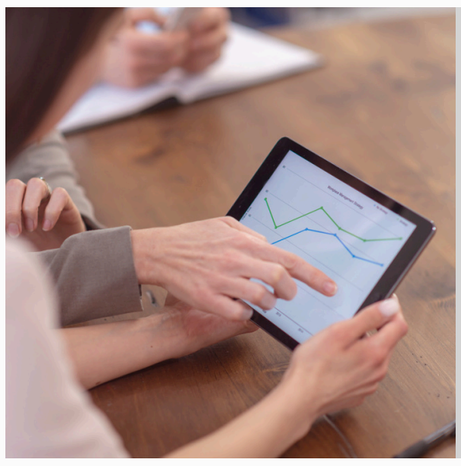
Generate job cards linked to each operation with QR/barcode tracking. Log real-time progress, material consumption, machine hours, and labor time at each step.

Key Features

In-Process & Final Quality Control Integration

Set inspection templates per operation. Capture dimensions, tolerances, fitment accuracy, etc., and block/rework non-conforming parts before assembly.

Serial & Batch Traceability



Every component and product is tracked through serial numbers or batch IDs—allowing complete backward and forward traceability across suppliers, production, and sales.

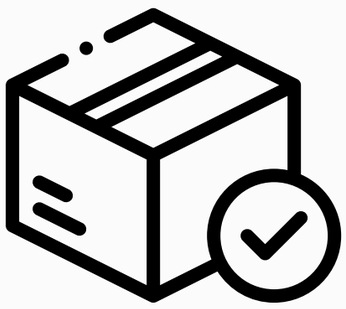
Automated Costing per Production Order

Track actual vs standard cost on every job—covering raw material, labor time, machine hours, subcontracting, rework, and overheads. Get margin reports by product line.

Sales, Delivery & Post-Sales Sync

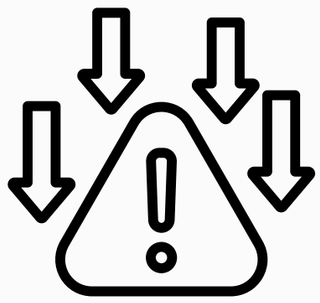
Customer orders link directly to production planning. Dispatches auto-sync with invoices, and service tickets (like RMAs or warranty claims) connect to job history and QC logs.

Real Benefits, Real Success

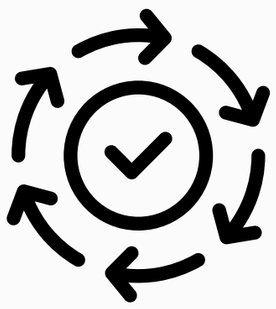


Accelerates market readiness

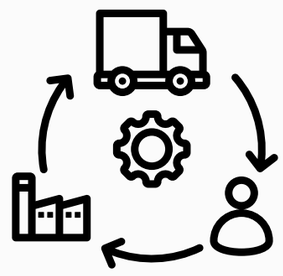
Reduces operational costs



Mitigates compliance risks



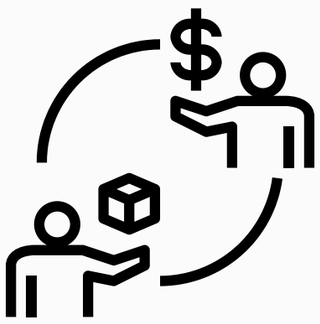
Boosts product consistency



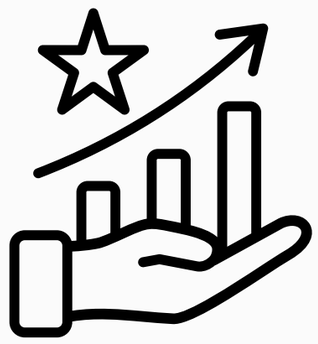
Optimizes inventory turnover

Strengthens supplier partnerships

Enhances financial transparency



Expedites sales cycles



Protects brand reputation

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