eWorkplace
Manufacturing

BatchMaster Business Central Edition

BATCHMASTER®
Process Manufacturing Software

Microsoft Dynamics 365 Business Central is a robust ERP solution for manufacturing businesses, offering powerful tools to manage financial and operational processes. However, it lacks the industry-specific expertise and capabilities required by process manufacturers to meet their unique production needs, compliance mandates, and regulatory requirements.

Originally developed as Dynamics NAV in the 1980s, Business Central has undergone significant improvements to operate in the cloud. Despite these advancements, its foundation relies on older software techniques and architectures, which can limit flexibility. Additionally, Business Central's reliance on the proprietary AL programming language and extensions 2.0 can make customizations more complex and costly, with added expenses for programming capabilities.

This is where BatchMaster shines. Built on modern, industry-standard languages, BatchMaster delivers specialized manufacturing capabilities like robust product development, quality management, inventory management, mobile warehouse management, compliance & traceability, and other critical batch processes. While both ERPs share the same goal of optimizing manufacturing operations, BatchMaster ticks more boxes for process manufacturers for its industry-specific expertise, ensuring their businesses can scale efficiently.

For those already using Business Central, there's no need to replace it entirely. BatchMaster seamlessly integrates with Business Central, allowing you to retain its financial management strengths while addressing the specialized needs of your industry. BatchMaster Business Central Edition acts as a complete solution tailored to process manufacturing businesses.

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BatchMaster Business Central Edition – Seamlessly Integrated for Process Manufacturers

Designed specifically for process manufacturers, BatchMaster seamlessly integrates with Business Central, eliminating the need for costly customizations or disparate tools. This integration allows manufacturers to:

- ✓ Retain the familiarity, ease of use, and robust accounting features of Business Central.
- ✓ Manage manufacturing-specific processes like formulas, recipes, batch production, inventory management, lot traceability, quality and compliance within BatchMaster.
- ✓ Streamline operations with a single, unified solution that connects financials and manufacturing functions seamlessly.

With BatchMaster Business Central Edition, manufacturers can future-proof their operations while continuing to leverage Business Central for what it does best—accounting and financial management.

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How BatchMaster Extends Business Central for Process Manufacturing?

Feature/Functionality	Dynamics 365 Business Central	BATCHMASTER® Process Manufacturing Software
Formula & Recipe Management	• Supports basic Bill of Materials (BOM) management, but lacks advanced features like boilerplates, in-process inspections, and configurable checklists. • Does not support detailed manufacturing instructions, which are critical for process-based production environments	• Supports multi-level formulas, ingredient substitution, and dynamic adjustments during R&D and production • Captures fixed, variable, overhead, and labor costs in formulas • Offers advanced features like boilerplates, in-process inspections, and configurable checklists • Tracks material losses via loss factor and loss constant • Supports dynamic batch sizing by weight or volume • Provides allergen tracking, nutritional analysis, supplement facts, and compliance tools • Offers tools for allergen tracking, nutritional analysis, supplement fact sheet, and compliance with industry standards • Supports claim quantity, overage %, and potency % for Nutraceutical/Pharmaceutical industry

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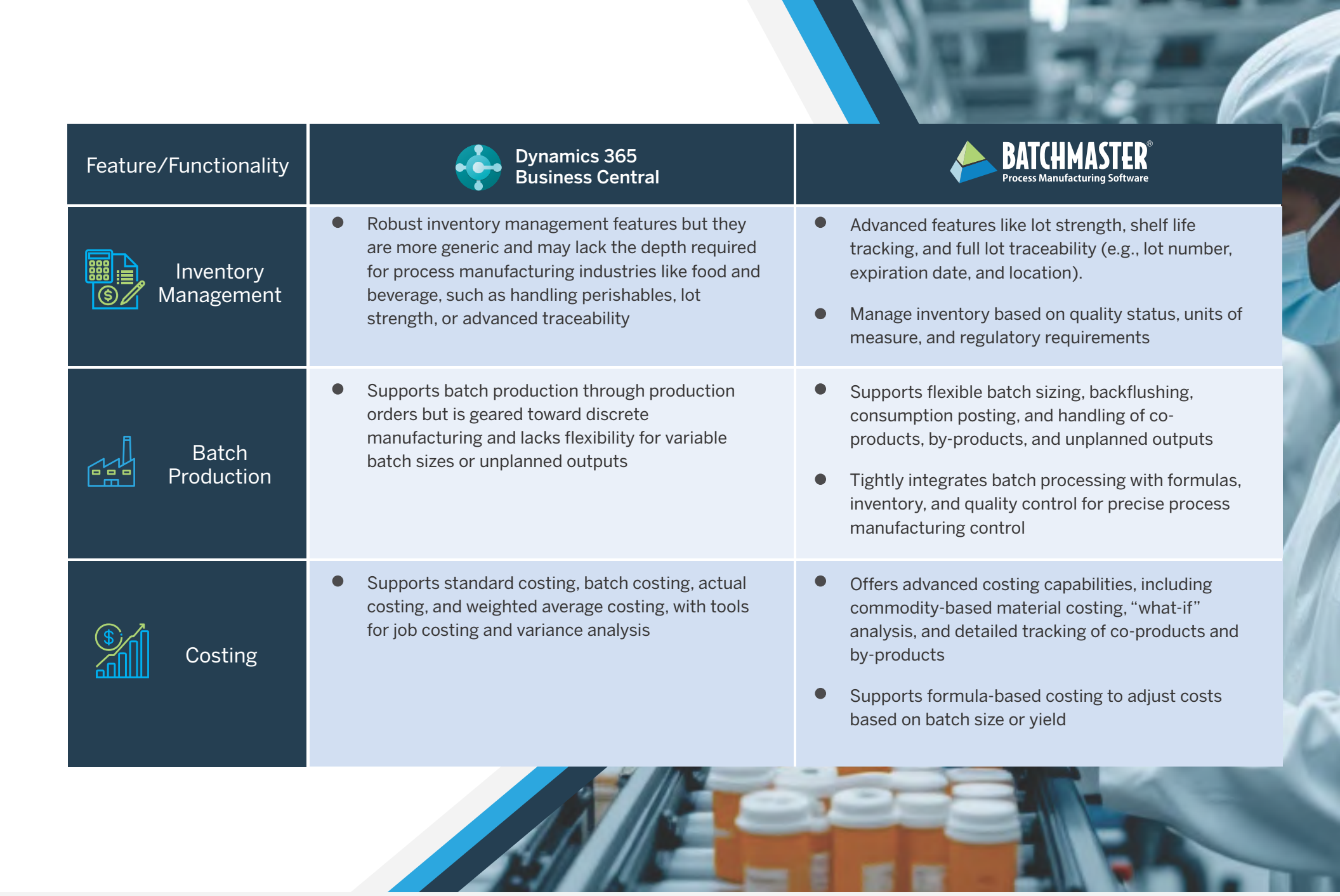

Feature/Functionality	Dynamics 365 Business Central	BATCHMASTER® Process Manufacturing Software
Inventory Management	• Robust inventory management features but they are more generic and may lack the depth required for process manufacturing industries like food and beverage, such as handling perishables, lot strength, or advanced traceability	• Advanced features like lot strength, shelf life tracking, and full lot traceability (e.g., lot number, expiration date, and location). • Manage inventory based on quality status, units of measure, and regulatory requirements
Batch Production	• Supports batch production through production orders but is geared toward discrete manufacturing and lacks flexibility for variable batch sizes or unplanned outputs	• Supports flexible batch sizing, backflushing, consumption posting, and handling of co-products, by-products, and unplanned outputs • Tightly integrates batch processing with formulas, inventory, and quality control for precise process manufacturing control
Costing	• Supports standard costing, batch costing, actual costing, and weighted average costing, with tools for job costing and variance analysis	• Offers advanced costing capabilities, including commodity-based material costing, “what-if” analysis, and detailed tracking of co-products and by-products • Supports formula-based costing to adjust costs based on batch size or yield

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Feature/Functionality	Dynamics 365 Business Central	BATCHMASTER® Process Manufacturing Software
Quality Management	• Provides basic quality control features • Often requires customizations or third-party add-ons for advanced QC needs	• Advanced quality management with allergen control, yield tracking, and QC at every stage (from raw materials to finished goods) • Ensures FDA, GMP, HACCP compliance with certificates of analysis (COA), non-conformance tracking, and audit trails • Supports QC plans, CAPA, deviations, and downtime tracking
Compliance	• Offers basic compliance features like financial reporting, audit trails, and data security • Lacks built-in tools for industry-specific regulations (e.g., FDA, BRC, SQF); requires customizations or add-ons	• 21 CFR Part 11 compliant with built-in regulatory tools • Supports lot traceability and recall management and adheres to standards like FDA, GMP, and FSMA • Provides audit trails, e-signatures, labeling compliance, and regulatory reporting • Includes BMR/MBR support for nutraceutical and pharmaceutical industries

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How BatchMaster Integrates with Microsoft Dynamics 365 Business Central?

BatchMaster integrates seamlessly with Microsoft Dynamics 365 Business Central , synchronizing real-time financial data across Accounts Receivable (AR), Accounts Payable (AP), and General Ledger (GL). It enables efficient management of sales orders, purchasing, batch production, planning & scheduling, quality control, compliance tracking, and advanced inventory management and warehousing — addressing the specialized needs of process manufacturers.

BATCHMASTER® Process Manufacturing Software	Dynamics 365 Business Central
Process Manufacturing	**Financial Management Processes**
✓ Laboratory & Formula	✓ Income and Expense Tracking
✓ Planning & Scheduling	✓ Accounts Receivable and Payable
✓ Batch Production	✓ Cash Flow Forecasting
✓ Inventory	✓ Budgeting and Cost Control
✓ Traceability & Compliance	✓ Fixed Asset Management
✓ Quality Control	✓ Multi-Currency Operations
✓ Costing	✓ Bank Integration and Reconciliation
✓ Sales Orders	✓ Tax Compliance
✓ Purchasing	✓ Financial Reporting and Analysis

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	BATCHMASTER® Process Manufacturing Software	Dynamics 365 Business Central
Sales Management & Accounts Receivable	Sales orders are created, managed, and fulfilled in BatchMaster. Shipments processed in BatchMaster update inventory and generate GL transactions. Customer invoices are created in BatchMaster and replicated in Business Central for payment processing.	Customer invoices created in BatchMaster are replicated in Business Central for payment receipt and financial tracking. GL transactions for revenue recognition and customer payments are posted in Business Central. Customer invoices created in BatchMaster are processed for payments in Business Central.
Purchase Management & Accounts Payable	Purchase orders are created and managed in BatchMaster. Goods receipts, supplier returns, and adjustments are managed in BatchMaster. Vendor invoices are created in BatchMaster and replicated in Business Central for payment processing.	Vendor invoices created in BatchMaster are replicated in Business Central for financial processing. GL transactions for purchasing (such as goods received, purchase accruals, and vendor payments) are posted in Business Central. Vendor invoices created in BatchMaster are processed for payments in Business Central.
Inventory Management	Inventory transactions such as shipments, receipts, physical counts, and adjustments are managed in BatchMaster. Inventory is fully tracked in BatchMaster, including lot control and traceability.	GL transactions from inventory activities (such as shipments, inventory adjustments, and physical counts) are posted in Business Central for financial reporting.
Production Order Management	Materials are received, issued, and staged for production in BatchMaster. Finished goods are produced and inventory is updated accordingly in BatchMaster.	GL transactions from batch closing (such as material consumption and finished goods valuation) are posted in Business Central.

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How BatchMaster Business Central Edition Helps Your Process Manufacturing Business?

Inventory Management

- Manage lot numbers, expiration dates, grading, potency, and other raw material and finished goods attributes.
- Configure item defaults for financials, locations, replenishment, and stock levels.

Product Development & Formulation

- Create and manage scalable recipes or formulas for batch and process manufacturing.
- Conduct R&D and testing with integrated laboratory systems, connecting lab hardware for enhanced accuracy.

Production Planning

- Optimize material planning and scheduling with advanced MRP and finite capacity planning tools.
- Track material and labor usage against batch orders with real-time yield and loss reporting.

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Batch Production

- Dynamically adjust batch sizes, reduce waste, and optimize schedules.
- Allows job prioritization, autoconverts sales orders to production orders, and enables real-time formula adjustments with automatic back flushing for accurate inventory tracking.

Quality Control

- Leverage integrated quality control (QC) processes for incoming materials, in-process testing, and production.
- Support item- and vendor-specific QC specifications to ensure consistent product quality with industry standards.
- Perform inspection checks, tracks non-conformance, and manage CAPA to ensure compliance testing.

Manufacturing Execution

- Monitor and document production activities in real-time, capturing data directly from the shop floor using mobile devices for enhanced efficiency.
- Handle packaging UOMs and by-products with complete traceability for finished goods.

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Logistics & Fulfillment

- Manage inventory with barcode-enabled warehouse transactions, physical counts, and bin locations.
- Streamline picking and packing with paperless workflows tailored for batch processing.
- Automate shipment processes with carrier integration and real-time shipping documentation.

Traceability, Compliance & Safety

- Track products from receipt to shipment, speed up lot recalls and audits, and meet regulatory standards like FDA, 21 CFR Part 11, GFSI, and cGMP.
- Manage compliance data for safety sheets, lot recalls, and secure access controls.
- Maintain industry-specific compliance records, ensuring adherence to regulations and audit requirements.

Financials & Cost Analysis

- Sync real-time financial data across AR, AP, and GL to ensure accurate financial reporting in Business Central.
- Calculate finished good costs based on cost rollup of ingredients, packaging, labor, and production processes for accurate financial insights.

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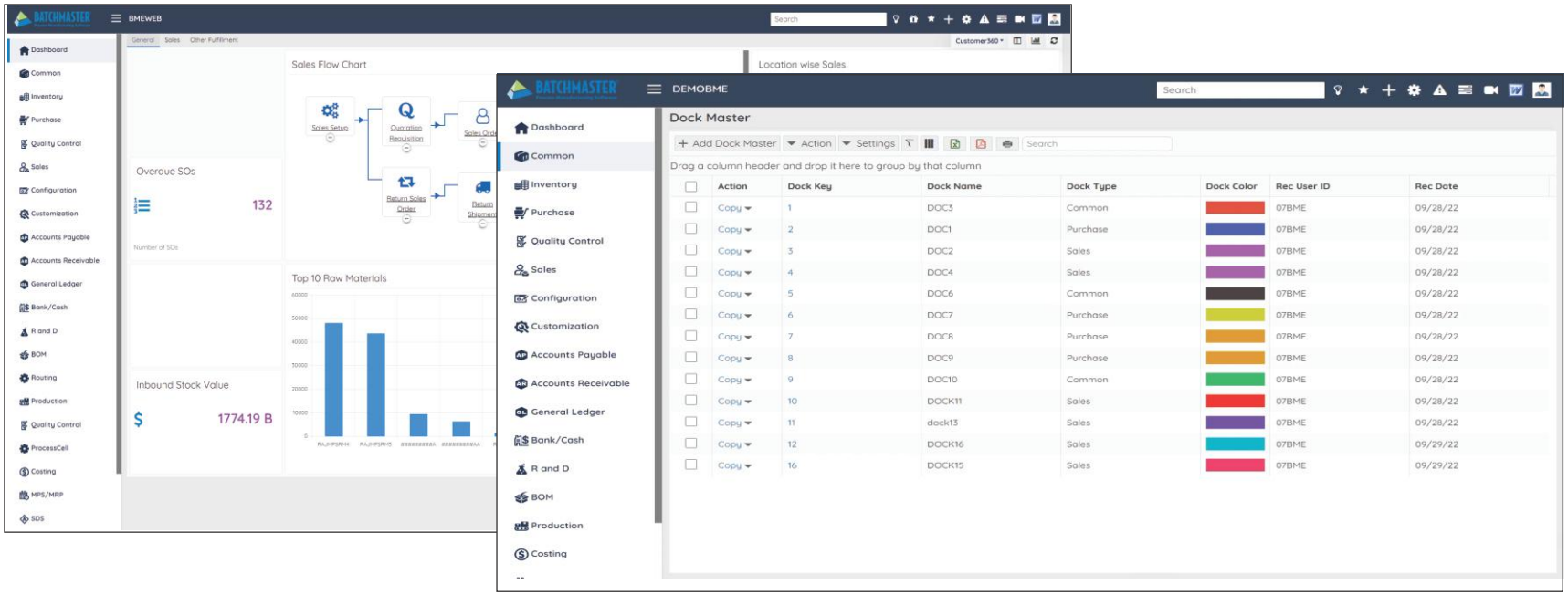
Why BatchMaster is the Leading ERP for Process Manufacturers?

- ✓ 30+ years of Leadership in Process Manufacturing and Distribution-Focused ERP Solutions
- ✓ Best-in-class, industry-specific functionality with robust quality and compliance features
- ✓ Industry solutions for process manufacturing industries like Food & Beverage, Chemical, Pharmaceutical/Life Science, Nutraceutical, Personal Care and Cosmetic and other micro verticals
- ✓ Seamless integration with Business Central while streamlining all aspects of your manufacturing business
- ✓ Simplifies complex formulas and recipes to meet the highest production standards
- ✓ Fully web-based ERP with mobile applications and a modern, user-friendly interface



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BatchMaster Business Central Edition: Integration Snapshot

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Business Benefits

- Streamline, standardize, and scale up production and business operations
- Improve decision-making with increased visibility, granularity, and real-time data
- Make agile adjustments to meet dynamic market demands
- Ensure compliance and quality that meet stringent regulatory requirements
- Accelerate production cycles and product development
- Increase inventory turns and minimize expired inventory
- Integrate financials and operations with BatchMaster and Business Central, eliminating data silos and manual tasks
- Control margins and boost profitability with cost tracking across materials, labor, and overhead
- Comprehensive product and process traceability for enhanced recall readiness

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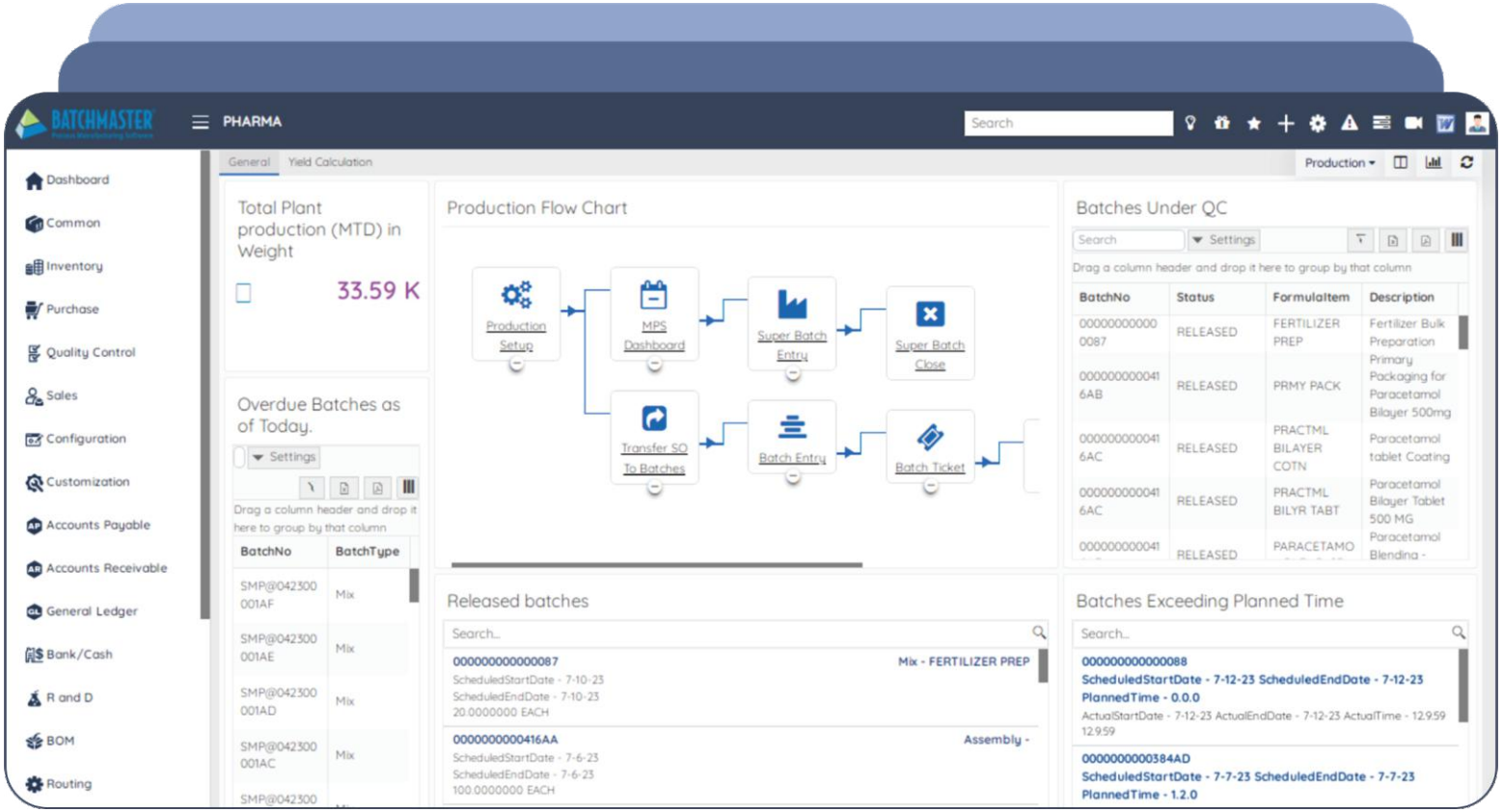

Achieve More with BatchMaster Business Central Edition

BatchMaster Business Central Edition gives you full control over every aspect of your business—accounting and process manufacturing combined.

Schedule a Demo

Contact us to learn more:

www.batchmaster.com | 949.583.1646 x 2

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