



FoodChainERP for the Food & Beverage Industry

Food and beverage manufacturers and distributors operate in demanding sales and procurement markets. Volatile prices for raw materials, tough competition, fierce pressure to innovate and complex regulations are just a few of the many challenges that companies in this industry face on a daily basis. These conditions demand efficient and easy-to-manage internal and external processes along the entire value chain.

Increasing Competitiveness With the Right ERP Solution

The software solution a company chooses to implement is one of the most important tools for overcoming serious challenges in the area between high margins and high standards of quality. The design of a company's business processes and the right software is critical when it comes to key factors for success, such as delivery capacity, quality and customer service. FoodChainERP's Food & Beverage comprehensive industry-specific functions offer companies in the food and beverage industry the ideal preconditions to meet current needs and anticipate future challenges, while gaining a competitive edge.

Food & Beverage Industry Key Criteria

Comply with FDA Regulations

- Security configured at system, company, group, and role or operator level
- Electronic Signatures for record binding and operator authentication
- Provide full bi-directional traceability from source to consumption
- Track multiple lots of the same item with different expiry dates and from different vendors
- Close the gap between ERP and your quality system
- Manage all steps in the nonconformance process and generate corrective actions and other workflows that link right to the original nonconformance



- Quality Records are the documented evidences that processes are executed according to the quality systems plan
- Produce detailed audit trails of all transactions
- Manage the investigation and resolution of customer complaints in compliance with FDA guidelines
- Authenticate operators for specific transactions
- Support FDA 21 CFR Part 11 and Good Manufacturing Practices (GMP) and Safe Quality Food (SQF)

Formula and Recipe Controls

- Supports multi-level formulas with yielding at the top level or ingredient level and ingredient substitutions
- Products can have global formulas or unique facility-specific formulas
- Supports formulas and associated processing instructions and notes for use during batch process production
- System maintained version and revision control with a fully-integrated change order process
- Multi-level, where-used functionality enables rapid access and mass change to all finished goods using specific ingredients and intermediaries
- Supports lot control tracking, shelf life management, product grading, and hazardous materials tracking and reporting
- Provides a 'replace ingredient where-used' facility that enables the quick replacement of one item with a valid substitute item
- Track variances and defects

Production Management

- Monitor production processes and track exceptions with notifications when a job/batch has been assigned for rework or scrap
- Formulas are pulled into work orders or batches for tracking and recording of actual ingredients consumed or back flushed at defined standards
- Support co-product and by-product planning and tracking to help optimize decisions, including analyzing the costs of co-products and burden from by-products, as well as crediting those values to the appropriate finished goods
- Utilize job classifications to track all rework due to quality issues for trending and analysis
- Complete audit trail of "who worked on what and when". Reporting is produced as part of history record
- Reserve lots for parent item or ingredient for correct issuance of materials for FG
- Deny operators access to making changes to a job or material allocations
- Detailed work instructions, training records and videos can be associated to each job
- Final inspection prior to acceptance to determine scrap, rework, downgrade or accept

Integrated Quality Capabilities

- Quality Records are the documented evidences that processes are executed according to the quality systems plan
- Perform supplier ratings to measure, evaluate and improve supplier performance
- Manage all steps in the nonconformance process and generate corrective actions and other workflows that link right to the original nonconformance
- Automate the process of auditing including internal audits and customer satisfaction surveys
- Manage the creation, approval, distribution and archiving of all controlled documents
- Manage the identification, responsibilities, authorities, training and certification requirements for each employee
- Schedule and record the results of all your calibration activities and costs



Optimize Materials Planning & Visibility

- Optimize inventory levels with accurate forecasting to minimize forecast errors and improve order fulfillment performance
- Place stock codes, lots and bins on hold to prevent usage of discrepant material
- Define restrictions by user to either deny access or limit access to a warehouse
- Monitor transfers between multiple warehouses to provide complete visibility
- Manage purchasing process with the requisition approval workflow
- Expedite the purchasing process by creating and submitting RFQ to prospective suppliers
- Control the return and exchange of items bought from suppliers

Control Costs to Increase Profitability

- Provide accurate costing with real-time tracking
- Monitor production processes and track exceptions
- Track selling prices, discounts and deductions
- Record gains or losses on currency fluctuations for foreign trading partners
- Easily get cost breakdown of finished good item including material cost, manufacturing cost (labor and machine cost) and overhead (fixed and variable)
- Track true landed cost for imported raw materials
- Understand where your business gains and loses money, by utilizing business intelligence, analytics and KPI monitoring to optimize your business performance

Improve Customer Satisfaction

- Deliver 360 ° view of customer history with CRM
- Identify and track different types of returns, the reason for the return, and generate non-conformances and other workflows that link directly to the original return.
- Make special offers to customers by product or product families. Offer promotional goods as one-time or repeat items based on line item or total order volumes
- Establish and maintain procedures for receiving, reviewing, and evaluating complaints of a designated unit
- Offer flexible pricing options
- Track promotions and deductions
- Effectively plan and manage delivery schedules

Manage by Exception

- Notification alerts to predefined events that monitor information as certain transactions occur
- Monitor production processes and track exceptions
- Analyze data for effective decision making
- Use standard KPIs or create custom views
- Provide detailed and summary reports with drill down capability
- Convenient scheduling of standard or custom report





Food & Beverage Industry Solution

Distribution

- Inventory Control
- Purchase Orders
- Product Configurator
- Return to Vendor (RTV)
- Returned Material Authorization (RMA)
- Sales Orders
- Sales Analysis
- Forecasting
 - Families & Groupings
 - Optimization
- Landed Cost Tracking
- CRM
- EDI

Manufacturing

- Lot/Serial Traceability
- Bill of Materials
- Work in Process
- Change Control
- Requirements Planning
- Quality

Financials

- Accounts Payable
- Accounts Receivable
- Cash Book
- General Ledger
- Electronic Funds Transfer
- Fixed Assets

Analysis & Metrics

- FoodChainERP Analytics
- Executive Dashboards
- FoodChainERP Reporting Services

