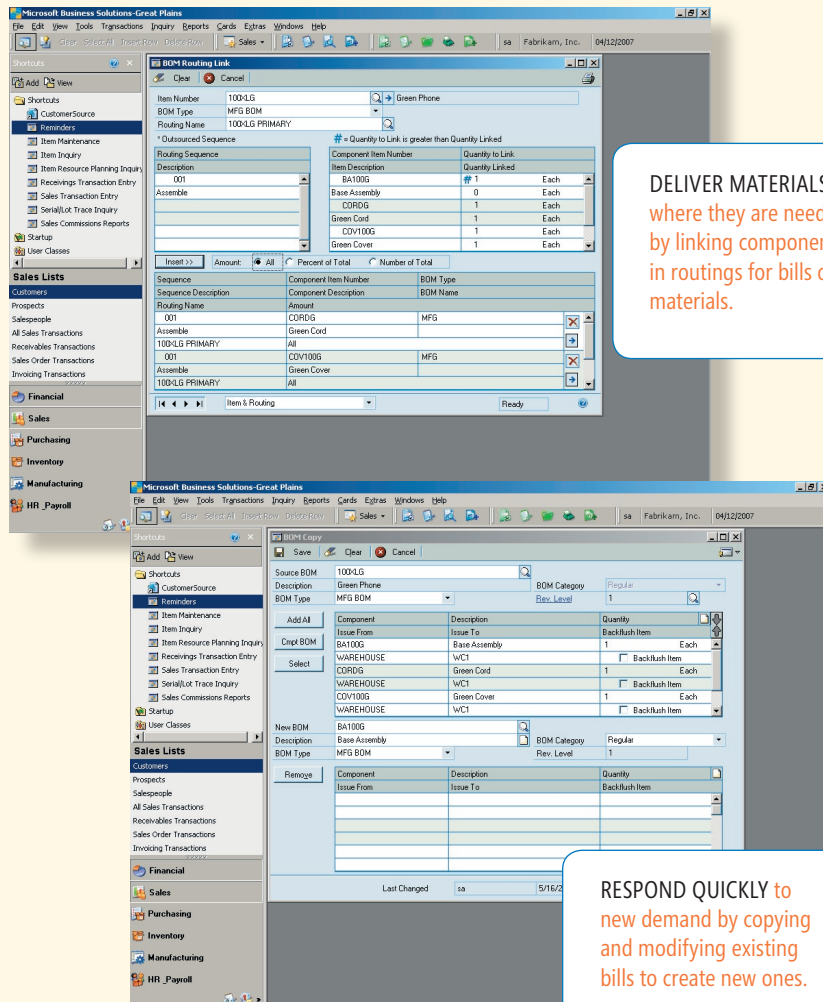## Manufacturing Bill of Materials

Bill of Materials delivers complete, consistent, and current 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.

DELIVER MATERIALS where they are needed by linking components in routings for bills of materials.

RESPOND QUICKLY to new demand by copying and modifying existing bills to create new ones.

Microsoft® Business Solutions

B E N E F I T S

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 material

Create different types of 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 for subassemblies that do not get stocked as an inventory item.

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.
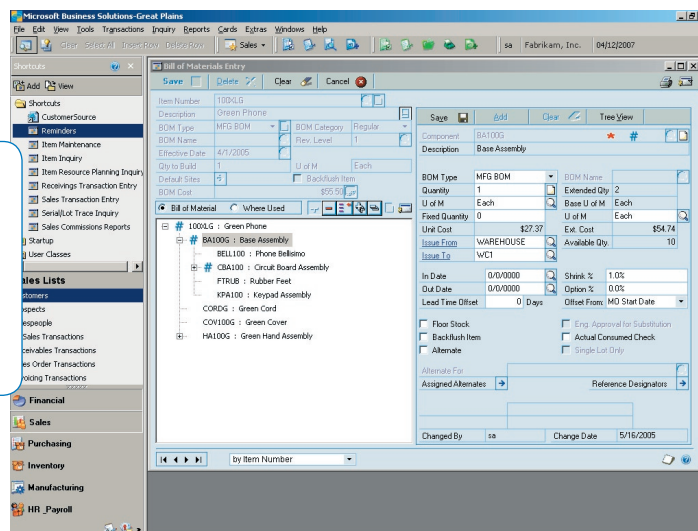
Manufacturing Bill of Materials

Graphical Bill of Materials

Work flexibly with manufacturing bills of material by using an intuitive, graphical bills of materials for entry and inquiry. By keeping bills of materials precise and up-to-date, and helping ensure materials are available when needed, you can improve inventory record accuracy and production process efficiency.

• Update entries, edit revision levels, and save revision histories.

• Modify existing bills of materials and change categories — for example, from Phantom to Regular — at any time.

• Trace components back to their parent items.

• Modify component attributes such as lead time offset, effective dates, and shrinkage factors.

• Implement changes quickly by adding, removing, or editing a component on multiple bills of materials in one step.

GAIN FLEXIBLE CONTROL over inventory and production processes with a "tree-view" Graphical Bill of Materials for entry and inquiry.

Manufacturing Bill of Materials

Manufacturing Bill of Materials	
Graphical Bill of Materials	Access an easy-to-use interface that makes it easy to complete data entry, edit revision levels, save revision histories, and change categories—for example from Phantom to Regular—at anytime.
Reference Indicators	Help ensure error-free production with reference designators that indicate where a component will be used on a finished good.
Mass Update of Bills of Material	Implement changes quickly by adding, removing, or editing a component on multiple bills of material in one step.
Easy Access to Engineering	Attach an unlimited number of drawings to bills to ease understanding of critical elements and build instructions.
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.

Manufacturing Bill of Materials

Microsoft ®
Business
Solutions

FEATURES OVERVIEW

	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."
Lot Management	Enter the number of days from purchase or manufacture to when the items in the lot are no longer suitable for use.