BatchMaster Manufacturing
for SAP Business One

The Most Beneficial Combo for Growing Your Process Manufacturing Business

BatchMaster Manufacturing for SAP Business One

Emergence of new technologies and easier access to data, coupled with the increasing complexities of the global supply chains, has necessitated the adoption of more efficient, contemporary, and innovative approaches for manufacturing businesses. Today, more than ever before, the businesses feel the need to be prepared to adapt to the changing manufacturing landscape, so that they can achieve greater efficiency and stay ahead of the competition. Today, they need a tool that can take away the complexity of things, and simplify them.

Rethinking manufacturing in the changing landscape

Most forward-looking organizations are turning to BatchMaster Manufacturing for SAP Business One (BME-B1) to accelerate smart manufacturing initiatives in this era of rapid change. Designed with ease-of-use in mind, this solution helps manufacturers operating in food & beverage, pharmaceutical, paints, coatings, chemicals, and personal care & cosmetics industries anticipate the dynamic market conditions wisely, satisfy customer requirements easily, and take advantage of the business opportunities quickly.

The solution derives its process-manufacturing-centric capabilities such as advanced R&D, batch manufacturing, recipe management etc. from BatchMaster, while retaining the power of the native SAP Business One distribution modules of inventory, sales orders and purchasing. Moreover, the application complies with all the regulatory requirements as well. This way, by offering functionalities tailored to industry-specific needs, it helps businesses improve manufacturing supply chain efficiency, produce high-quality products, make intelligent decisions, streamline processes, and do a lot more.

Salient Highlights

One comprehensive solution - Leveraging the synergies of both platforms, BatchMaster Manufacturing add-on for SAP Business One comes as one complete solution that meets the emerging and ever-changing needs of formula and recipe-based manufacturers.

Tailored for process manufacturers - It is designed to meet the most-specific requirements of industries like food & beverages, pharmaceuticals, paints, coatings, chemicals, and cosmetics & personal care, and also of their sub-sectors.

Future-proofed system - BatchMaster Manufacturing for SAP Business One is built on SAP's reliable Business One platform, which assures you have a strong, future-proofed, and scalable foundation for the foreseeable future.

Seamless experience - The solution offers the advantage of a single login, single database, and single interface, while providing a familiar look & feel, and making your working experience seamless and productive.

Contemporary approach - It is driven by a team of seasoned researchers and experts that keeps a tab on the latest technological trends and industry best practices to ensure they get duly incorporated in the product.

Industry & regulatory compliance - BatchMaster Manufacturing add-on for SAP Business One, by design, helps you comply with industry, local and federal regulatory requirements such as COA, FDA, GHS, FSSAI, FSMA, EPA and more.

Reporting & analytics - Capturing data across the functions in a single application, it delivers compelling reports and analyses that give you crucial insights into all parts of your business for immediate use.

Dedicated support - With it, you get exceptional customer service, quick resolution of critical issues by an experienced global team, knowledge transfer, and timely software upgrades & updates to keep you ahead.

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Core Capabilities

The multitude of functionality available in BME-B1 is far too extensive to be covered adequately within this short overview, yet we have tried to cover as much as we could.

Formulation

- Formula comparison.
- Version control for tracking formula changes.
- Rollback to regain the saved/previous version of the formula.
- Sizing formula by weight or volume.
- Material substitution by weight or volume percentage, availability of material etc.
- In-process quality checks for better formula management.
- Formula analysis with various available cost options.
- Support multilevel formulas.
- Intermediate expansion to replace the intermediate or by-product involved within the formula.

Bill of Material

- Comprehensive Bill of Material (BOM) functionality.
- Encloses top-level BOM item.
- Flexibility to define Fill Level in the desired unit of measurement.
- Routing functionality for the flawless production process.
- Serve multiple packaging options.
- Bill of material report to classify the top assembly items, assembly types, and status of the BOM components associated with the formulas.
- Cater to your needs for both Process (Formula BOM) and Discrete (Assembly BOM) Manufacturing.
- Dispatches full view of the BOM hierarchy.
- Single BOM allocation with multiple formulas.

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Laboratory

- Keep the specifications of your intermediates current according to the formulations using the Intermediate Property Rollup Utility.
- Conveniently compare several formulas and products side-by-side from the same screen using the Comparative Properties Analysis.
- Create completely new physical properties based on the combination of material specification and operators available using the Physical Property Formula option.
- Overcome the hassles of creating a new formula from scratch using the Physical Property Analysis option.
- Reduce the time and efforts invested in R&D of new formulas.

Compliance

- Generate Nutritional Label/Nutritional Information Panel using different serving sizes and unit of measures.
- Generation of Ingredient Statement, quantity and percentage wise.
- Reports for FDA Audit, Quality Control History, Lot Tracking, Transaction, and Lot Explosion.
- Embedded forward and backward lot-traceability feature.
- Generate Lot Recall Letter.
- Attach Standard Operating Procedures.
- Closed loop process that maintains FDA 21CFR Part 11, cGMP, Bioterrorism Act etc.
- Define and associate safety information for inventory items, formulas, customer order, production order etc.
- Achieve Hazard Communication Standard, Superfund Amendment and Reauthorization Act (SARA) Title III compliance.
- Track MSDS printing dates for item and customer combination.

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Production

- Expedite production scheduling and generate real-time information faster than ever before using the Production Scheduling Dashboard.
- Streamlined batch sizing, improves the accuracy of inventory and costing functions immensely.
- Resolve the common process manufacturing necessity of producing a batch and its low-level intermediates in a single operation, using the Super Batch functionality.
- Acquire running totals of your finished goods and by-products yielded and consumed.
- Get your costs and inventory updated in real-time with the closure of your batch.

Traceability

- Manage any recall situation within a fraction of time.
- Diminish response times to potential complications, which can eventually certify brand security.
- Confirm the transparency all over the value chain, from ingredients to consumer goods.
- 360-degree view into a product lot's activity.
- Ensure each lot remains distinct in subsequent operations.
- Wide-ranging lot traceability with container level tracing of source supplies.

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Quality Control

- Establish well-defined QC functionality to receive, produce and ship products that meet customer and compliance requirements.
- QC test and sample definition plus ability to determine the target values, control limits and maximum allowable defects.
- Accomplish the QC sampling process with Pass/Fail results, Alphanumeric as well as Numeric values.
- Immediate and counteractive action, like destruction, return etc., can be taken against the items that fail QC Inspection.
- Track the faulty materials and consign them for return to vendor, scrap, or rework.
- Supports the tracking of production quality, expiry date, shelf life period, and lot controlled products.
- Reporting the QC results for Raw Material, Intermediate and Finished Good

Costing

- Dynamically collaboratively analyze costs associated with the manufactured products.
- Establish gross margin based on costs and selling price.
- Revise formula loss factors to accomplish better accuracy.
- Calculate Sales Price and Standard Cost based on the cost of ingredients.
- Reevaluate the actual cost of the finished good or intermediate inventory.
- Modify and scrutinize overhead, labor and material quantities efficiently.

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Routing

- Designate shifts available by weekdays in which the selected employee will be working.

- Define and generate schedules for a range of employees for selected working days.

- Plan and manage resources by interpreting the schedule of a given work centre over a week's span using the Work Centre Capacity Utilization option.

- Add routing to a particular BOM just by implementing very easy setup options.

- Cope with item routings by means of the Routing tab present on the Batch Ticket form.

- Firmly retain completion time and quantities related to production batch by means of various routing facilities.

Bin Management

- Track inventory bin wise, item wise, warehouse wise, lot wise or container wise.

- Support multi-location inventory feature to organize your warehouse or multiple warehouses.

- Get an instant view of various bin transactions, such as Container, Bin Number, and Issue/Receipt Quantity etc.

- Handle non-tracked inventory with ease at bin level.

- Manage various Storage Conditions for bins and items.

- Warnings for older lots and duplicate lots.

- Expired lots calculation for issue transactions.

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Production Planning - MPS

- Streamline the production operations and minimize unplanned interruptions to improve performance.
- Confidently sustain with the lowest possible material and product level in stock.
- Robotically generates purchase orders from net demand relative to reorder levels.
- Aligns existing jobs with changes to required dates.
- Supports the top, bottom and smart level explosion.
- Supports to meet the delivery schedule, purchase activities and plan orders.
- Avoiding the delay in material procurement, production and decision making.
- Cost of excessive inventory can be reduced.

Purchase Planning - MRP

- Ensure material availability and increase planning stability.
- View production bottlenecks at a glance with interactive graphical vision.
- Reconcile the customer requirements with plant capacity, material availability and vendor capabilities.
- Support in evaluating the effects of schedule changes in short run.
- Perform scheduling on single or range of items and warehouses.
- Spontaneously create Purchase Order for the re-sale type of item.
- High stock levels and reduces storage costs.
- Last minute rescheduling and efficient allocation of resources.
- Planning Time Fence to protect the master plan from spontaneous changes.
- Adjust dates of planned orders that falls within the planning time fence.

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Recognized By Top Industry Analysts

Our Customers

About BatchMaster

BatchMaster Software is one of the market leaders in offering enterprise software solutions to process manufacturers. With our vast industry experience gained from over **2500 implementations worldwide,** we understand the unique challenges of **pharmaceuticals, food & beverage, paints, coatings, chemicals, and personal care & cosmetics manufacturers,** and also offer solutions that are apt to support industry-specific operations of their micro-verticals.

Today, leading process manufacturing companies around the globe rely upon BatchMaster® to manage nearly every aspect of their business.

Our products, available on premise, in the cloud, and web, have a proven integration to **QuickBooks, Sage 50/100/200/300, Microsoft Dynamics-365 Business Central,** and **SAP Business One.**

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