

SYSPRO for the  
Food and Beverage Industry

# A Recipe for Success





## Introduction

**SYSPRO provides the means to handle the complexities of the food and beverage industry where the challenges of regulatory compliance, safety issues, quality, perishability and the demand for faster turnaround times and reliable deliveries are all-important.**

Whatever the pricing or packaging options, SYSPRO ERP solutions offer improved procurement efficiency, transaction speeds and responsiveness to customer demand. SYSPRO's traceability monitors the food or beverage life cycle from initial ingredient purchases through to manufacture, finished goods, shipment and final delivery. Our inventory management applications ensure low inventory and high service levels while incorporating multiple units of measure and catch weights, thereby enabling accurate product costing and pricing.

## Optimize Production Capacity, Improve Service Levels and Increase Manufacturing and Distribution Efficiency with the Right ERP Solution from SYSPRO

### Food Safety Regulation Compliance

To meet the stringent requirements of the Food Safety Modernization Act and the Safe Quality Food Standards, companies must be able to identify and trace every single ingredient consumed in the manufacturing process; from receipt through processing, packaging, and shipping, to the exact customer location.

- Provide full bi-directional traceability from source to consumption
- Implement successful recalls
- Produce detailed audit trails of all transactions
- Authenticate operators for specific transactions

### Benefit from Full Traceability

Whether a compliance-critical requirement or an analysis tool for continuous improvement strategies, the traceability of products from material origin through to manufacture and final destination is key to the food and beverage industry.

SYSPRO's integrated nature enables full backward and forward traceability as well as comprehensive record-keeping to meet strict compliance requirements. SYSPRO facilitates the recording of traceability and quality data on materials and products from purchasing through to inspection, manufacturing, manufacturing inspection, stocking and sales. The recording of expiry and shelf-life information is also facilitated and powerful queries enable upward and downward searches by stock code, lot number and transaction type.

- Effectively track inventory movement across physical or virtual locations
- Have traceability and quality data on materials and products from purchasing through to inspection, manufacturing, manufacturing inspection, stocking and sales
- Maintain a history of traceable items for accountability and customer service follow-up, providing efficient and effective recalls
- Keep detailed notes about inspections
- Provide reject control and documentation
- Furnish shelf-life control
- Trace semi-finished or finished products from the supplier of raw materials through to the customer
- Optionally allow the same lot number to be used for multiple stock items
- Archive information on traceable items to conserve disk resources
- View an on-screen query of current and/or archived data



## Optimize Management and Planning with Improved Visibility

To gain the competitive edge, you must be agile to respond to market demands at all levels of operation, without increasing costs and waste, and sacrificing efficiency. Whether you use line, batch or project processes, your scheduling activities must balance competing objectives. This includes the efficient management and execution of re-scheduling activities when business priorities and plans change or unexpected events occur.

Having the capability to create and execute an achievable schedule requires a comprehensive view of the current situation and available resources, as well as the tools to perform efficient re-scheduling if necessary.

SYSPRO's Manufacturing Operations Management is a powerful advanced planning and scheduling solution that empowers manufacturers to quickly create and share flexible and reliable production plans. This manufacturing execution system (MES) offers a unique level of delivery, cost and quality control of manufacturing operations for job shop, batch production, production line and mixed mode environments.

The solution enables organizations to generate accurate schedules that consider constraints around people, machines, tooling and materials. Manufacturers are then able to ensure they make best use of their available capacity to deliver to customers faster and in the most cost-effective way, and lowering production costs.

Manufacturing Operations Management can help you take control of your manufacturing operations and start to:

- Deliver to your customers faster
- Control labour and machine costs
- Reduce downtime and bottlenecks
- Measure and improve product quality
- Increase productivity and output
- Reduce cost to compete

## Accurately Record Recipes or Formulas

- Define ingredient quantities such as quantity per, fixed quantities and wet weight percentages
- Where-used query and substitution facility enables quick and easy replacement of ingredients
- Track variances and waste
- Allow for multiple revisions and releases of recipes

## Control Cost to Increase Profitability

Understanding the true cost per transaction of doing business means identifying contributing elements – direct and indirect – across the entire organization. These include not only the cost efficiency of operational activities and their interrelationships, but also the time spent on manual and redundant processes, reconciliations, paperwork and reporting, as well as the cost of lost opportunities caused by a lack of agility in responding to the global marketplace.

SYSPRO provides essential integrated visibility with your accounting, distribution and manufacturing operations, enabling you to easily identify and track your cost elements and to target areas of waste for improvement programs. Additionally, it facilitates the automation of many processes that have traditionally been labor-intensive and time-consuming, such as operational-to-financial reconciliations and communicating with trading partners.

- Provide accurate costing with real-time tracking
- Monitor production processes and track exceptions
- Increase visibility of co-products and by-products
  - ▶ Allow for manufacturing of co-products and plan for by-products
  - ▶ Define related products that share recipes
  - ▶ Apportion ingredients and operations accurately across co-products
  - ▶ Obtain accurate costs and quantities
- Track selling prices, discounts and deductions
- Allow for promotions to various customers for selected products
- Record gains or losses on currency fluctuations for foreign trading partners
- Track true landed cost for imported ingredients

## Take the Guesswork out of Forecasting and Improve Customer Satisfaction

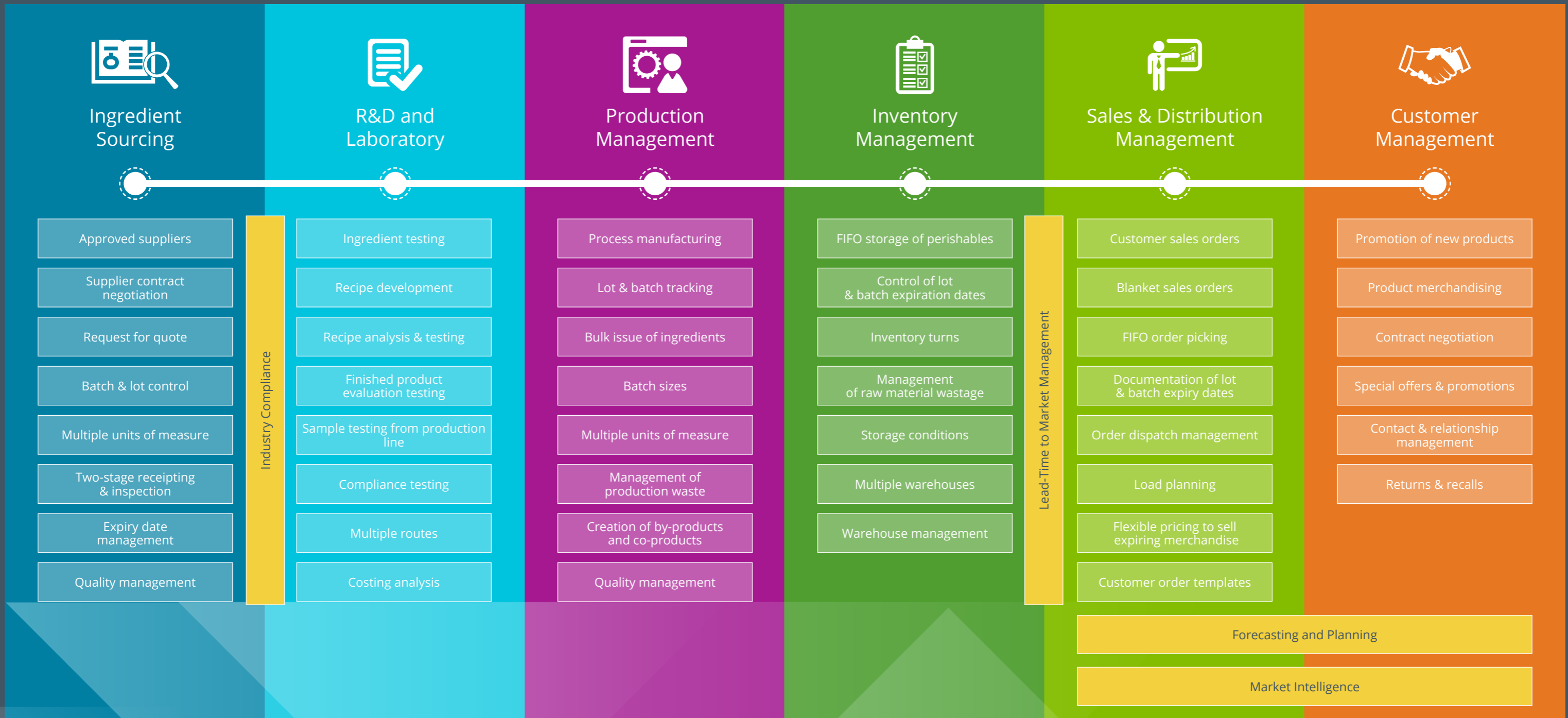
SYSPRO's Inventory Management, Optimization and Forecasting modules enable you to minimize forecasting errors and manage seasonality, thereby helping you to reduce your inventory investment and improve order fulfilment performance. This is further enhanced by features such as Available to Promise and various time fence indicators that give sales and production staff a reliable view of what they can promise to customers and when.

SYSPRO's Material Requirements Planning gives you clear visibility into the integrated effect of current and future supply and demand, enabling you to make better purchasing and production decisions as well as reduce excess and obsolete inventories.



# Monitor and Effectively Manage Your Entire Supply Chain with SYSPRO

SYSPRO ERP is a highly integrated information system that captures, controls and shares data and information across the entire enterprise and supply chain.



SYSPRO Integration Framework | Conformance with regulatory requirements

Administration | General Ledger, Cash Book, EFT, Assets, System Administration, SYSPRO Reporting Services

- Supplier Contracts
- Blanket Purchase Orders
- Lot Traceability
- Two-Stage Receipting Inspection
- What-If Costing
- Request for Quote

- Bill of Materials (Recipe Management)
- Engineer Change Control
- Return to Vendor
- Full & Partial Stock Hold

- Work In Progress
- Lot Traceability
- By- & Co-Products
- Manufacturing UOM
- WIP Inspection
- Manufacturing Operations Management
- Progressive Scrap
- Quality Management

- FIFO Storage & Issuing
- Lot Traceability
- Quality Management
- Warehouse Management
- Full & Partial Lot Hold

- Blanket Sales Orders
- FIFO Picking
- Lot & Batch Tracking
- Load Planning
- Pricing Mechanisms

- Customer Management
- Contract Pricing
- Trade Promotions
- Return Merchandize Authorization



# SYSPRO: the ERP Solution with the Right Ingredients

## The Value of Maturity

In today's fast moving technology world, it is easy to overlook the value of experience and maturity. But it takes time and experience to develop the kind of deep, rich functionality that food and beverage manufacturers need. Because we have nearly 40 years' experience in specializing in the manufacturing environment, we can provide you with a fully integrated solution that comes with a comprehensive set of tools specifically designed to help you plan, execute, control, streamline and expand production in your specialized manufacturing environments.

## Solid and Secure Technology with Deployment Freedom

SYSPRO ERP is built on a technology platform and tools designed to take full advantage of current technology while retaining the flexibility to adapt to your company's specific needs. SYSPRO is committed to applying the best of new technologies to keep SYSPRO ERP users in step with the systems and facilities they need for success in the competitive world of industrial machinery and equipment manufacturing.

Some companies prefer to maintain their ERP facilities in-house, using their own IT resources to support and maintain the hardware, systems and software. Other companies choose to take advantage of systems and applications "in the cloud" and dedicating internal IT resources to development work and direct user support. Many companies today find that a combination of in-house and cloud systems works best for their needs and capabilities. SYSPRO can support your needs and preferences, no matter what deployment strategy you choose:

**SYSPRO On-Premise** – traditional deployment of SYSPRO using in-house IT infrastructure, hardware and people resources to manage and maintain the system.

**SYSPRO Cloud Services** – Building the infrastructure needed for business critical applications such as ERP can place huge demands on your IT staff and huge costs on your business. In assisting our customers in moving to the cloud the aim of SYSPRO Cloud Services is to deliver an always available, fully managed and scalable ERP solution that will enable our customers to save money, reduce their impact on the environment, and improve their IT services by removing their IT burden, allowing them to focus on their core business at a fixed monthly cost.

The full functionality of SYSPRO ERP is available with SYSPRO Cloud Services and meets the needs of manufacturing and distribution companies that require the benefits of an ERP solution but choose not to purchase and maintain hardware or manage an in-house IT department.

## Mobile-Ready

SYSPRO Espresso provides access to business processes and data anywhere, anytime, on any popular device, delivering instant and secure access to key business information. The SYSPRO Espresso architecture allows developers to build custom applications using one piece of source code that can be deployed to all major mobile device platforms. The component-oriented architecture enables mobile users to tailor the user interface of SYSPRO Espresso applications themselves, without the need for development skills. Apps built with SYSPRO Espresso can address native device capabilities such as push notifications, signatures, camera and GeoLocation. Offline capability means that users can work with mobile apps even when there is no mobile or wireless signal.

## Safe and Secure

Being a SYSPRO customer you can rest easy, knowing that your critical systems and data are well protected and fully backed-up, as safe from cyber-attacks as modern technologies and processes can be. High availability and failover (hot site) support are included. All SYSPRO users are protected from unauthorized access by industry-standard authentication and multi-level security. External access to data is controlled through the SYSPRO integration framework and e.net business objects, thus maintaining the SYSPRO business rules and security integrity. Electronic signatures can be configured at system, company, group, role, or operator level. You can also configure the system to maintain a transaction log for auditing purposes and activate triggers for integration with third-party systems or notification via e-mail.

## Implementing SYSPRO

SYSPRO is invested in your success – we want to be your long-term partner. We understand that a well-planned and managed implementation is critical to getting the benefits you expect and need from your SYSPRO ERP system. In support of these objectives, we have developed a structured, model-driven implementation approach to help reduce the time and cost of implementation. This proven methodology encourages the adoption of best practices, fosters responsibility and accountability, and helps keep budgets and timescales on track. IDEAL, our implementation methodology, facilitates a successful implementation and a roadmap for reaping a return on investment on the project for many years to come.

IDEAL is a scalable, structured and phased approach which consists of predefined inputs, activities and outputs that will deliver a solution which meets your objectives. The methodology is designed to provide a project that:

- Delivers the right solution that best meets your requirements
- Uses our experience and knowledge of best practices to your benefit
- Provides visibility to and accountability of our activities and services
- Uses your resources effectively
- Empowers you and your employees to know and leverage the solution for your business
- Scales to meet the complexity or simplicity of implementation needs and the company's capabilities





## About SYSPRO

Established in 1978, SYSPRO is an industry-built Enterprise Resource Planning (ERP) solution designed to simplify business complexity for manufacturers and distributors worldwide. SYSPRO provides an end-to-end business solution for optimized cost control, streamlined business processes, improved productivity, and real-time data analysis for comprehensive reporting and decision-making. SYSPRO is highly scalable and can be deployed either in the cloud, on-premise, or accessed via any mobile device.

What sets SYSPRO apart is an unwavering, sustained focus on the manufacturing and distribution sectors. Combined with a practical approach to technology and a passionate commitment to simplifying business processes, SYSPRO dedicates itself to the success of its partners and customers alike.

SYSPRO dedicates its resources to the advancement and improvement of the complex and changing needs of its customers. Recognized as a leader in customer service, SYSPRO has one of the highest customer retention rates in the industry.

SYSPRO's intuitive product features, business intelligence capabilities, and easy deployment methodology are unmatched in the marketplace. The depth of software functionality and targeted industry knowledge makes SYSPRO an excellent fit for a number of select manufacturing and distribution industries, including food and beverage, machinery and equipment, electronics, fabricated metals, automotive, and many more.

SYSPRO has more than 15,000 licensed companies in over 60 countries. For more information, visit [www.syspro.com](http://www.syspro.com).





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