

## Bills of Material

One of the most important systems required within a Manufacturing Company is the Bill of Material. This system is critical because it stores parent/component relationships in both a single level Bill of Material and a multi-level Bill of Material configuration. These Bills of Material will identify where individual Items are used within a Product Structure or configuration. The eMIS Bill of Material processor can easily add, change, or delete Items and their Descriptions, Quantities, and Effectivity Dates. By maintaining an accurate, current, and completely Costed Bill of Material, the system insures that you know what your products contain, how they are built, and exactly what they cost at all times. The ultimate flexibility for costs and tracking is provided within the system through the use of multiple Bill of Material Types and four different methods of Costing.

ESI/  
Technologies

### *Features:*

- A complete cost roll-up system calculates the latest component costs and rolls these costs up to the parent level. Cost roll-ups can be performed for one Item, a list of Items, or all Items.
- Effectivity Dates allow changes to occur automatically on a desired date.
- Allows a Bill of Material for phantom assemblies.
- Allows quick creation logic in establishing new Bills of Material.
- Permits an unlimited number of levels within a Bill of Material.
- Information can be readily available in both screen and report formats.
- Allows multiple types of Bills of Material.
- Provides flexibility in the relief of Materials during the Manufacturing process.
- Check for Material availability through Pre-Kit analysis.
- Provides for Explosion Reports and Where Used Reports for any Item or any Bill of Material.
- Permits Bills of Material that are specific for specific Warehouses (or locations) or general for all Warehouses (or locations).
- Allows import of Bill of Material information from AutoCAD.

### *Benefits:*

- Eliminates the guesswork in pricing or estimating because you know exactly what it costs to build your products.
- Engineering Change Orders can be prepared and approved in advance to prevent bottlenecks. Engineering Change Orders will not be prematurely in effect because new required Items have not yet been received.
- Costs, as well as Engineering concepts, can be expressed without changing Shop Floor paperwork or setting up unwanted or unnecessary subassemblies.
- New Bills of Material can be set-up easily by taking advantage of similar Bills of Material that already exist in the system.
- The user's Product Structure can be expressed in the minutest detail.
- Information is both timely and interactively available.
- This capability allows tracking of Items in different stages such as Prototype, Engineering, and Production.
- The Bill of Material provides for different methods and timing of Material usage in Manufacturing. This keeps the true Inventory picture in sync with the real Material flow on the Shop Floor.
- Verifying Material availability before committing capacity can help maximize Production resources.
- User can easily determine where an Item is being used within the various product structures of the business.
- System flexibility to accommodate unusual situations.
- Simplifies data entry process for Bills of Material.