

## Bill of Materials

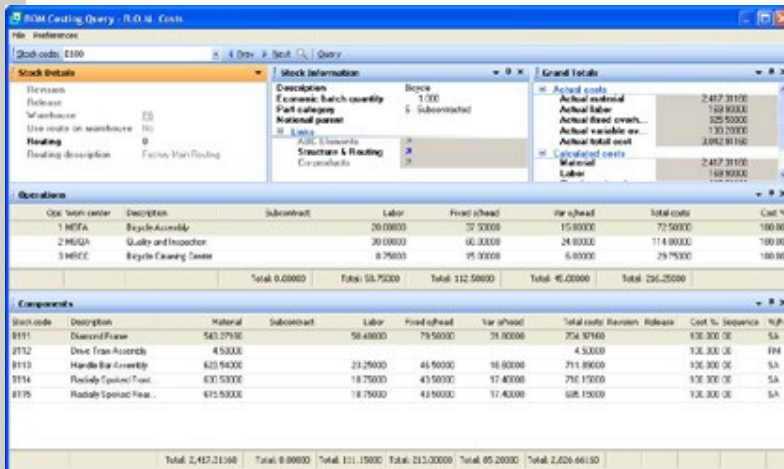
SYSPRO Bill of Materials facilitates an accurate expected cost against which to track actual production costs. The complete bill forms the basis for material and capacity planning, shop floor control and costing. You can create and maintain a model of your manufactured or assembled products as well as generate what-if costing scenarios.

### 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 6 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



The screenshot shows a software interface for BOM Costing Query. It displays a tree view of a Bill of Materials (BOM) for a product. The interface includes sections for Stock Details, Stock Information, and Grand Totals. The Grand Totals section shows a total cost of 2,417,313.00. Below this, there are tables for Operations and Components, detailing labor, fixed overhead, and variable overhead costs for various parts and sub-assemblies.

Op. Work center	Description	Subcontract	Labor	Fixed overhead	Var overhead	Total costs	Release	Cost %	Sequence	WIP
1 MFA	Bicycle Assembly		20 000.00	57 500.00	15 000.00	72 500.00		100.00%		
2 MGA	Quality and Inspector		20 000.00	50 000.00	24 000.00	114 000.00		100.00%		
3 MGC	Bicycle Cranking Center		0 750.00	15 000.00	0 000.00	15 750.00		100.00%		
Total			0 000.00	122 500.00	39 000.00	161 500.00				

Stock code	Description	Material	Subcontract	Labor	Fixed overhead	Var overhead	Total costs	Release	Cost %	Sequence	WIP
0101	Downsizer Frame	543 270.00		50 000.00	75 000.00	24 000.00	754 270.00		100.00%	01	SA
0102	Drive Train Assembly	4 500.00		4 500.00	4 500.00	13 500.00	13 500.00		100.00%	02	SA
0103	Handle Bar Assembly	625 540.00		23 250.00	46 500.00	10 000.00	715 290.00		100.00%	03	SA
0104	Handlebar Spacers Front	430 500.00		18 750.00	43 500.00	17 000.00	510 750.00		100.00%	04	SA
0105	Handlebar Spacers Rear	675 500.00		18 750.00	43 500.00	17 000.00	755 750.00		100.00%	05	SA
Total			2,417,313.00	161,500.00	211,500.00	65,200.00	2,855,513.00				

### Integration

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