

## BILL OF MATERIALS

### BENEFITS

Bill of Materials delivers complete, consistent, and correct product information, enabling you to maximize production efficiency and cut inventory costs across the extended enterprise. By tightly integrating different types of bills and customized definitions into manufacturing operations, Bill of Materials helps improve performance, support time-to-market and time-to-volume objectives, and ensure that materials are where they should be, when they are needed.

### Reduce costs through better resource management

Bill of Materials enables more precise management of materials, components, and assemblies, including their costs, locations, and routing sequences. This provides much tighter control of finished goods. The results? Better control of the manufacturing process. Lower costs. Higher productivity. Greater profitability.

### Build better, more flexible bills of materials.

Create bills that meet the specific needs of your products—engineering bills, manufactured bills, configured bills, archived bills, even super bills that manage all options on the configurable products you produce.

### Delight your customers

Eliminate delays by providing bills with alternate components built-in to respond to potential shortages. Pass along savings derived from tighter control of costs and materials.

### Track with greater accuracy

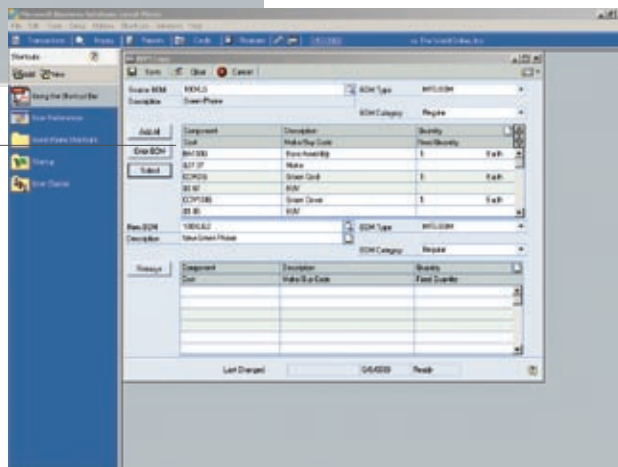
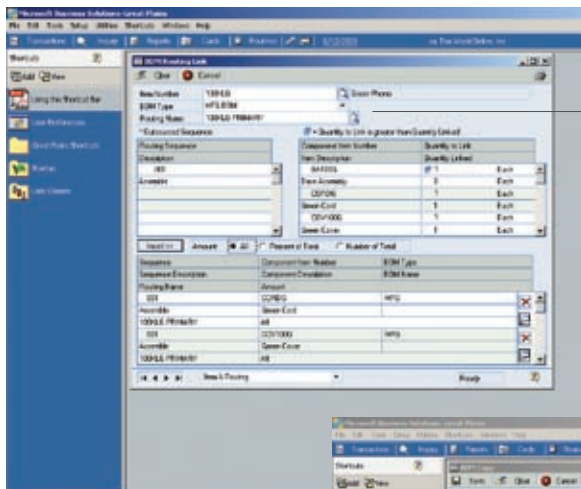
Maintain an active bill of materials for each item to track components currently in use and manage bills in production. Engineering bills make visible the effects of engineering change orders on costs and integrate easily with other applications. You can also maintain an unlimited number of archived bills, as well as create phantom bills.

### Improve production processes

Exert more control over manufacturing by precisely managing the details of product components. Getting a firm handle on parameters like start and end dates, lead times, and shrinkage factors can help drive down cycle times, increase throughput, and make you more competitive in accelerating markets.

Deliver materials where they are needed by linking components in BOM routings.

Respond quickly to new demand by copying and modifying existing bills to create new ones.





## MANUFACTURING BILL OF MATERIALS

### FEATURES LIST

#### Bill of Materials

##### Flexible Bill Definition

Define bills of materials according to specific needs. The super bill, used with the Sales Configurator, records all available feature/option combinations. Configured bills are saved for use in future sales. Engineering bills allow ‘what-if’ changes to be made and assessed without affecting the manufacturing bill. Archived bills provide detailed historical reference for planning and future product development. Phantom bills easily detail subassemblies produced, but not stocked, before use in other subassemblies or finished goods.

##### Detailed Graphic Support

Attach an unlimited number of drawings to bills to ease understanding of critical elements and build instructions.

##### Precise Points of Reference

Reference designators help eliminate confusion and reduce errors by recording component locations on finished goods.

##### Easy Subcomponent Identification

Where-used lookups simplify identification of subcomponent usage within other products.

##### Usage Assessment

Attain better understanding of materials utilization. Set subassemblies or raw materials to be backflushed—or record real-time usage during production. Assess genuine usage by applying scrap and shrinkage factors to components.

##### Rich Component Tracking Detail

Track component quantities per finished good unit, as well as a fixed quantity per manufacturing order.

##### Multiple Measurement Capability

Bill components may be entered in any unit of measure that exists on the components Unit of Measure schedule.

##### Designated Security Levels

Set up bill preferences to reflect the information you want available to specific users.

#### Item Engineering

##### Mission-Critical Information Management

Maintain precise management control of mission-critical information for key production parameters like effective dates for finished goods and components, revision levels, shrinkage factors, issue-from and issue-to sites, and make/buy status.

##### Comprehensive Tracking

Track shipping weights as well as units of measure.

##### Fulfillment Designation

Define production methods as “make-to-order” or “make-to-stock.”

##### Receipt of Goods Direction

Indicate whether and what quality control tests are required when items are received from outside vendors.