



## Bill of Materials

### Objective

To define the relationship between a manufactured item, its co- and by-product, its component materials as well as the sequence of operations required to produce the item, facilitating an accurate expected cost against which to track actual production costs

### The Value of Bill of Materials

- Supports up to 15 levels
- Intuitive tree-view display with operational Gantt Charts
- Analyze BOM and 'what-if' costs
- Compare BOM costs to current inventory costs
- Identify material shortages with multi-level trial kitting
- Support planning bills, phantom parts and sub-contract operations
- Optional components supported for sales of kits
- Track effectivity dates of components
- Define scrap factors for more accurate planning
- Plan for co- and by-products, apportioning costs accurately

### Matching Bill of Materials to your business

- Multiple recovery rates per cost center, work center and employee
- Track time and capacity in different units of measure
- Define component requirements up to six decimal places
- Document routing instructions and component notes
- Link pictures and videos to Bill of Materials
- Define routes per location for accurate costing and planning
- Validate structures and operations and provide notification of potential problems

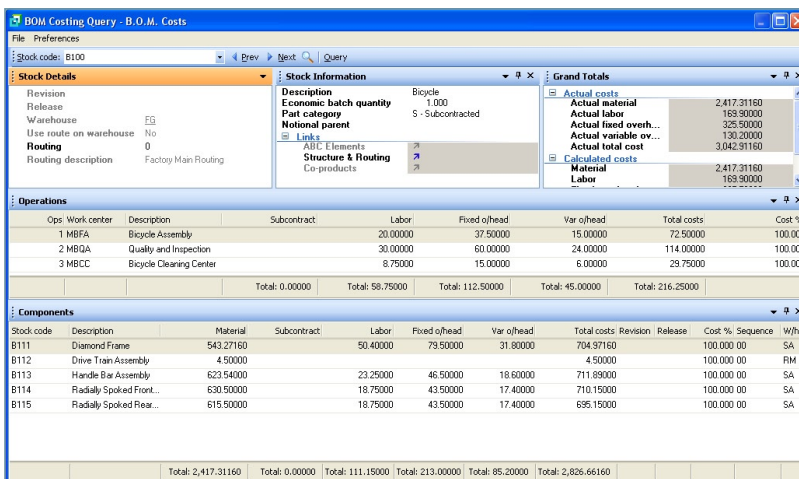
- Calculate BOM costs per warehouse
- Calculate manufacturing lead times
- 'Where-Used' query with 'Replace Where-Used' function
- Import structure and routings from third-party systems (e.g. CAD)
- Calculate dynamic-elapsed time and capacity required
- Transfer rolled-up BOM costs to unit cost of item
- Indicate move time between work centers
- Capacity calendar per work center and productive units
- Define components as quantity per, % of parent or specific quantity regardless of batch
- Indicate scrap percentage and/or quantity with optional progressive scrap

### Integration

- Integrates with the following modules:
  - General Ledger
  - Inventory (Essential)
  - Sales Orders
  - Product Configurator
  - Quotations
  - Requirements Planning
  - Work in Progress

### Audit trails and reporting

- User-defined selection criteria for flexible reporting
- Detailed 'where-used' reporting
- Extensive BOM costing reports
- Reports complete routing information
- Trial kitting list highlights quantity requirements and shortages
- Listings of manufactured parts with and without a structure attached
- Various BOM profiles provided



Ops	Work center	Description	Subcontract	Labor	Fixed overhead	Var of/overhead	Total costs	Revision	Release	Cost %	Sequence	W/H
1	MBFA	Bicycle Assembly		20.00000	37.50000	15.00000	72.50000			100.0000	00	SA
2	MBQA	Quality and Inspection		30.00000	60.00000	24.00000	114.00000			100.0000	00	SA
3	MBCC	Bicycle Clearing Center		8.75000	15.00000	6.00000	29.75000			100.0000	00	SA
			Total: 0.00000	Total: 58.75000	Total: 112.50000	Total: 45.00000	Total: 216.25000					

Stock code	Description	Material	Subcontract	Labor	Fixed overhead	Var of/overhead	Total costs	Revision	Release	Cost %	Sequence	W/H
B111	Diamond Frame	543.27160		50.40000	79.50000	31.80000	704.97160			100.0000	00	SA
B112	Drive Train Assembly	4.50000					4.50000			100.0000	00	RM
B113	Handle Bar Assembly	623.54000		23.25000	46.50000	18.60000	711.89000			100.0000	00	SA
B114	Radially Spoked Front...	630.50000		18.75000	43.50000	17.40000	710.15000			100.0000	00	SA
B115	Radially Spoked Rear...	615.90000		18.75000	43.50000	17.40000	695.15000			100.0000	00	SA
		Total: 2,417.31160	Total: 0.00000	Total: 111.15000	Total: 213.00000	Total: 85.20000	Total: 2,826.66160					