



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

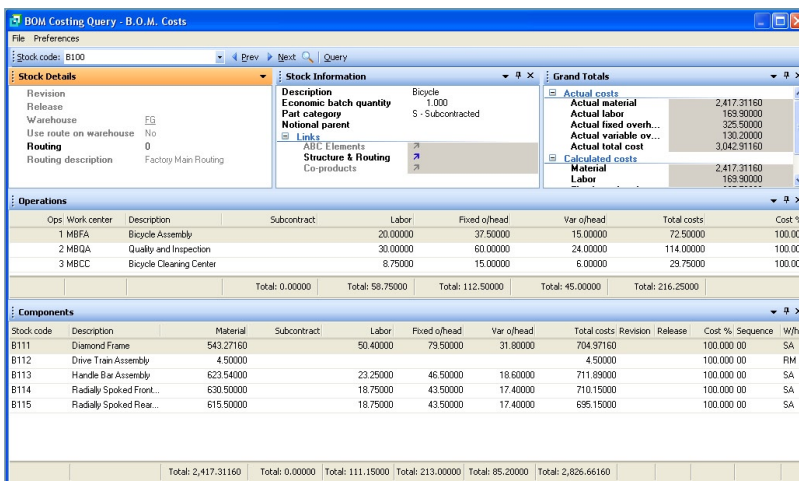
- Calculate BOM costs per warehouse
- Calculate manufacturing lead times
- 'Where-Used' query with 'Replace Where-Used' function
- Import structure and routings from third-party systems (e.g. CAD)
- Calculate dynamic-elapsed time and capacity required
- Transfer rolled-up BOM costs to unit cost of item
- 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



BOM Costing Query - B.O.M. Costs

Stock code: B100

Stock Details

Revision: [blank]
Release: [blank]
Warehouse: [blank]
Use route on warehouse: No
Routing: 0
Routing description: Factory Main Routing

Stock Information

Description: Bicycle
Economic batch quantity: 1,000
Part category: S - Subcontracted
Notional parent: [blank]
Links: [blank]
ABC Elements: [blank]
Structure & Routing: [blank]
Co-products: [blank]

Grand Totals

Actual costs	2,417,311.60
Actual material	163,900.00
Actual labor	325,500.00
Actual fixed overh...	130,200.00
Actual variable ov...	3,042,911.60
Actual total cost	2,417,311.60
Calculated costs	163,900.00
Material	
Labor	

Operations

Ops	Work center	Description	Subcontract	Labor	Fixed overhead	Var of/overhead	Total costs	Cost %
1	MBFA	Bicycle Assembly		20,000.00	37,500.00	15,000.00	72,500.00	100.000
2	MBQA	Quality and Inspection		30,000.00	60,000.00	24,000.00	114,000.00	100.000
3	MBCC	Bicycle Clearing Center		8,750.00	15,000.00	6,000.00	29,750.00	100.000
			Total: 0.00000	Total: 58,750.00	Total: 112,500.00	Total: 45,000.00	Total: 216,250.00	

Components

Stock code	Description	Material	Subcontract	Labor	Fixed overhead	Var of/overhead	Total costs	Revision	Release	Cost %	Sequence	W/H
B111	Diamond Frame	543,271.60		50,400.00	79,500.00	31,800.00	704,971.60			100.000	00	SA
B112	Drive Train Assembly	4,500.00					4,500.00			100.000	00	RM
B113	Handle Bar Assembly	623,540.00		23,250.00	46,500.00	18,600.00	711,890.00			100.000	00	SA
B114	Radially Spoked Front...	630,500.00		18,750.00	43,500.00	17,400.00	710,150.00			100.000	00	SA
B115	Radially Spoked Rear...	615,500.00		18,750.00	43,500.00	17,400.00	695,150.00			100.000	00	SA
		Total: 2,417,311.60	Total: 0.00000	Total: 111,150.00	Total: 213,000.00	Total: 85,200.00	Total: 2,626,661.60					