

MANUFACTURING MANAGEMENT

To reduce costs through more efficient operation, iQuest can help you achieve greater profits with better planning and control. Integrated and ready to use, iQuest offers advanced tools, including MRP, scheduling, and shop floor control.



iQuest features a powerful bill of material engine, which provides the great flexibility to manage complex product configurations. It has tools that are helpful to the engineering, sales and accounting users.

Multiple Versions

For each assembly, iQuest allows you to have different bills of material for different reasons. You can tailor the product to the local market conditions. You may also have a version for design testing, and others for production.

Complete Product Costing

At each level of the assembly, iQuest rolls up the product cost which includes material, labor, and overhead (both material & labor). Labor cost includes fixed (e.g. setup) and variable steps. Besides the accounting cost (FIFO, LIFO, average, and standard), the cost roll-up is also available in other costs (e.g. replacement or future cost) to help the what-if analysis.

Buy/Make/Kit B.O.M

You can use the B.O.M. to estimate the costs, and outsource the production; design a standard product or make to order; or set up a B.O.M. for kit-on-the-fly. iQuest supports all these functions.

Engineering Changes

Changes in components can be easily scheduled with iQuest. The system will implement the changes for you upon the effective date.

Routing Step, Work Center

Both routing step and work center are optional setup to support labor cost tracking, production scheduling, and shop floor control. Companies not interested in routing can freely bypass this feature.

Outside Operation

iQuest B.O.M. incorporates outside processes, like heat treating, plating, or steam cleaning, so you have better control on both cost and time estimates.

WORK ORDER

iQuest helps you manage both stock and custom work orders effectively. For labor-intensive orders, you can monitor the production schedule and work status through the shop floor control features.

Custom or Stock Order

With the MRP option, iQuest generates automatic make-to-stock work orders for you. For custom orders, both automatic and manual options are available to create your special work orders. When the work is completed, the sales order is automatically released for shipment.

Order Changes

You can change the work orders without affecting the standard B.O.M., and vice versa. This flexibility is ideal for the same-as-except productions.

Instant Work Order

For quick production, or outsourced manufacturing, iQuest offers special feature to complete the work order in one easy step.

Outside Operation

Need to send materials for outside processing? iQuest tracks the items that you send out and add the processing costs to the finished product. You can also include these steps in your scheduling consideration.

Back Flush

Actual versus standard material and labor usage data is kept for multiple purposes. Inventory is properly back flushed. Product cost is rolled up with actual usage. Material history is updated to support future forecast and MRP. Production variance reports are available to aid your analysis.

Reject/Scrap

Production rejects can be put back to stock for rework or refurbishment. iQuest tracks the material and labor costs for the finished product and the reject automatically.

Production Schedule

iQuest will plan your work orders against the work center capacity. The master schedule gives you a bird's eye view so you can shuffle the work orders to achieve the best production plan.

Advanced Features

Special options are available to track serial number and lot control in work order. For users who like to visualize scheduling changes, advanced **graphical scheduler** will be a helpful option.