















Eastop ERP System - Mechanical Engineering Industry Overview

Industry: Mechanical Engineering **Backgroud:** Mechanical engineering companies provide equipment sales, leasing, and maintenance services

Benefits after Implementation:

- System tracks product serial numbers throughout warehousing, delivery, maintenance, and repair processes
- Automatically generates maintenance invoices, eliminating repetitive renewal work

1. Mechanical Engineering Industry Background

As a mechanical engineering company, our business scope covers equipment sales, leasing, and maintenance services. We will use large-scale mechanical engineering companies as examples for illustration.

2. Industry Characteristics

Product Features in Mechanical Engineering

- Primarily large machinery with serial numbers that must be recorded on delivery notes, maintenance forms, repair orders, and work orders
- Large equipment is stored in specific warehouse locations, requiring system records of product details, receiving documents, and bin numbers
- Each major machine requires preset maintenance periods (in months) in product data

Business Operations in Mechanical Engineering

- Multiple workflows including maintenance, leasing, and repair processes with different document formats
- Maintenance & leasing: Post-sale services require integrated records of sales invoices and maintenance contracts. Serial numbers must be logged in maintenance/lease contracts with auto-generation of renewal contracts
- Repair process: Field engineers must complete service orders documenting repairs









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3. Operational Challenges

- Time-consuming serial number entry for numerous machines complicates maintenance order tracking
- Disconnected sales contracts, invoices, and maintenance documents without centralized client records or auto-renewal functions
- Legacy systems lack scheduling tools for field maintenance assignments

4. Eastop ERP Solutions for Mechanical Engineering Industries Maintenance Contract Management



- Detailed contract records with machine serial numbers (selectable via double-click or manual entry) that auto-populate maintenance invoices
- System-calculated maintenance end dates based on preset periods
- Automatic maintenance fee calculation as percentage of product value
- Eliminates manual record-keeping and fee calculations









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Project Record Management



- Centralized documentation including POs, delivery notes, invoices, and accounts
- Simplified client receipt management with cross-reference capabilities
- Scheduled generation of renewal invoices by specifying year/month/day intervals
- "Auto-Generate Invoice" button creates subsequent maintenance invoices

Service Order System



- Tracks field engineers' work schedules, completion times, and job statuses
- Records equipment serial numbers
- Documents fault diagnoses for future reference







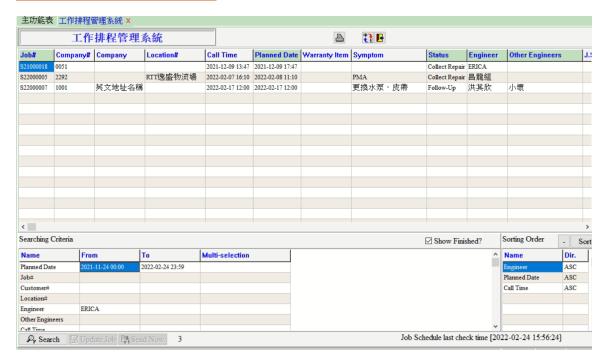


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Work Scheduling System



- Manages field engineers' assignments with timestamps and job statuses
- Logs equipment serial numbers
- Tracks fault diagnostics for historical analysis