BATCHMASTER®
Process Manufacturing Software

BATCHMASTER® Manufacturing
for SAP® Business One

BatchMaster® Manufacturing for SAP Business One extends SAP B1 to provide the functionality required by Process or Recipe-based manufacturers, while retaining the power of the native SAP B1 distribution modules of Inventory, Sales Orders and Purchasing. These manufacturers include Food and Beverage, Paint and Coatings, Cosmeceutical including Personal Care products and Cosmetics, Nutraceutical, Pharmaceutical, and Specialty Chemicals.

BatchMaster has been a leader in the field of process manufacturing software for more than two decades, with over 1500 customers all around the world, and is an SAP Certified SSP (Software Solution Provider). BatchMaster has 200+ development, consulting and marketing staff dedicated to addressing the mid-market process manufacturing industry.

ENHANCES SAP BUSINESS ONE MODULES

INVENTORY
Adds unlimited Units of Measure.
Adds Unit of measure conversions, including automatic Weight : Volume.

SERIAL / LOT
Adds enhanced Lot Number configurator.

ADDS PROCESS MANUFACTURING MODULES

FORMULATION
Comprehensive Formula Management.
Full Version Control with roll-back.
Materials measured in any Unit of Measure.
Fully scalable.
Multi-level formulas.
Easy Material substitutions.

LABORATORY
On-screen product development.
Definable Ingredient / Raw Material specifications.
Definable Formula properties.
Quick & powerful computerized formulation.

BILL OF MATERIALS
Defines independent End Items as Formula + Packaging.
Allows for multiple End Items per production batch.

PRODUCTION
Controls making of both Intermediates & Finished Goods.
Size by finished weight / volume or available materials.
Critical Materials identification.
Three batch types: MIX making to a recipe or formula.
FILL filling out of bulk product to final containers.
ASSEMBLY combining finished goods into a deliverable product.

PLANNING
Master Production Schedule (MPS):
Analyze 'Demand' from open production orders (BMM), Sales Orders (SBO), and forecasts entered.
Production Plan to meet expected delivery dates.

Material Requirements Planning:
Plan procurement of raw materials and packaging.
Pick demand from firm planned MPS orders, open production orders (BMM), sales orders (SBO), and forecasts.
Transfer confirmed BMM confirmed MRP purchase order to SBO purchase order.
Schedule board/ Batch scheduling for easy re-scheduling.

COMPLIANCE	FDA /GMP Compliance:
	FDA Reports:
	Batch Ticket Audit Log, Consolidated Transaction Report, Lot Tracking Report,
	Quality Control Item History Report.
	Nutritional Labelling, 5 FDA-approved formats
	Standard Operating Procedures.
	Kosher Rabbinical Approvals.
	Identification & management of reportable or claimable ingredients:
	GMO (Genetically Modified Organism), Halal, Allergens, Organic, Natural,
	NFI (Non-flavouring Ingredient), BATF-registered.
	Rapid Lot Recall.
	Lot Recall Letters.
	Ingredients
	Shelf Life Management.
	Date/time/user stamped records.
	Health & Safety:
	Automated Material Safety Data Sheets.
	MSDS formats easily designed using MS Word templates.
	Auto-tracking of need for new MSDS delivery.
	Wide range of Compliance reports.
LOT TRACEABILITY	Enhancement to SAP B1 Item Master screen.
	System-defined or customizable lot numbers.
	Multiple Bins supported.
	Selectable lot-issue methods.
	Traceability to full product recall.
COSTING	Precise, accurate monitoring of all product cost factors.
	Materials, Labor, Overhead, Loss, and more.
	Reformulate to meet desired target costs.]
	Disciplined methodology to control costs.
	Instant detailed analysis of cost structure on-screen.
QUALITY CONTROL	Flexibility in defining Tests, target values & control limits.
	Comprehensive reporting.

TECHNICAL OVERVIEW

The development of BMM represents a breakthrough not only in delivering flexible manufacturing functionality, but also in employing the latest in development technology. These advances deliver a product in record time with the flexibility to adapt to the needs of growing businesses.

At the heart of the system is the deployment of N-Tier technology, re-usable business objects, and service-oriented architecture readiness. N-Tier architecture provides a model for developers to create flexible and reusable applications. This creates an environment where changes and enhancements to the overall application are made more efficiently in a single layer instead of through extensive modifications to the entire application.

State-of-the-art development tools were leveraged. The BMM application was built using Microsoft Visual Studio .NET 2005. Our Metadata system allows for single-source descriptions of business objects and generates the database and business objects layer.

In summary, BatchMasters' development team has brought its development and delivery processes into the 21st century with leading-edge technology to achieve unheard of velocity in bringing new product to market. Manufacturers can now with confidence deploy an ERP system that allows for the rapid changes required to address the manufacturing environment and technology platforms of tomorrow.