

Oracle Manufacturing Cloud – R12

Pre-Release Draft – Subject to Change. Subject to Safe Harbor statement in Footnotes



The Oracle Manufacturing Cloud solution helps firms compete in today's global market by providing new and better tools to run their shop floor. With margins for products eroding and customer demands increasing, manufacturers must adopt modern best practices to increase business agility, enable insightful decision-making, and achieve more, with fewer resources. Built on a modern cloud platform, this solution provides manufacturing and supply chain materials management with embedded analytics and '2-click' ease of use, enabling outstanding user productivity and excellent return on investment. Cloud, desktop, tablet, mobile, scanning and social technologies are combined to provide the state of the art solution for manufacturing companies - whether you do in-house manufacturing or contract manufacturing - it can transform your business.

EFFICIENTLY MANAGE YOUR SHOP FLOOR IN THE CLOUD

KEY BUSINESS BENEFITS

- Increase margin/revenue
- Reduce cost of ownership
- Rapidly implement using quick set up
- Manage and execute your production process, both internal and contract manufacturing.
- Reduce inventory, drive down costs, improve on-time deliveries

MANUFACTURING SOLUTION IN THE CLOUD

The Oracle Manufacturing Cloud is designed to achieve manufacturing excellence in the industrial manufacturing and high technology industries without expensive hardware and system management overhead costs.

Visually design your Production Process

In the Oracle Manufacturing Cloud, engineers can quickly define the necessary data for their plant hierarchy and process standards, working calendars, work areas, work centers resources, calendars and standard operations. They can visually design the production process on a new object called a work definition – which combines the item structure and routing into a single view. They create their operations, and then drag and drop resources and components to the process to complete the flow – determining shop floor controls on the way (such as which components must be manually issued, vs. automatically backflushed.) In addition, they can collaborate with colleagues through real-time conversations and stay connected with updates to work definitions using Oracle Social Network

Safe Harbor Statement

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The Oracle logo, consisting of the word "ORACLE" in white capital letters on a red rectangular background.

KEY FEATURES

- Optimized end-to-end supply chain business flows
- Discrete manufacturing on the cloud, including contract manufacturing, configure to order, and drop shipment
- Ease of use with 2-click work order execution
- Flexible work order costing
- Embedded analytics driven navigation and real-time views into work orders with serialized enabled manufacturing
- Advanced graphical editing tool-visually design the work definition
- Embedded Social Collaboration

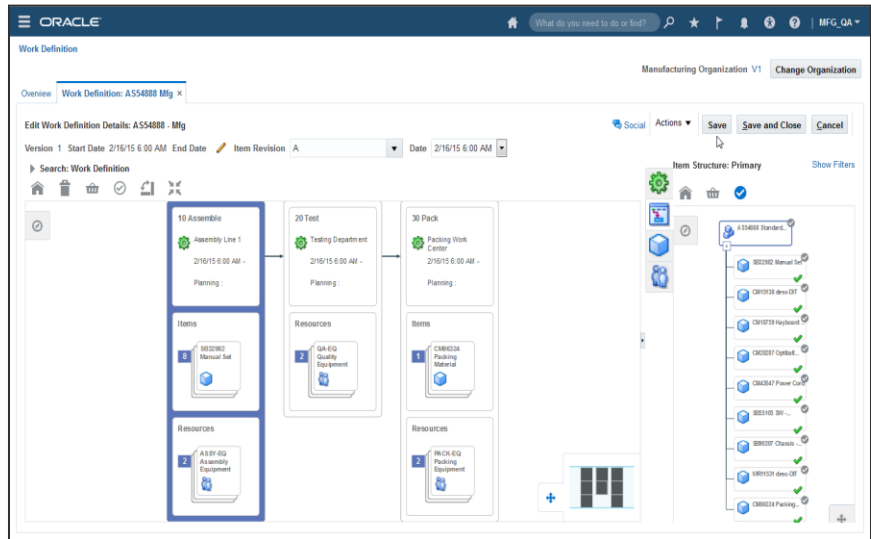


Figure 1. Work Definition - Visually design a work definition representing the discrete manufacturing operations, materials, and resources to make a standard or configure-to-order (CTO) product

Efficiently Manage Your Shop Floor While On the Go

The Production Supervisor starts on a landing page that gives them a quick look at critical information about how their work area or work centers are running. They can view and resolve exceptions with-one click access to drill into the details and take action, print travelers, generate parts list and view production history. All designed for use on a tablet and / or smartphone, so the supervisor can take action on the go.



To execute production the operator is provided with a simple, intuitive, easy to use dispatch list with two clicks required to issue materials, charge resources, complete a job, log a manufacturing exception, enforce serialized or lot transactions, report orderless completions, rejections and scrap, and print production documents and labels...again optimized for the tablet. Work orders are also socially enabled to collaborate on problems, and Oracle Transactional Business Intelligence gives you quick and easy reporting capabilities.

Quantity	UOM	Status	Work Order	Item	Work Center	Operation Name	Completion Date	Materials	Resources
3	Each	Ready	1130 - 30	AS54888	Packing Work	Pack	8:00 PM	Materials	Resources
2	Each	Ready	1128 - 30	V296320	Packing Work	Final Pack	8:43 PM	Materials	Resources
2	Each	Ready	1133 - 30	AS54888	Packing Work	Pack	9:00 PM	Materials	Resources
2	Each	Ready	1134 - 30	V296320	Packing Work	Final Pack	9:10 PM	Materials	Resources
3	Each	Ready	1135 - 30	AS54888	Packing Work	Pack	9:30 PM	Materials	Resources
1	Each	Ready	1136 - 30	V296320	Packing Work	Final Pack	9:51 PM	Materials	Resources

Figure 2. Review dispatch list, execute and complete work orders

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ORACLE®

Real-Time Visibility into Strategic Contract Manufacturers

In today's businesses there are two types of main types of contract manufacturing – one where you buy the end product and communicate with your supplier only on delivery dates. , And another, more strategic relationship where you and your contract manufacturer share both more information and more liability for the supply chain execution. In the strategic relationship, the buying company buys a build service, consigns key components to the contract manufacturer, and they ask the contract manufacturer to share details about on hand inventory and work in process progress to enable more accurate supply chain planning. . The Oracle Manufacturing Cloud, together with the Oracle SCM Cloud provides real-time visibility into the production progress that occurs at the strategic contract manufacturer site, and can also monitor components that an original equipment manufacturer (OEM) supplies to the contract manufacturer's site. A contract manufacturing work definition defines what product will be manufactured, and the operations that require production reporting from the contract manufacturer. A contract manufacturing work order is created for each purchase, to track production progress and capture costs that are occurring at the contract manufacturing site - improving supply chain inventory and costing visibility.

Automatically:

- Plan for the finished goods as well as OEM owned components at the contract manufacturer.
- Create purchase requisitions and orders for the build service, and instruct your contract manufacturer to direct ship the resulting goods to your customer or back to your ware house.
- Create a tracking work order in reference to the purchase order to track progress.
- Adjust to supply and demand changes, and give your supply chain manager the ability to re-source the supply.

Streamline Configure-To-Order

In today's business environment, customers are demanding products that are tailored to their unique specifications. Successful companies must provide customized versions of products with shortened lead times. With Oracle's configure-to-order features, you can streamline configuration management and deploy an efficient build-or-purchase-to-customer-demand solution with the shortest possible fulfillment cycle times. Capture a configured customer order and automatically create and reserve a work order, purchase order or transfer order, or simply reserve to a matching, on-hand configuration. The system manages changes to supply and demand automatically, and alerts you to exceptions when they occur. If the configuration will be made, the system creates a reserved work order to build the item based on the selected options. The configured item work definition is created on demand during planning collections and work order creation, using the base ATO Model work definition, selected options and transactional item attributes along with the applicability rules. This design reduces item proliferation and replication of data, improves item management and on-time order fulfillment.

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Effectively Plan and Track Manufacturing Costs

Oracle has a robust cost management solution, supporting the planning, costing and analysis of your manufacturing costs. Flexible work order costing supports all costing methods – standard, actual, LIFO, FIFO – or even multiple simultaneous costs - one for your official external reporting, and one for your internal management reporting. There are flexible, user defined account defaulting rules and valuation policies using cost profiles. Manufacturing cost analysis is displayed through a hierarchical view of buy item standard parts and very intuitive, visual reporting of cost variances.

There is a unified view of all work order related costs. Costing calculates the cost of work orders based on material (including landed costs), resource transactions and overheads. Partial completion costs are calculated according to user defined method and entries adjusted to actual, when the work order is closed. Costing analyzes WIP balances, total cost incurred, scrap and variances for work orders.

RELATED SOLUTIONS

Oracle Planning Central Cloud

complete manufacturing planning solution in one unified and multi-dimensional analytics platform.

Oracle Inventory & Cost Management Cloud manages the inbound, outbound and internal flow of goods.

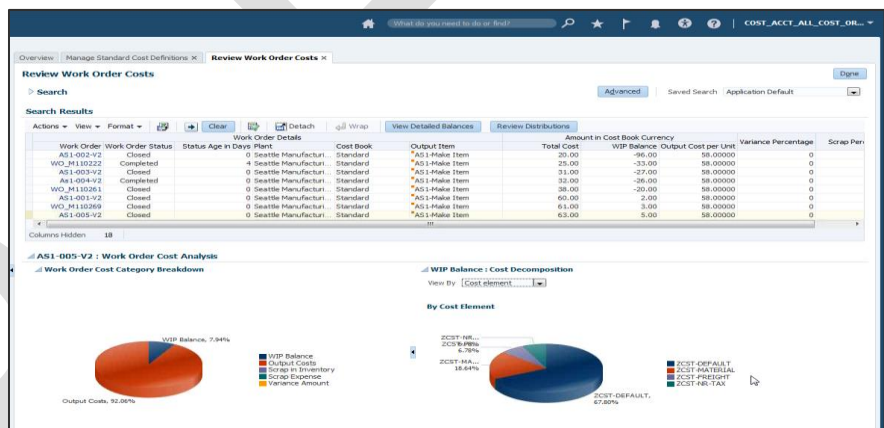


Figure 3. Review and Analyze Work Order Costs

Oracle Transactional Business Intelligence for Discrete Manufacturing

Companies today need the ability to analyze transactional data from their manufacturing facilities to improve supply chain visibility. They need visibility into production, inventory, quality and cost information to reduce waste and increase profits. Oracle Transactional Business Intelligence provides quick and easy access into the transactional system. Data can be sliced and analyzed by transactions across business processes for your, discrete manufacturing, contract manufacturing, configure-to-order, back to back, drop ship and internal material transfers.

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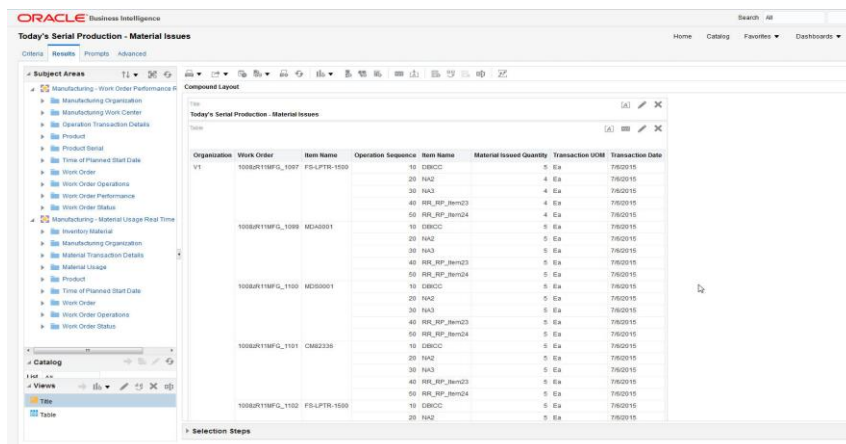


Figure 4. Oracle Transactional Business Intelligence - real time, self service reporting

Users can view and analyze four discrete manufacturing areas--work order performance, material usage, resource usage and actual production. Reports and charts can be embedded into the Fusion applications.

Seamlessly Integrate Between External Systems

You can integrate the Oracle Manufacturing Cloud application with other enterprise systems and extensions running on Oracle's Platform as a Service (PaaS) using REST services or bulk uploads. From any external application, you can use the Get / Update actions for work area, work center, work order header, work order details, material / resource/ operation transactions and dispatch list.. There are also inventory services such as reserve, replenish, internal transfer and receipt advice to support your supply chain flows.

Oracle Cloud Applications

The Oracle Cloud offers self-service business applications delivered on an integrated development and deployment platform with tools to rapidly extend and create new services. The Oracle Cloud is ideal for customers seeking subscription-based access to leading Oracle applications, middleware and database services, all hosted and expertly managed by Oracle. The application services are designed for ease-of-use, enabling business users to manage the solution directly with no IT involvement.

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For more information about Manufacturing Cloud, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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Integrated Cloud Applications & Platform Services

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