

Dynamics GP Capabilities Guide for Process Manufacturers





Grow Your Business Through Manufacturing Excellence

To grow your process manufacturing business, you need to focus on your core competencies and key business objectives. This requires having detailed enterprise-wide information at your fingertips. Having financial, formulation, manufacturing, distribution & compliance in a single solution means you can make faster and more informed business decisions.

BatchMaster Manufacturing and Dynamics GP is a "best of breed" ERP solution for process manufacturers in industries such as Food, Chemical, Nutraceuticals and Pharmaceuticals. BatchMaster Manufacturing streamlines your manufacturing operations, while complying with ever more stringent regulatory mandates. Dynamics GP helps you gain greater control over your financials, sales, purchasing, and supply chain.

BatchMaster Manufacturing is embedded within the Dynamics GP framework. Business information captured in a single system is instantly accessible across the organization, eliminating duplicate data entry along with related errors and subsequent costs. Freed from constantly reacting to day to-day details, you can spend more time driving your business forward.

This brochure provides an overview of the modules supported by the BatchMaster Manufacturing and Dynamics GP solution, grouped by the functional area or process.



BatchMaster Manufacturing and GP Functional Overview



📤 BatchMaster Manufacturing



Tynamics GP, Starter Pack Functionality

Process Manufacturing

Lab Formulation Production Quality Traceability Compliance Planning (MRP) Scheduling (MPS) Inventory Warehousing

Financial Management

General Ledger with AFA Account Level Security Cash Flow Management **Fixed Asset Management** Inter company **National Accounts Multicurrency Management Analytical Accounting** Revenue/Expense Deferrals **Bank Reconciliation Electronic Banking Suite** Safe Pay

Financial Management

Cashbook Bank Management **Electronic Bank Management Electronic Reconciliation Management Payables Management** Receivables Management Customer/Vendor Consolidations Lockbox Processing **Refund Checks Grant Management Encumbrance Management** Field Level Security **Process Server**

Business Intelligence & Reporting

All In One Document Viewer **Unlimited Mgmt Reporter** Designer User **Unlimited Mgmt Reporter** Viewer User **Analysis Cubes Library** Advanced Analysis Cubes Library Refreshable Excel Reports SmartList Designer Office 365 Workspace PowerBI Dashboards PowerBI Reports

Human Resource Management

Human Resources Unlimited Employees Payroll (US) Unlimited Employees Payroll (Canada) Unlimited Employees Payroll Direct Deposit Federal Magnetic Media **Payroll Connect Position Control Employee Pay Employee Profile Human Resources** Time and Expense Management

Supply Chain Management

Invoicing Sales Order Processing w/ Adv Invoicing **Extended Pricing Order Management Inventory Control** Purchase Order Processing/Receiving Landed Cost PO Generator Procurement

Dynamics GP, Pack Functionality

Configuration and Development

Modifier with Visual Basic for Applications **Customization Site License Integration Manager - Conversions** Connector for Microsoft Dynamics Service **Based Architecture Identify** management Work flow **Customer and Vendor Combiner**

Customization Pack

Integration Manager eConnect WebServices Dexterity Software Development Kit **Customization Suite**

Extended Human Resource and Payroll

HR Advance Payroll Advance PTO Manager Benefits Management and **Enrollment**



Toynamics GP, Extended Pack Functionality

Supply Chain Management

Advanced Distribution Advanced Picking Available to Promise **Returns Management**

Project Management

Project Accounting **Project Time and Expense**

Customer Relationship Management

Contract Administration Service Call **Depot Management** Preventive Maintenance

BatchMaster Manufacturing



PRODUCT DEVELOPMENT

Create separate formulas and packaging specifications then analyze and dynamically adjust ingredients to meet physical, nutritional and cost property target values of intermediates and finished goods.



PRODUCTION

Dynamically size, link and schedule batch jobs to quickly scale up production of intermediates and finished goods, including co-products and by-products.



COSTING

Take into account the costs of raw materials and consumables as well as projected costs associated to fixed setup charges, scalable labor, tiered labor, markups, margins and losses to estimate product costs during product development.



QUALITY

Establish a library of inspection plans, checklists and QC tests to reduce rework and scrap, as well as support adverse events, nonconformance and CAPA activities to support continuous improvement initiatives.



INVENTORY

Manage inventory variable characteristics and movements and gain a simultaneous view of an inventory's weights, volumes and quantity in various units of measure.



COMPLIANCE

Generate compliant labels and documents as well as audit reports to avoid fines and penalties.

TRACEABILITY

Quickly track and trace suspect materials from receiving through shipping, shipping back to receiving, or anywhere within WIP in order to meet GFSI product traceability and recall mandates



MASTER PRODUCTION SCHEDULING

Generate and link the optimal number of dependent batch jobs required to meet current and forecasted demand using "what-if analysis" and graphical scheduling tools



MATERIALS REQUIREMENTS PLANNING

Employ planning dashboards to schedule purchase orders of required ingredients and packaging materials that will maintain optimum inventory levels and avoid shortages in production.



WAREHOUSING

Perform receiving, putaway, quality, inventory, production, pick, pack and shipping tasks across multiple plants using smart phones and tablets.



Financial Management

ACCOUNT LEVEL SECURITY

Enhance security features and account views by allowing users to enter, edit, and view information from a reduced account set, based on the access granted for General Ledger accounts on a per-user basis.

ANALYTICAL ACCOUNTING

Analyze financial data by whatever criteria you require for greater reporting flexibility and extensibility. Track financial data by different dimensions, such as region or profit center, without adding to your chart of accounts.



BUDGETING

Track multiple budgets for multiple fiscal years in multiple currencies and General Ledger Accounts. Easily update and maintain budgets by leveraging Microsoft Excel to import and export. Also, get insight into your business by reporting budget verses actual by year, quarter or month. Keep an audit trail of who modifies a budget and when to maintain control over your business.

CASH FLOW MANAGEMENT

Customizable views and forecasting tools enable you to control, predict, and monitor inflows and outflows that track a company's liquidity over time. A calendar gives people the insight into your inflows and outflows in an easy to understand format.

CUSTOMER/VENDOR CONSOLIDATIONS

Quickly transfer information between Receivables Management and Payables Management to create a customer record that uses information already available in a vendor record, and vice versa, giving a consolidated view of the vendor and customer relationships. Also easily combine customer accounts or vendor accounts.

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Locate and track budget information, query current or historical encumbrances, and streamline period-end and year-end processes. Control your purchasing process by limiting purchases through encumbrance posting.

👔 FIXED ASSET MANAGEMENT

Improve financial control and put company assets such as buildings, machinery and equipment to the best possible use with tools for tracking, analyzing, and manipulating fixed assets. For each asset you can track and depreciate by calendar or fiscal year with several methods including MACRS and many others. Track depreciation for tax liabilities for the most common tax books. Analyze and track assets historically to better manage your asset

GENERAL LEDGER

Maintain your financial journal entries and budgets with a double-entry accounting ledger that supports up to 999 periods. Track non-financial data like unit accounts at the general ledger level. Transfer account balances based on a variable account by percent or unit giving more flexibility to your general ledger. Perform revenue recognition and intercompany transactions. Easily copy and paste data from excel or text into general ledger journal entries.

GRANT MANAGEMENT

Not-for-profit and public sector organizations can automate grant management processes to track funds more easily, demonstrate accountability, prevent overspending and help attract future funding.

INTERCOMPANY

Set up and maintain relationships so that revenues or expenses incurred in one company can be tracked as "due to" or "due from" amounts in other companies. View and void distributions of intercompany transactions from other companies.

LOCKBOX PROCESSING

Automatically import and apply customer payment information from a lockbox transaction file provided by your financial institution. Lockbox Processing provides reliable receivables information, improved funds availability, and greater fraud protection.

MULTICURRENCY MANAGEMENT

Take control of multinational operations and manage currency transactions smoothly and efficiently with flexible, powerful multicurrency capabilities such as easy reevaluation.

MULTIDIMENTIONAL ANALYSIS

Analyze financial data by different dimensions without adding to your chart of accounts.

NATIONAL ACCOUNTS

National Accounts provides the ability to define a national account relationship between multiple customers. It enables a customer to be defined as the "parent" account to which "child" customers may be added. This allows a payment received from the parent company to be applied across any of the child customers' payments. Credit documents can also be applied from the child customer to any other member of the national account.

PAYABLES MANAGEMENT

Automate routine and complex accounts payable tasks with real-time statistical history, easy reconciliation, account control, payment scheduling, and check printing. Receive warnings when an open purchase order exists. Track vendor details including multiple shipto addresses, payment terms, credit limits, vendor items and more.

RECEIVABLES MANAGEMENT

Control your accounts receivable with automated processes for invoices, receipts, finance charges, and statements, including the ability to analyze customer activity. Setup and maintain customer records including credit limit, contact names, aging balances and more.

REFUND CHECKS

Print refund checks for customers with credit balances, automatically debiting the customer and updating the ledger.

REVENUE/EXPENSE DEFERRALS

Simplify deferring revenues or distributing expenses with the ability to make entries for future periods within General Ledger, Receivables Management, Payables Management, Sales Order Processing, Purchase Order Processing, and Invoicing.



Easily add Positive Pay functionality, including daily exporting of checks for comparison by the bank when checks are presented for payment.

FILECTRONIC BANKING SUITE

Gives you the ability to integrate with your checkbooks electronically and includes ERM (Electronic Funds Transfer for Receivables Management), EBR (Electronic Bank Reconciliation) and EPM (Electronic Funds Transfer for Payables Management).

ELECTRONIC RECONCILIATION MANAGEMENT

Take advantage of integration with Bank Reconciliation to automate electronic reconciliation and management for transactions, adjustments, and exceptions, using tools that work with any bank that supports automatic reconciliation.

BANKING



Create, manage and reconcile from your checkbook ledger to the bank's account records through a single, automated process across multiple currencies.

CASHBOOK BANK MANAGEMENT

Attach unlimited checkbooks to your bank, make bank transfers, enter General Ledger, Receivables Management, and Payables Management transactions, post batches, and build deposits for your bank transactions. You can also import your bank statements into Dynamics GP, and reconcile transactions at any time.

ELECTRONIC BANK MANAGEMENT

Streamline setup, entry, maintenance, and reconciliation for all transactions that appear on your bank statement— including payments to creditors, cash receipts from debtors, and bank charges.



Business Intelligence and Reporting

BUSINESS ANALYZER

Gain powerful, role-specific insight with charts and graphs both inside of Dynamics GP client and outside through a companion application, plus perform tasks and collaborate with others. View SQL Reporting Services, Microsoft Excel and Management Reporter reports from one central location, giving the ability to access data from virtually anywhere. Business Analyzer is optimized for tablets powered by Windows, iOS and Android platforms.

Microsoft PowerBI Dashboards and Reports

Several premade dashboards and reports are available that connect directly to Dynamics GP and are accessible through PowerBI Desktop or on the Dynamics GP Homepage.

Microsoft Excel Reports

With over 400 built in Microsoft Excel reports that connect directly to the data source plus an Excel report builder, Dynamics GP offers a solid foundation to create reporting. Refreshable excel reports provide easy and quick access to latest data from a network location, local desktop, or even SharePoint.

📦 Dynamics GP workspace

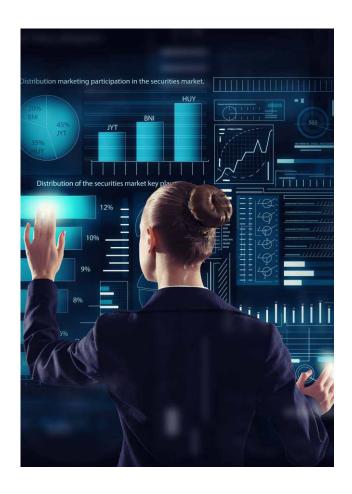
An app in the Office 365 store is available to easily create and securely share executive dashboards showing financial, sales, purchasing and inventory information. Dashboards also enable users to drill back to Dynamics GP to analyze specific transactions.

Microsoft SQL Reporting Services Reports

Leveraging the power of SQL Reporting Services, Dynamics GP offers over 300 charts, graphs and reports through Reporting Services. The reports can be modified to meet unique needs. New reports can be created easily without a developer.

MANAGEMENT REPORTER DESIGNER and VIEWER USER

Management Reporter is used for the creation, distribution and analysis of financial statements. It includes user types that can generate, design and view information that is secured by role, giving people only the information that is important to them. Management Reporter reports can be viewed and refreshed with a web viewer.



Supply Chain Management



AVAILABLE TO PROMISE

Help ensure the right inventory is available at the right time to meet customer needs, make firm delivery promises, and boost profitability by being able to predict when inventory is available. This functionality uses purchasing, inventory and sales information to determine when inventory will be available to sell.



ADVANCED PICKING

Increase visibility and tracking for the pick, pack and shipping process. Advanced Picking in Dynamics GP tailors picking routines to meet individual site's business requirements, bin or bay sequence, or method of operation. This provides organizations with the flexibility needed to lower overhead, reduce handling, and improve accuracy for both single and multi-site warehouse operations.



T EXTENDED PRICING

Create flexible pricing options and rules for customers, including standard and personalized percentage-off, value-off, and net pricing options. Implement datesensitive functionality for sales and promotions.



INVENTORY CONTROL

Monitor inventory stock levels and costs, and set prices on a customer-by-customer basis to stay competitive, speed fulfillment, and build loyalty. Inventory control provides multiple costing methods, tiered pricing, alternate vendors, serial/lot tracking for selling items more efficiently. For added flexibility multiple locations and bins are available with tracking reason codes for transfers and cycle counts to get a more accurate inventory.



LANDED COST

Track and update the true cost associated with an inventory item and then automatically assign or modify costs as items are received.



PO GENERATOR

Automate purchasing by generating a suggested purchase order, with order point or minimum/maximum settings that determine quantities needed based on purchasing, sales, and inventory data.



Manage commitments and build lasting vendor relationships with automated purchasing and approval processes, flexible extended pricing, and blanket purchase orders. Receive partial shipments with discounts, landed costs and prepayments to better manage your purchasing and receiving process. With tolerance handling, receive items within a threshold percent of the purchase order for more flexible receiving and better purchasing management.

REQUISITION MANAGEMENT

Allow people to request purchases needed to run the business and be personally product while maintaining control with the necessary approvals, process steps and accounting.

RETURNS MANAGEMENT

Generate returns from historical customer invoices, service calls, or manually. Return the item to the vendor or fix it within your company and automatically transfer items from the returns warehouse to the main warehouse.

SALES ORDER PROCESSING

Automate the sales ordering process to improve customer service, control fulfillment and invoicing, and minimize shipping and labor costs. Track quotes, orders, back orders, invoices and allow discounts per item and partial shipments. Enable quicker sales with suggested items that offer upsell opportunities and substitutions for items that are out of stock.

Project Management

PROJECT ACCOUNTING

Maintain tight control over project direction, costs, execution, and budget; support resources effectively; and ensure accurate billing and accounting through tight integration with financials, inventory, and accounts receivable.

PROJECT TIME AND EXPENSE

Capture, review, and approve project time sheets and expense reports, enabling prompt, accurate customer invoicing and efficient reimbursement for expenses.



Field Service Management



CONTRACT ADMINISTRATION

Manage an unlimited number of contracts using flexible functionality that includes price books, profitability against service calls, and revenue recognition through five different methods.



T DEPOT MANAGEMENT

Track parts, labor, and expense details. Create a Parts Usage report. Manage spare parts and trunk-and-lottracked stock inventory.



PREVENTIVE MAINTENANCE

Forecast purchasing and scheduling requirements based on time in service or product usage. Coordinate open service requests with upcoming preventive maintenance calls. Track details of Preventive Maintenance activities.



SERVICE CALL MANAGEMENT

Track and update new and historical service calls against a contract, service warranty, and current inventory. Capture time execution, coordinate customer schedules, assign appropriately skilled technicians, and escalate calls automatically plus billing through the accounting system.



Configuration and Development



CUSTOMIZATION SUITE

This suite includes all the tools available to customize Dynamics GP to meet specific business needs beyond what our vast network of Independent Software Vendors (ISV's) provide. The tools included are eConnect, Web Services, Microsoft Visual Studio® SDK, and Dexterity. Dexterity is the programming language used to create and customize Dynamics GP.



INTEGRATION MANAGER - CONVERSIONS

Import data into Dynamics GP using this integration tool during your implementation (available for use for 240 days following purchase for purpose of migrating data).



🙀 INTEGRATION SUITE

This suite includes a set of tools used to import data from other applications. Each tool has different functionality that fits preference and needs of users. These tools include Integration Manager for Distribution, Integration Manager for Financials, eConnect, and Web Services.



MODIFIER WITH VISUAL BASIC FOR APPLICATIONS

Modify the appearance and functionality of any Dynamics GP or Dexterity-based third-party window, add new fields, change global resources to affect the entire application, and attach VBA code for less complex business logic.

Human Resource Management

BENEFITS MANAGEMENT - UNITED STATES

Reduce paperwork and manual entry by moving benefit processes online, including yearly benefits, change of status, and more. Yearly benefits enrollment online instead of on paper will save you time and reduce human errors.

FEDERAL MAGNETIC MEDIA

Help maintain full compliance with government reporting requirements by generating Federal Magnetic Media files.

HUMAN RESOURCES

Attract and retain top talent and offer employees better services with customizable hiring processes, scheduling, pay rates, and performance evaluation tools.

HUMAN RESOURCES—ADVANCED

Track critical health and wellness information to monitor the well-being of your employees and ensure government compliance. Manage employee certifications, license and training requirements to maximize the value of people in the organization.

PAYROLL—ADVANCED

Extend Payroll capabilities with Pay Policy Manager, Labor Accrual Manager, Advanced Labor Reporting, and Payroll Hours to General Ledger functionality.

PAYROLL—CANADA

Automate payroll processing, equip staff to handle complex payroll requirements, and offer better service to your employees while reducing overhead costs.

PAYROLL-UNITED STATES

Automate payroll processing, equip staff to handle complex payroll requirements, and offer better service to your employees while reducing overhead costs.

PAYROLL CONNECT

Automate data transfer from ADP/PC Payroll for Windows into General Ledger, using a turnkey solution that eliminates the need to reenter data.

PAYROLL DIRECT DEPOSIT

Add payroll funds to employees' bank, savings and loan, or credit union accounts through an automated clearing house (ACH) file.

POSITION CONTROL

Manage labor budgets and human resources based on specific job functions and a specific head count. Apply data throughout the Human Resource and Payroll system to enforce the business rules and to manage the movement of human resources throughout the organization.

EMPLOYEE PROFILE and EMPLOYEE PAY

Allow employees to view or update their personal information, create and manage their absences, enter skill and training, and enter requisitions through the self-serve user. With the employee functionality, employees can spend more time focusing on their day-to-day business and tasks and worry less about administrative burdens.

PTO MANAGER

Manage complex vacation and sick time policies automatically. View historical vacation and sick time easily.

GP Foundation

SERVICE BASED ARCHITECTURE (SBA)

SBA supports exchange of information between Dynamics GP and other applications, such as products, third party applications and mobile applications, using common standards. SBA services support operations in Financials, Inventory, Purchasing, Receivables, Requisitions, Sales, Administration and System. SBA easily connects systems to improve information exchange between departments, automate more lightweight processes and become responsive with their vendors.

COMPANION APPLICATIONS

Companion applications are lightweight apps designed for users who need to interact with Dynamics GP to execute a specific task. These applications enable you to automate more processes without providing full access to Dynamics GP. The companion applications are available on popular mobile platforms such as Microsoft Office 365, Windows, iOS and Android.

Time Management: A mobile application that provides the ability to enter, view and submit employee time. Time cards are moved through an approval process inside Dynamics GP.

APPLICATION ACCESS POWER OF CHOICE

Dynamics GP offers two methods of accessing the application: the Windows desktop client and web client. The web client enables secure access to Dynamics GP using a browser thereby enabling anytime, anywhere access. The web client also offers convenient identity management features such as single sign on to Office 365 and other cloud-based applications that use Azure Active Directory.



ALL IN ONE DOCUMENT VIEWER

View related documents all within one window that are in various states of being processed, saving users time in searching for all relevant information for a purchasing document.

DOCUMENT ATTACHMENTS

Track additional information related to transactions and contacts by attaching or scanning pictures, contracts, copies of invoices or other related information to records. In addition, reporting within Microsoft Excel extracts data and provides more context.

FIELD LEVEL SECURITY

Apply passwords or block access to forms and windows. You can also apply passwords to fields. Or, you can hide, lock, or disable fields.

PROCESS SERVER

Move processor-intensive tasks off the computers your employees use every day and onto dedicated process servers, thereby avoiding costly slowdowns.

RAPIDSTART SERVICES

RapidStart Services significantly accelerates the configuration of a company in Dynamics GP, as well as the migration of data from other products into Dynamics GP. Reduce the number of days required to deploy the solution while also making it easier to engage the right people and teams in your business during the implementation process.

ROLE BASED SECURITY

Limit access to sensitive information by role through Role Based Security. Predefined roles come with the application to help you get started quickly, and to maintain separation of duties to reduce risk.

SMARTLIST DESIGNER

Allow your people to slice, dice and filter your business data to provide answers quicker through SmartLists, one of the most popular features in Dynamics GP. Hundreds of SmartLists are built into the application and you can also edit them and build your own.

SOURCE DOCUMENT TRAIL

Track transactions throughout the system with source documents that connect documents together giving users insight into where historical transactions flowed through the system.

SQL SERVER

Dynamics GP utilizes SQL Server technology including the Microsoft SQL Server database, SQL Server Reporting Services, and SQL Server Analysis Services. Database multi-tenancy reduces the number of SQL instances that may be required and simplifies the deployment. A SQL View builder enables fast and easier reporting.

TASKS AND REMINDERS

Help people work together by assigning and tracking tasks. Also setup reminders that proactively inform you when specific incidents occur such as customers going over their credit limit, short stock items, or payables due. Reminders are defined per user, so each user can get the reminders they need to be more proactive.

WORKFLOW

Provide structured steps and approvals of business processes through native workflows that can be modified easily to your unique business needs. Workflows currently supported are General Ledger Batch, Receivables Batch, Payables Batch, Vendor, Purchase Order, Requisition, Employee, Time, Employee Profile, Employee Skills, Direct Deposit, W4 and Project Expense.

GP Functionality Packs and User Types

The Starter Pack

Businesses can quickly and affordably get started with Dynamics GP. The Starter Pack offers core Financials and Distribution functionality. It is available in English, Latin American Spanish, and French Canadian languages.

The Starter Pack is designed to help you:

- Gain control and insight over their finances
- · Purchase and sell services, items and materials
- Pay and manage employees

For many businesses, this is the only Dynamics GP license required.

Note: Additional software licenses may be required, such as Windows Server, SQL Server, and Office 365. Software must be licensed per the applicable license terms.

The Extended Pack

Businesses that require more advanced functionality can license the additive Extended Pack that enables you to integrate core financials and distribution management with broader functionality extensions such as:

- · Support and control the creation of goods
- Managing and billing jobs for professional services, construction and other unique needs.

Customization Pack

The Customization Pack gives you the ability to integrate or customize Dynamics GP. This pack provides access to the tools required to make deep integrations with other products, and to make customizations that extend the application to meet specific needs of the business.

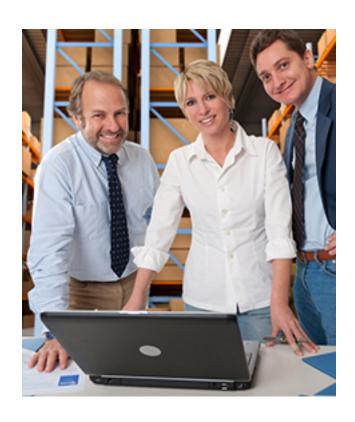
Extended Human Resources and Payroll

The Starter Pack includes standard US and Canadian Payroll and Human Resources for an unlimited number of employees. The additive functionality in the Extended Human Resources and Payroll Pack brings specific features that offer more flexibility in how companies pay and manage their employees.

Note: The Starter Pack is a prerequisite to the Extended Pack, Customization Pack and Extended Human Resources and Payroll. These do not include user licenses.

User License Types

Businesses can license three types of users: full, limited and self-service. This gives you the ability to reduce the cost of your solution. Self-service users are named users and are designed for employees to do non-business related tasks. The limited user can view business information in addition to what a self-serve user can do and is a concurrent user. The full user allows full access and is a concurrent user.





Summary

BatchMaster Manufacturing and Microsoft Dynamics GP is a best of breed solution used by process manufacturers to manage product development, manufacturing, quality, inventory, compliance, financials and more. With inbuilt best practices and industry specific functionality, the software can streamline your operations and reduce costs, while ensuring compliance with your ever more stringent regulatory mandates and changing customer demands.

Learn More

To learn more about how BatchMaster Manufacturing and Microsoft Dynamics GP can help you gain clarity across your business and improve operational efficiency, email your inquiry to info@batchmaster.com or visit-www.batchmaster.com/erp-software-with-microsoft-dynamics-gp/

BatchMaster Software is a leading provider of ERP solutions that help formula-based manufacturers streamline their operations and scale production, while reducing costs and complying with changing customer demands and ever more stringent regulatory mandates. The company delivers industry specific solutions for Food, Beverage, Nutraceuticals, Pharmaceuticals, Cosmetics, Chemicals, and other process industries. BatchMaster Manufacturing is seamlessly embedded with Microsoft Dynamics GP providing a single comprehensive manufacturing ERP solution available on premise and in the cloud. BatchMaster Software has been serving the process manufacturing market for over 30 years and supports thousands of customers worldwide.





