

# 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

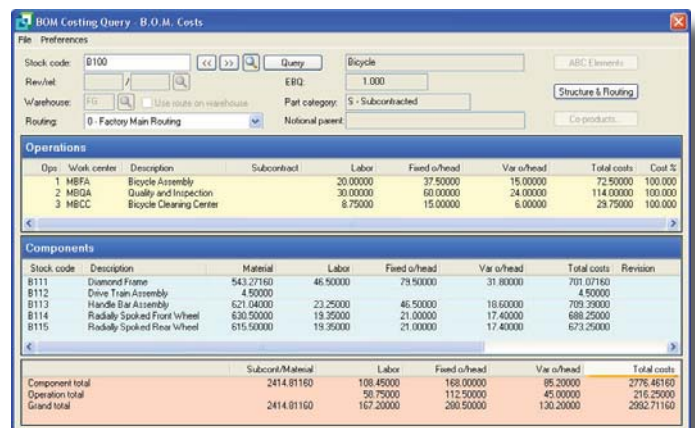
- Multiple recovery rates per cost center, work center and employee
- Track time and capacity in different units of measure
- Define component requirements up to six decimal places
- Document routing instructions and component notes
- Link pictures and videos to Bill of Materials
- Multiple alternate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



Ops	Work center	Description	Subcontract	Labor	Fixed o/head	Var o/head	Total costs	Cost %
1	MBFA	Bicycle Assembly		20.00000	37.50000	15.00000	72.50000	100.000
2	MBGA	Quality and Inspection		30.00000	60.00000	24.00000	114.00000	100.000
3	MBCC	Bicycle Clearing Center		8.75000	15.00000	6.00000	29.75000	100.000

Stock code	Description	Material	Labor	Fixed o/head	Var o/head	Total costs	Revision
B111	Diamond Frame	543.27160	46.50000	79.50000	31.80000	701.07160	
B112	Drive Train Assembly	4.50000				4.50000	
B113	Handle Bar Assembly	621.04000	23.25000	45.50000	19.60000	709.39000	
B114	Radially Spoked Front Wheel	630.50000	19.35000	21.00000	17.40000	688.25000	
B115	Radially Spoked Rear Wheel	615.50000	19.95000	21.00000	17.40000	673.25000	

	Subcontract	Material	Labor	Fixed o/head	Var o/head	Total costs
Component total	2414.81160		108.45000	168.00000	85.20000	2776.46160
Operation total			58.75000	112.50000	45.00000	216.25000
Grand total	2414.81160		167.20000	280.50000	130.20000	2992.71160