

Bill of Materials

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 SYSPRO 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 SYSPRO to Your Business

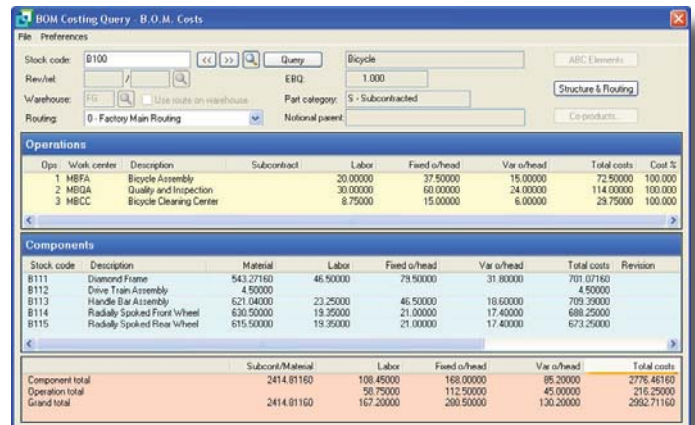
- Multiple recovery rates per cost center, work center and employee
- Track time and capacity in different units of measure
- Define component requirements up to six decimal places
- Document routing instructions and component notes
- Link pictures and videos to Bill of Materials
- Multiple alternate routes
- 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

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

Integration

- Integrates with the Inventory Control, Product Configurator, Work in Progress, Sales Orders, Requirements Planning, Quotations, General Ledger and Planning & Scheduling
- Activity Based Costing accumulates and applies different cost elements at the time they are accrued
- Email reports with the Office Automation module
- Bill of Materials requires the Inventory Control module



BOM Costing Query - B.O.M. Costs

File Preferences

Stock code: 0100 Query: Bicycle ABC Events

Rev/rel: / EIQ: 1,000 Structure & Flowing

Warehouse: FR Part category: S - Subcontracted Co-products:

Routing: 0 - Factory Main Routing National parent:

Operations								
Ops	Work center	Description	Subcontract	Labor	Fixed o/head	Var o/head	Total costs	Cost %
1	MBFA	Bicycle Assembly		20,000.00	37,500.00	15,000.00	72,500.00	100.00%
2	MBGA	Quality and Inspection		30,000.00	60,000.00	24,000.00	114,000.00	100.00%
3	MBCC	Bicycle Clearing Center		8,750.00	15,000.00	6,000.00	29,750.00	100.00%

Components							
Stock code	Description	Material	Labor	Fixed o/head	Var o/head	Total costs	Revision
B111	Diamond Frame	543.27160	46,500.00	79,500.00	31,800.00	701,071.60	
B112	Drive Train Assembly	4.50000				4,500.00	
B113	Handle Bar Assembly	621.04000	23,250.00	45,500.00	19,600.00	709,390.00	
B114	Radially Spoked Front Wheel	630.50000	19,350.00	21,000.00	17,400.00	688,250.00	
B115	Radially Spoked Rear Wheel	615.50000	19,350.00	21,000.00	17,400.00	673,250.00	

	Subcontract	Material	Labor	Fixed o/head	Var o/head	Total costs
Component total		2414.81160	108,450.00	168,000.00	85,200.00	2776,461.60
Operation total			58,750.00	112,500.00	45,000.00	216,250.00
Grand total		2414.81160	167,200.00	280,500.00	130,200.00	2992,711.60