

# ORACLE BUSINESS ACCELERATOR FOR JD EDWARDS ENTERPRISEONE: MANUFACTURING

**ORACLE**

JD EDWARDS ENTERPRISEONE

## PRODUCT HIGHLIGHTS

- Accelerate time-to-value of popular ERP modules using implementation tools built for JD Edwards EnterpriseOne
- Implementation tools include wizards, configuration components and other assets
- Services and training from Oracle partners or Oracle Consulting Services
- Prepare detailed forecasts based on actual sales data using 12 formulas
- Plan material requirements to a master schedule
- Maintain item data specific to manufacturing needs
- Use ECRs and ECOs with approval workflow to manage bill of material updates
- Support discrete and process manufacturing with bills of materials and ingredients
- Mixed-mode manufacturing capabilities
- Create, release and close work orders tied to sales orders
- Process manufacturing costs periodically for updates to the general ledger
- Create a distribution plan based on forecasts and orders; tie distribution activity to accounting
- Multi-currency and multi-language capabilities
- Add any other JD Edwards EnterpriseOne module when business needs change and operations grow

## The Issue: A New, Global Business Model for Manufacturing

Manufacturers of all sizes face similar challenges — increasing customer demands, mounting global competition, shorter product lifecycles, and increasing manufacturing complexity.

Customers are demanding greater levels of customization, which means that manufacturers must be able to produce sophisticated configurations quickly and efficiently. Production lines that were once designed for a single product are now used to produce multiple products. In addition, ever-shorter product lifecycles are exposing the limitations of traditional methods of supply chain management.

Within this changing landscape, a new business model has arisen: the demand-driven manufacturer. Demand-driven manufacturers are positioned for success by aligning supply with demand so that they produce only what they need to fulfill customer demand each day. Inventory levels are lower yet fill rates and overall profits are higher. By using the demand-driven model, manufacturers are able to do more with less — and do so profitably.

## The Solution: Oracle Business Accelerator for JD Edwards EnterpriseOne: Manufacturing for More Profit with Less Inventory Based on Demand

Oracle Business Accelerator for JD Edwards EnterpriseOne: Manufacturing incorporates key components of JD Edwards EnterpriseOne financial and operational modules into a solution that helps businesses streamline core operations. This package of implementation tools, with wizards and configuration components, service offerings and hardware recommendations, is designed to select and implement a manufacturing management system built with full-scale ERP solutions that maximize employee productivity in a minimum amount of time.

## A Solution with Broad Manufacturing Capabilities

This solution provides full-scale JD Edwards EnterpriseOne applications that streamline the flow of transactions, information, and materials within and among businesses. Manufacturers are able to track costs more effectively, eliminate repetitive data entry, and stay focused on producing the highest-quality products at the lowest cost with the least amount of working capital. And when you want to increase the reach of the enterprise system, manufacturers can add other JD Edwards EnterpriseOne applications — all integrated and built on the same powerful database and toolset.

Oracle Business Accelerator for JD Edwards EnterpriseOne: Manufacturing also delivers leading practice configuration components that have been created specifically for manufacturers. Rather than spending time on activities such as setting up a chart of accounts, configuring commodity business process flows, defining user roles, or setting up system security, growing manufacturers can use our implementation tool.

- JD Edwards developed this Oracle Business Accelerator based on its extensive experience in the manufacturing industry; the solution is designed to meet the needs of demand-

driven enterprises. It also supports fundamental business processes across financial management, sales management, inventory, and distribution. All are designed to help companies reduce their manufacturing limitations and drive improvements.

### **Oracle Business Accelerators - Questionnaire-Driven Software Configuration with Hardware and Services**

Like all Oracle Business Accelerators for JD Edwards EnterpriseOne, Manufacturing has:

- A foundation of configured JD Edwards EnterpriseOne software that includes defined business processes and roles, with technical setup and installation support.
- Module specific questions as part of the wizard to address your requirements when the Business Accelerator builds the initial environment.
- Pre-engineered hardware configurations.
- A complete bundle of open-standards infrastructure software that includes a web application server, portal, database, and security and technology tools.
- Services from Oracle partners or Oracle Consulting Services to speed implementation and address unique needs.
- On-site training from Oracle partners or Oracle Consulting Services that get users up to speed and productive quickly.

### **Speeding Implementation for Rapid Time-to-Value**

Since Oracle Business Accelerators for JD Edwards EnterpriseOne: Manufacturing includes many leading practice, configured components your implementation time is faster, even when environment and technical setups specific to your hardware and database choice are considered. This implementation tool with accelerated installation and implementation services means that your solution can be up and running in weeks instead of months.

Yet, even though JD Edwards EnterpriseOne: Manufacturing includes defined business processes that are refined by the requirements you specify in the wizard, you can further adapt the solution to support your specific way of doing business. Oracle's partners and Oracle Consulting Services provide implementation consulting that focuses resources on those critical processes that are unique to your organization. The result is an implementation process that meets your specific needs and accelerates time-to-value.

### **Scaling Your Investment to Meet Changing Business Needs**

Oracle Business Accelerators for JD Edwards EnterpriseOne provide you with the ideal foundation for your enterprise systems. The included applications are the same full-scale products that are available outside of Oracle Business Accelerators for JD Edwards EnterpriseOne bundles and are not slimmed-down versions of our other offerings; they can be deployed with all other JD Edwards EnterpriseOne applications. With Oracle Business Accelerators for JD Edwards EnterpriseOne you are not constrained by technology; instead, you build from a platform to scale with growth.

### **Manufacturing Features that Support Your Business Needs Everyday**

- **Extract Sales History:** Extract sales order history, over a period of time, to build a foundation of actual sales information. Use this data for forecasting future sales.

- **Prepare Detailed Forecast:** Process actual sales history with up to twelve formulas to forecast future period sales. This forecast can be summarized by attributes and over multiple levels. Attributes, for example, may denote a product family. Summarized forecasts can be 'rolled up' from the bottom or 'forced down' from the top.
- **Master Schedule:** Using independent demand, in the form of sales orders and forecasts, schedule master production items (typically finished goods). The master schedule is used in conjunction with capacity planning to create a feasible production schedule for finished goods. The time horizon is telescoping over a mix of daily, weekly and monthly buckets. You can configure which supply and demand events are included.
- **Plan Material Requirements (MRP):** Explode the master schedule through multi-level bills of material to generate the material requirements plan. This plan suggests changes to quantities and delivery dates for production and procurement orders, netted and phase dated over the planning horizon.
- **Maintain Item Data:** Maintain manufacturing specific item data, for example stocking type, planner number and costing type. These values are used in numerous processes, such as MRP and manufacturing accounting.
- **Manage Product Costs:** Product costs include material, labor, overhead and user defined costs known as add-ons. Through inventory applications you maintain material costs. Through work center and routing definitions you establish labor rates and content. Standard and actual cost types are rolled from lower levels to higher levels.
- **Discrete and Process Manufacturing:** Use bills of material or ingredients to define the list of components needed to produce a parent item. Use routings or processes to define operations needed to produce the parent item. Manage all aspects of the shop floor necessary to produce product.
- **Engineering Change Requests (ECR) and Engineering Change Orders (ECO):** Use ECRs or ECOs to manage updates to parent item's bill of material. Workflow can be used to control the approval process. Apply changes in advance of the actual affectivity.
- **Create, Release and Close Work Orders:** Work orders are created via post MRP message processing, directly from a sales order, through product configuration and by manual entry. BOMs and routings are extended by the work order quantity at the time of order release. When work orders costs are tracked, component material is decremented and parents are produced.
- **Create Journal Entries:** Process manufacturing costs periodically for update to the general ledger. Automatic accounting instructions provide flexibility in cost allocation.
- **Create a Distribution Plan:** Upload forecasts and create orders to accurately and quickly fulfill customer demand. Improve customer satisfaction levels and revenue.
- **Selling a Product:** Create the sales order, view customer credit information, accurately manage pricing for specific customers and market segments, automatically trigger purchase orders, send products to the customer, and post the invoice journal entry. Through automation, streamline the entire distribution process and improve cash flow by speeding delivery of invoices to your customers.
- **Direct Shipping:** Create the sales order and the corresponding purchase order to allow to

you ship directly from the manufacturer to your customer — with the ability to track the order. By automating the shipment of products you don't keep in stock, you can speed delivery time and decrease handling costs.

- **Cross-Docking:** Automatically identify matches between sales orders and inbound inventory to direct receipt of goods and prioritize shipments. Increase fulfillment rates and lower handling costs associated with put-away and picking processes.
- **Setting the Cost for a New Item:** Establish the cost of an item and automatically adjust journal entries to reflect the new cost. You quickly understand profit margins on products.
- **Accounting for Distribution Activity:** Automate journal entries for work order management to account for all resources associated with distributing a product, including direct labor, customer shipping and packaging, and indirect overhead. This information gives you insight into the profitability of products you distribute.

### Feature/Function Highlights

- Configured manufacturing business processes
- Wizard that captures your process requirements
- Accelerated implementation services
- Built-in distribution business processes
- Pre-engineered hardware configurations
- Pre-integrated tools and technology
- Flexible installation processes
- Bill of material creation and management
- Sales order management
- Inventory management
- Product costing
- Profitability management
- Cross-docking
- Master scheduling
- Materials planning
- Manufacturing management

### Solution Integration

With Oracle Business Accelerator for JD Edwards EnterpriseOne: Manufacturing, you can leverage any Oracle Business Accelerator for JD Edwards EnterpriseOne including Financials, HCM, CRM and Distribution. You can also purchase and implement any JD Edwards EnterpriseOne module. Recommended product families include:

- Manufacturing
- Supply Chain Planning
- Supply Chain Execution
- Supply Management
- Project Management
- Capital Asset Management
- Financial Management
- Human Capital Management
- Customer Relationship Management

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