Epicor ERP Operations Core

Product

▶ Epicor® ERP

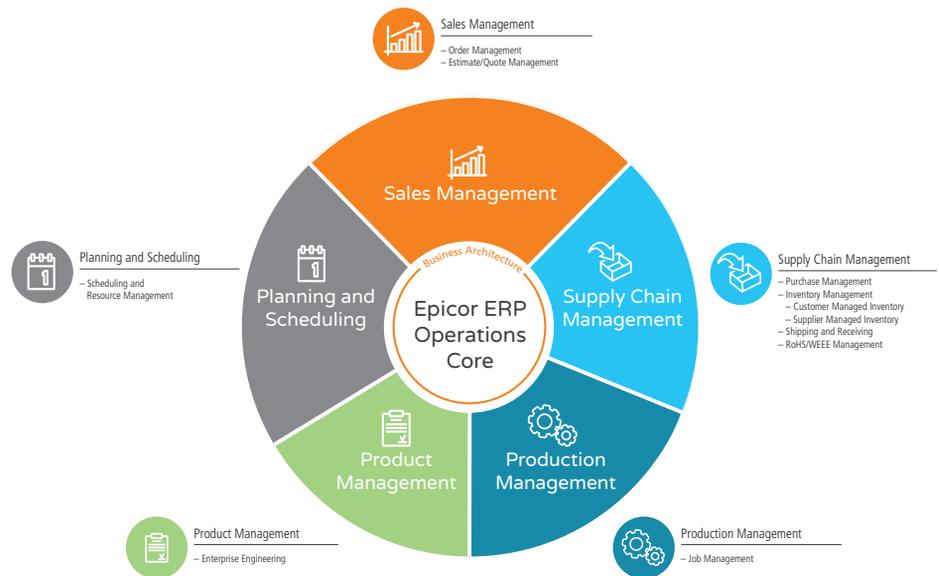## Benefits

▶ Effectively manage your manufacturing operations

▶ Increase visibility throughout the value chain

▶ Improve your customer satisfaction levels

A Great Way to Optimize and Integrate Your Business Operations

Epicor ERP Operations Core includes key functionality to help you transform the way you run your business. Offering a solid foundation, it enables you to streamline the most important processes of your operation—from processing your orders and managing inventory, to successfully fulfilling your customer demands.

Epicor ERP Operations Core includes the following modules:

Sales Management
– Order Management
– Estimate/Quote Management

Planning and Scheduling
– Scheduling and Resource Management

Supply Chain Management
– Purchase Management
– Inventory Management
  – Customer Managed Inventory
  – Supplier Managed Inventory
– Shipping and Receiving
– RoHS/WEEE Management

Product Management
– Enterprise Engineering

Production Management
– Job Management

Epicor ERP Operations Core expands your Epicor ERP solution and fits with your changing business needs, as optional add-on modules are available to help customize your solution beyond the core packages.

Sales Management

Order Management

Order Management drives the Epicor system. From the time an order is entered, its progress is tracked through final shipment—producing order fulfillment on demand. All orders and change orders can be managed online, enhancing the order-to-delivery process for increased customer satisfaction.

Estimate/Quote Management

With Estimate/Quote Management, you can easily generate and track customer or prospect requests for quotation (RFQs)—from the time of inquiry until an order is placed. You can get quotes out more quickly with more accurate pricing and lead times. Calculate material, subcontract, labor, and burden costs for multiple quantities of a part with information from the last time you quoted, from a similar part, or from the Bill of Materials (BOM). You can also add special charges like tooling or design. When the order arrives, easily make updates, produce the detailed routing, and release it to the shop floor.

Transfer quote information to a sales order or job. Built with tremendous flexibility, there are multiple ways to process an order and job from an existing quote, such as:

▶ Push to an order by the line item
▶ Flag as won, which automatically generates an order
▶ Pull from Order Management with flexibility to define specific lines and quantities desired

Supply Chain Management
Purchasing Management

Purchasing Management provides the ability to create purchase orders and allows you to track supplier performance. Detailed line items indicate planned receipts to inventory or a job—planned destination may be changed at the time of actual receipt entry. Purchase order receipt processing updates supplier and detailed purchase history files, which provides continual reference to aid in making future purchasing decisions. You can reduce inventory levels, and improve on-time deliveries, which could lead to enhance your cash flow, and increase your profit levels.

Other capabilities include:

▶ Approve suppliers before anything can be ordered from them
▶ Automate part suggestions, quantities, and suppliers to buy from in order to meet material requirements and on-time delivery schedules
▶ Link the cross-reference in the suggested supplier file for printing on purchase orders when a supplier's part number differs from the stocking part number
▶ Quickly create receipt details for all lines, all releases for a specific line, or individual lines and releases
▶ Receive individual lines or line releases to different locations for multi-site organizations with centralized buyers

Inventory Management

Inventory Management provides the key functions necessary to update and maintain raw materials, WIP, and finished goods inventory quantities and costs. MRP creates inventory allocations for jobs entered through Job Management or generated from Order Management. These allocations are relieved as inventory items are issued to the job or as purchase order receipts are posted.

Customer Managed Inventory gives you visibility into inventory owned by your customer and allows you to assign that inventory to a job or sales order for that customer or that customer's customer. In both cases, the values of these inventory items never appear in your ledgers.

Supplier Managed Inventory provides visibility into inventory owned by your supplier in your warehouse. However, the inventory does not appear in your ledger until you consume those items—either in production or by receiving them to your warehouse.

Epicor also delivers the ability for parts to have a compliance status in accordance with various legislative requirements and to track the consumption and disposal of six Hazardous Substances from certain types of electronic equipment, according to RoHS regulations.

Shipping and Receiving

Shipping and Receiving provides a central application within Epicor to monitor incoming and outgoing items—whether they are shipments against an order, subcontract parts being sent to a supplier, raw material being received from a purchase order to a job or into inventory, or filling an order from stock. All activity relating to shipments and receipts can be performed and tracked. Online transaction processing promotes efficiency and ease of use, while online editing promotes accuracy. With Shipping and Receiving, a consistent interface processes all shipments and receipts in an efficient, accurate, and cost-effective manner.

Other capabilities include:

▶ Print customizable bill of lading forms
▶ Track customer shipments
▶ Optionally mass release shipping lines from orders with same ship-to addresses
▶ Track shipments and receipts of subcontract items
▶ Track receipts for goods that have been received
▶ Manage miscellaneous receipts and shipments

Production Management
Job Management

Job Management is a comprehensive production control solution designed specifically for the planning, routing, scheduling, costing, and tracking of products—including assembled, manufactured, and semi-finished products. It provides innovative tools for better planning and costing with historical run analysis that compares estimates to actuals on a run-by-run basis. Users can more easily identify wasted processes and continuous improvement opportunities on the production floor for maximized profitability.

The planning workbench allows access to the scheduling board for more detailed job management. From a single view, you can access all job related actions like the creation of new jobs, changing job requirements to match changing demand, and allocating or reallocating jobs to satisfy changing customer demand.

With the Job Costing functionality included, you can compare actuals to estimates online review job costing for materials, material burden, subcontracting, and operations; and compare projected and actual billings for profitability analysis.

Product Management

Enterprise Engineering

Achieve control and consistency in your engineering change and revision process with Enterprise Engineering. Engineering Change and Revision Control is designed to enable engineering change management, multiple revision control of products, and engineering workflow management, and it offers detailed cost analysis of products during the engineering process.

Detailed routings facilitate planning, scheduling, and costing of products more efficiently. Everything needed to produce a product is managed in one central location.

Epicor supports traditional BOM management with single-level part formats that recognize the materials and components required to build end parts.

In addition, it introduces multilevel BOM management that incorporates not only single-level components and material requirements, but also internal and external routing steps for complete end assembly visibility, planning, scheduling, and costing. Also included is visual engineering technology with indented tree structures and drag-and-drop BOM management.

The Engineer Workbench included on this module provides engineers with an area to manage all engineering tasks related to the modification, review, and approval of assemblies—including full revision updating and control, check-out procedures, security, engineering change orders, BOM maintenance, what-if BOM maintenance, what-if cost rollups, adding parts, placing parts on hold, and product routing maintenance. It also enables engineers to drill into all related information, like jobs, inventories, sales orders, and quotes.

Planning and Scheduling

Scheduling and Resource Management

Multiple resource views and online scheduling tools—such as the change impact informer—offer the master scheduler and manager the ability to visually locate overload problems and slack conditions, and then perform cost and throughput analysis on schedule changes before they are firmly committed.

The scheduling engine uses several factors that affect production quantity, setup time, production time, capacity, priority, and more to calculate how long it will take to complete each job. It then displays the schedule through the Job Scheduling Board, the Resource Scheduling Board, and the Multi-resource Scheduling Board.

Schedule jobs based on forward, backward, what-if, and infinite capacity. In addition, with finite scheduling, you can schedule and reschedule with flexible, finite real-time capabilities for a single job and plant-wide global finite capacity.

Business Architecture

Epicor Everywhere™ Framework

This offers a an advanced technology that stores all client business logic as tagged XML metadata, enabling Epicor applications to run as desktop applications, web clients, or on mobile devices—all from the same source code.

Epicor Service Connect

This is a central business integration platform that provides secure workflow orchestrations within Epicor service software applications and between Epicor and non-Epicor applications. Users can automate tasks and streamline processes to promote efficiency across the supply and demand chains.

Epicor Enterprise Search

Epicor Enterprise Search delivers search engine capabilities that bring the personal internet experience to the workplace. It provides a comprehensive search capability that's either embedded within Epicor ERP or available to be invoked as needed within popular web browsers and productivity tools like Microsoft® Office.

Epicor Business Process Management

Epicor Business Process Management provides real-time, event-driven workflow orchestrations, process automation, and application integration without the need for programming—allowing you to better manage your business activities. It delivers a flexible tool in support of continuous performance initiatives—like Lean and Six Sigma—by making software more agile for you to build your own business rules and manage those rules at a business level.

Additional Functionality

Expand the capabilities of your Epicor ERP solution to support your business with additional modules. Some of the additional modules available include:

Additional Modules				
Sales Management	▶ Purchase Contracts ▶ Advanced Material Management ▶ Landed Cost/Container Tracking ▶ Pack Out Management ▶ EDI/Demand Management	Business Architecture	▶ Auto Label Print Control ▶ Advanced Enterprise Search ▶ Full Use Service Connect ▶ Document Attach Tool ▶ Data Management Tool ▶ Web Service License ▶ Advanced Printing	
Product Management	▶ Product Configuration ▶ Product Lifecycle Management	Customer Relationship Management (CRM)	▶ Mobile CRM ▶ External Integration to Salesforce.com®	
Production Management	▶ Advanced Production ▶ Quality Assurance ▶ Enhanced Quality Assurance	Planning and Scheduling	▶ Advanced Planning and Scheduling ▶ Smart Demand Planner ▶ Material Requirements Planning ▶ Shop Floor User	
Service Management	▶ Field Service Automation	Human Capital Management (HCM)	▶ Human Capital Management Core	
Project Management	▶ Project Management ▶ Advanced Project Billing ▶ Time Management ▶ Expense Management			

About Encompass

Encompass Solutions is a business and software consulting firm that specializes in ERP systems, EDI, and Managed Services support for Manufacturers and Distributors. Serving small and medium-sized businesses since 2001, Encompass has helped modernize operations and automate processes for hundreds of customers across the globe. Whether undertaking full-scale implementation, integration, and renovation of existing systems, Encompass provides a specialized approach to every client's needs. By identifying customer requirements and addressing them with the right solutions, we ensure our clients are equipped to match the pace of Industry.

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