

# Bill of Materials

Sold, implemented, and supported by  
**Synergy**  
BUSINESS SOLUTIONS  
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**Microsoft**  
GOLD CERTIFIED  
Partner  
Microsoft Business Solutions  
Data Management Solutions

## Microsoft Dynamics™ SL

### Benefits

- **Manage product structures**  
View product structures using a familiar “explorer” type tool, navigating up and down the tree that represents the parent/child relationships between parts. Identify items to be used in the manufacturing process and what quantities are required, adjusted by designated scrap factors.
- **Define production routings**  
Define and document how the parts to be used in the manufacturing process are to be assembled and processed. For each bill of material, you may define a corresponding routing — from simple, using minimal labor information, to complex, focusing on move and queue time.
- **Roll up standard costs**  
Build on product structures and routings to help you roll up standard costs, whether you are valuing your inventory at standard cost, or using one of the actual costing methods supported by Microsoft Dynamics SL Inventory. The robust update and rollup cost tools will make your job easier.
- **Execute plans flawlessly**  
Use your pre-established multi-level bill of material to relieve inventory for all components and increment inventory for final assembly using the rolled-up cost. Flexible production entry helps you to easily execute your manufacturing plans.
- **Monitor inventory**  
Using back flushing inventory deductions, production entry can explode subassemblies into component requirements, helping ensure that you keep accurate inventory levels for component, subassembly, and finished goods items.

Define, analyze, and manage your company’s products with Microsoft Dynamics SL Bill of Materials. Comprehensive features in three important manufacturing categories — bill of materials, production routings, and product costing — provide support for costing and production of manufactured and assembled goods.

**View**  
costs, change orders, inventory information, and site information for any bill of materials component.

The screenshot shows two overlapping windows from Microsoft Dynamics SL. The top window is titled "Bill of Material Structure (11.320.00)". It displays a tree view on the left with components FP0001, FN0001, KB0002, and KB0001 under the parent FP0002. The main area shows details for BOM ID FP0002, including a list of "Current Kit Costs (Indented)" with values of 0.000 for Direct Material, Direct Labor, Other Direct, Labor Fixed Overhead, Labor Variable Overhead, Machine Fixed Overhead, Machine Variable Overhead, Material Fixed Overhead, and Material Variable Overhead. The bottom window is titled "Mass Component Maintenance (11.510.00)". It shows fields for "Original Component Selection" (Component: FP-0001, Site ID: LA, Status: All Statuses) and "New Component Selection" (Component: , Site ID: , Status: All Statuses). Below these are "Additional Fields" for Start Date, Stop Date, Component Qty (0.000), and Scrap % (0.000). A table titled "Details (F4 for grid/form view)" shows a mapping of components:

	Original Component ID	Original Site ID	Original Status	New Component ID *	New Site ID	BOM ID	BOM Site ID	BOM Status
1	FP0001	LA	Active	FP0005	LA	FP0002	LA	Active
2								
3								
4								
5								
6								
7								
8								
9								

**Manage**  
*bulk deletion, replacement, insertion, or modification of a component across multiple bills of material.*

## FEATURES

## BENEFITS

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### Powerful Product Structuring

Define product structures on a multi-level basis, along with the instructions for how to build the manufactured item. Use these definitions to establish and manage standard costs.

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### Multi-Level Flexibility

"Nest" single-level bills in any order to define a multi-level bill, thereby facilitating the multi-level manufacturing, documentation, and cost rollup processes.

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### Robust Inventory Control

Maintain a unique bill of material for each site defined in your inventory system. The same graphical representation is used to find where a particular part is used throughout your Microsoft Dynamics SL Bill of Materials definitions.

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### Integrated Work Order Support

Build the products you have engineered using work orders to track work-in-process, including product structures and production routings.

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### Simplified Kitting and Assembly

Robust product definition — including parent/child relationships, Product routing, and full cost roll-up — enable easy management of production and assembly requirements.

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### Cost Control and Planning

Bill of Materials supports multiple costing methods while providing roll-up for accurately costing production plans. Robust overhead allocations and variance distributions provide cost visibility in the planning and production of finished goods.

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### Adaptable Planning

Gain the flexibility to build as planned or change the plan on-the-fly at a site level. Bill of Materials allows you to adapt business plans to meet changing production, material, and labor requirements.

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### In-Depth Reporting

Sample Reports include a Bill of Material List, Component Where-Used Lists, Standard Cost Change Preview, and many others — so you have access to robust information at your fingertips.

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For more information about Microsoft Dynamics™ SL, visit: [www.synergybusiness.com](http://www.synergybusiness.com) or call 800.481.8590

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