

# ORACLE DAILY BUSINESS INTELLIGENCE FOR MANUFACTURING

## KEY FEATURES

ORACLE DBI FOR MANUFACTURING IS A COMPREHENSIVE SOLUTION FOR MONITORING AND MANAGING THE PERFORMANCE OF MANUFACTURING OPERATIONS.

- Track on-time production
- Analyze scrap by reason
- Monitor the production value for a given period
- Analyze which items were over and under- produced as compared to the plan
- Compare the actual cost of jobs to the standard cost
- Determine if excess charges have been incurred for open jobs
- Analyze which departments and resources are most over and under-utilized
- Identify resources likely to be bottlenecks
- Identify which manufacturing plan results in the best utilization of resources
- Compare manufacturing plans with respect to multiple competing objectives
- Evaluate planning scenarios based on different tactical assumptions
- Analyze the impact of supply chain operations on profitability

Oracle® Daily Business Intelligence (DBI) for Manufacturing offers manager enhanced visibility into their manufacturing operation. It enables them to maximize manufacturing performance by enabling them to identify potential issues earlier and gives them a tool to address them before they escalate into real problems. Oracle DBI is fully integrated with Oracle E-Business Suite to ensure that the data you capture and create with your business applications is transformed into information that drives competitive advantage

### A Comprehensive and fully-integrated Solution

DBI for Manufacturing provides reliable information directly from mission-critical business applications in a self-service fashion freeing executives from hard-to-use, error-prone custom solutions. Using DBI for Manufacturing, managers have rich, integrated and up to the day information to improve manufacturing execution and meet strategic objectives.



Figure 1: Manufacturing Management Dashboard

### Maximize Manufacturing Throughput

Manufacturing managers need up-to-date visibility to the actual production volume compared to the planned production. By highlighting deviations from planned production, DBI initiates timely root-cause analysis. This facilitates corrective actions to get the production back on track to achieve the desired objectives. It

enables the managers to answer questions such as:

- What is total value of the production for a given period?
- How does the production compare to the plan?
- Which items were over and under-produced as compared to the plan?
- What is total value of the cumulative planned production for any selected period?
- How much production is required to achieve the plan by the end of a selected period?

### **Drive Profitability by Controlling Costs**

Controlling manufacturing costs is critical for an organization to be competitive in the marketplace. Inefficient use of material and resources contribute to higher manufacturing costs. Managers need timely information regarding deviations in costs, in order to take immediate corrective action. DBI highlights the cost impact of material and resource inefficiencies by answering the following questions:

- How does the actual cost of jobs compare to the standard cost?
- Have excess charges been incurred for any open jobs?
- How does the actual material usage compare to the standard?
- What was the value, quantity, and percentage of scrap generated?
- Is the actual cost of resource used in excess of the standard?
- What was the efficiency of each resource?

### **Monitor Resource Utilization and Identify Bottlenecks**

Managers need visibility into the most heavily utilized resources in order to identify likely constraints that directly impact production. At the same time, they should be able to identify under-utilized resources, in order to redistribute workload and improve throughput. DBI assists in the management of resources by answering the following questions:

- Which resources have been most over-utilized and are likely to be bottlenecks?
- Which departments and resources are projected to be most over and under utilized?
- Which underutilized resources can be redeployed with greater effectiveness?
- Which manufacturing plan results in the best utilization of resources?

### **Compare Manufacturing Plans in Terms of Key Performance Indicators**

Manufacturing companies must optimize plans to satisfy competing objectives such as highest level of customer satisfaction at lowest manufacturing cost and inventory. DBI for Manufacturing enables managers to evaluate different tactical assumptions and planning scenarios and answer strategic questions, such as:

- How do different plans balance inventory turns and on-time shipments?

- What organizations or departments will experience resource capacity problems?
- What is the projected cost breakdown in terms of purchase, production, and carrying costs?
- What revenue and margin will the manufacturing plan support?
- Which revenue may be at risk due to exceptions arising from planning constraints?

### **Track Product Gross Margin and Impact on Profitability**

DBI for Manufacturing provides analysis of product margin by looking at Fulfilled Value and Cost of Goods Sold directly from transactional systems so that managers can actively monitor, identify, and control the costs that impact profitability. It also tracks the revenue generated by product orders as they complete the order-to-fulfillment cycle. It provides insight into how manufacturing and supply chain operations are contributing to the in-flow of revenue to the organization. Trends in profitability and fulfillment performance are provided so that managers can easily stay abreast of their function's contribution over time.

### **Drill to Real-Time Details**

Oracle DBI gives managers a real-time view of the data by enabling them to seamlessly drill from the dashboards to business transaction data. For example, the manufacturing manager could drill on the Manufacturing Cost Variance in the dashboard to the Manufacturing Cost Job Detail report to the live view of the WIP Value Summary for the job in the application.

### **Simple Set-up**

DBI is both straightforward and simple to implement. DBI utilizes existing set-ups and terms that have been used in existing Oracle Applications. The result is a streamlined reporting application that can be used almost immediately to provide an enterprise's daily measurements.

### **Configurable and Extensible for your Industry**

Decision makers need information that is timely and relevant. With DBI, KPI's and reports can be renamed, hidden, or rearranged on the appropriate DBI Dashboard, tailoring DBI for the needs of your specific industry. DBI is also extensible, allowing you to create new KPIs and reports, based on both Oracle and non-Oracle data sources. New content added to DBI Dashboards will persist through version upgrades, for maximum ROI and reusability.

**KEY BENEFITS**

- Maximize throughput by maximizing resource utilization
- Control cost leading to maximization of profit

**RELATED PRODUCTS**

Part of Oracle Corporate Performance Management solutions, which includes:

- Activity-Based Management
- Business Intelligence Solution
- Daily Business Intelligence
- Demand Planning
- Enterprise Planning & Budgeting
- Financial Consolidation Hub
- Profitability Manager

**RELATED SERVICES**

The following services are available from Oracle Support Services:

- Update Subscription Services
- Product Support Services
- OnlineDBA
- Online DBA for Application

**Oracle E-Business Suite—The Complete Solution**

Oracle E-Business Suite enables companies to efficiently manage customer processes, manufacture products, ship orders, collect payments, and more—all from applications that are built on unified information architecture. This information architecture provides a single definition of your customers, suppliers, employees, and products—all important aspects of your business. Whether you implement one module or the entire Suite, Oracle E-Business Suite enables you to share unified information across the enterprise so you can make smarter decisions with better information.

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