

**SAGE MAS 500**

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**SAGE MAS 500**

O2 Bakery ERP



Authorized Partner





## Bakery Industry Issues

Competition, highly variable material costs, regulatory requirements and quality management are key challenges to a commercial bakery's profitability. To succeed, you need clear, accurate and timely visibility across your whole enterprise; from sales and production to purchasing and inventory control. Real-time access to information from all corners of your organization will help you keep your finger on the pulse of your company.

The O2 Bakery ERP powered by Sage MAS 500 understands the needs of commercial bakeries are unique and require a great understanding of customer demands, quality and regulatory requirements, and good manufacturing practices (cGMP).

### Food Safety, Compliance & Quality Control

#### FEATURES

- **Formula Security Management**
- **Cradle to Grave Lot Tracking**
- **Nutritional Calculations & Reporting**

Too often commercial bakeries maintain information in multiple locations (or "islands"); i.e. recipes in Excel, quality control tests in Access, production scheduling on a white board, and nutritional labeling in a third party application. The O2 Bakery ERP was developed to centralize information from all aspects of your organization and provide real-time information to all functions of your company, all while reducing error prone manual tasks.

### Production, Efficiency & Inventory Management

#### FEATURES

- **Inventory Forecasting**
- **Certificate of Analysis Tracking (C of A)**
- **Multiple Unit of Measure Calculations & Batch Sizing**
- **Capacity Resource Scheduling**
- **Graphical Inventory Dashboards**

O2 Bakery ERP manages the complex and unique inventory requirements involving ever changing production planning, operational capacity scheduling, product expiration dates, batch yields and ingredient variability. For effective inventory management, O2 Bakery ERP provides tools to forecast product demand and inventory levels, to notify of product expiration, to manage product and ingredient specifications, quality control status and vendor certificates of analysis (C of A) and provides Business Intelligence tools for powerful, flexible graphical management reporting.

The O2 Bakery ERP operates the way you do and helps commercial bakeries maximize R&D and production efficiency with Bakers Percentage calculations. Proofers and ovens are typically bottle-necks in any bakery environment; O2 Bakery ERP provides finite capacity scheduling to optimize production schedule based capacities and constraints of your plant.

*"The O2 Bakery ERP has allowed our company to migrate to a total ERP solution; a flexible application that encompasses our entire organization. Our implementation team was knowledgeable about bakeries and our specific issues making the process much easier and effective. We are pleased to have EVS and Sage as business partners."*

*- Dennis R. Marcucci, Information Systems Director,  
Gonnella Frozen Products*

### Costs, Profitability & Customer Satisfaction

#### FEATURES

- **"What-if" Cost Analysis**
- **Sales Forecasting & Inventory Requirements Planning**
- **Flexible Customer Pricing**

Managing costs, profits and customer satisfaction is a continuing challenge for commercial bakeries; the O2 Bakery ERP helps you manage and continually improve these challenges.

Low margins and often highly fluctuating material costs make managing profitability a must for commercial bakeries. O2 Bakery ERP offers real-time cost data helping you track material costs (including intermediates), labor, packaging and finished goods. In addition, "What-if" cost-analysis to help make pricing decisions easier, improve your bottom-line with better visibility throughout the entire budget, pricing, and analysis process.

Customer/product price tiers and promotional pricing can be difficult for growing food and beverage manufacturers. Let O2 Bakery ERP reduce the difficulty of pricing tiers, rebates and promotions by allowing you to better manage pricing at all levels including; customer, product, region, and calendar. Gain real insight into your food and beverage profitability and identify variances quickly.

## O2 Bakery ERP Solution

### Quality Control

With the Quality Control module you can define a battery of tests to perform for purchased materials or manufactured products and set the acceptable range for the tests. If a test fails, a lot can be placed on hold. A "work queue" can be used to alert quality control personnel of products which need to be tested and automatically generate a test schedule for production batches.

### Auditing & Security

O2 Bakery ERP provides the necessary tools and facilitates compliance with government auditing and security regulations, including the Sarbanes-Oxley and the FDA 21 CFR Part 11b. Many systems can process your data, but O2 Bakery ERP goes one step further by helping you validate and audit your data.

### Formulas/Recipe Management

O2 Bakery ERP combines powerful formulation and analysis with formula management capabilities such as formula group security and an R&D notebook. The formulation module takes full advantage of the strong physical property module. With O2 Bakery ERP, you can formulate to multiple specifications, performing many complex calculations quickly and accurately, eliminating the need for complex and mistake-prone spreadsheets.

### Production

The Production module provides powerful operational and analytic tools to help maximize efficiency and intuitively analyze historical operations. Whether you produce complete batches, require finished goods to ship before a batch is closed or operate in a "continuous flow" environment, O2 Bakery ERP can easily facilitate your manufacturing method. The "Active Role Interface" is a completely customizable workbench which provides a powerful tool to manage your operational schedule.

### Advanced Planning & Scheduling

Advanced Planning & Scheduling module has the ability to take an unlimited number of constraints into account and automatically alert planners to any violation. The Microsoft.Net architecture allows for easy addition of custom constraints unique to your business for production of schedules that respect your real-world requirements. The result is maximum production output, reduced time lost to cleanouts and a planning process that is easy to manage.

### Cost Set Scenarios

The Cost Set module for O2 Bakery ERP allows users to perform "what-if" analysis on raw material costs then see their effect on the cost of finished goods and intermediates. With each

scenario, the expected impact of the cost change on finished goods can be determined. Simplify the entry process by utilizing a linked Excel spreadsheet. When done, simply click "import" and your cost set will be updated in O2 Bakery ERP. The Cost Set Scenarios module can also be utilized to roll up costs to other inventory buckets such as replacement cost and landed cost.

### Royalties & Rebates

The Royalties/Rebates module provides the ability to automate royalties, rebates, field development, slotting fees, customer refunds or any other paid fee based on orders. O2 Bakery ERP customers can set up relationships between items, vendors, and customers in one maintenance screen. The end result is to create an automated payable transaction to the vendor. This eliminates the need for "offline" spreadsheets to calculate what is owed to vendors and saves significant time at period-end.

### EDI

O2 Bakery ERP offers more than just EDI integration software or network services. A modular approach enables O2 Bakery ERP to provide a comprehensive yet flexible EDI solution that delivers unparalleled scalability.

### Nutritional Database & Labeling

The Nutritional Database & Labeling module completely integrates with the USDA's National Nutrient Database for Standard Reference. The FDA's regulations meet the provisions of the Nutrition Labeling and Education Act of 1990 (NLEA), which requires the FDA to make nutrition labeling mandatory for almost all processed foods. Using O2 Bakery ERP, nutritional data is included with the raw material items, easily creating nutritional labels, ingredient statements, allergen declarations and nutrient content.

### Route Sell

Route Sell is a comprehensive sales force automation and productivity tool designed specifically for distributed goods industries. Extending the order entry, pricing and inventory databases to the field utilizing PDA's, tablets or notebook mobile devices dramatically increases sales force productivity. Database synchronization with O2 Bakery ERP can be accomplished on a near real-time basis with cellular wireless or in batch mode across WAN, LAN, WiFi, Internet and dial-up modem.

### Sales Forecasting

O2 Bakery ERP brings forecasting technology together with dynamic inventory policy simulations. O2 Bakery ERP makes it easy to experiment with alternative supply strategies and see the effect on service and projected inventories immediately.