Bill of Materials

SOLUTION FACTSHEET

SYSPRO Bill of Material (BOM) is designed to ensure your organization has complete control over the product structure. This module ensures that engineering, production, purchasing and order processing are utilizing the same information. The Bill of Materials is defined by the manufacturing process and includes: work centers, labor, tools, dies, inserts, fixtures, raw materials, packaging, scrap rates, setup times, yields and equipment. The Bill of Material allows you to facilitate accurate expected costs against which actual production costs can be tracked. What-if costing facilities are provided, as well as the facility to calculate the cumulative and manufacturing lead times of an item and to update the relevant fields against the stock item.

The complete bill forms the foundation for material and capacity planning, shop floor control and costing. The Bill of Materials system enables you to construct quantity or percentage relationships between assemblies (final product) subassemblies (bulk batches) and components (raw materials) using up to 15 levels and you can assign each component to a selected operation in the parent routing. You can model the routing (i.e. the relationship between work centers and the time taken by the various elements of capacity usage) of the product to accommodate varying size batches, milestone operations, progressive scrap and dynamic elapsed times. The routing can also include information on tooling, operator skill levels, operation instructions, testing requirements, etc.

The Benefits of Bill of Materials

- Supports up to 15 levels
- Multiple recovery rates percost center, work center and employee
- Multiple routes for lead time, cost and contingency modeling
- Calculation of manufacturing andcumulative lead times
- Calculation of dynamic elapsed time and capacity required from elements of operation time
- Unit, rate and block runtime
- Capacity unit of measure conversion factor for capacity units other than time
- Capacity calendar per work center and productive unit
- Material and operation scrap
- Percentage and planning bills, phantom parts, and sub-contract operations
- Optional components for sales of kits
- Co- and by-products
- Import functions for integration to third-party programs such as CAD

Product Version:

SYSPRO 8

Sectors:

Manufacturing

Industries:

- Food and Beverage
- Fabricated Metals
- Industrial Equipment and Machinery
- Automotive
- Electronics
- Packaging
- Plastics and Rubber

Technical Requirements:

- Windows 10+
- Internet Explorer 10+
- Or other modern browsers

Related Modules:

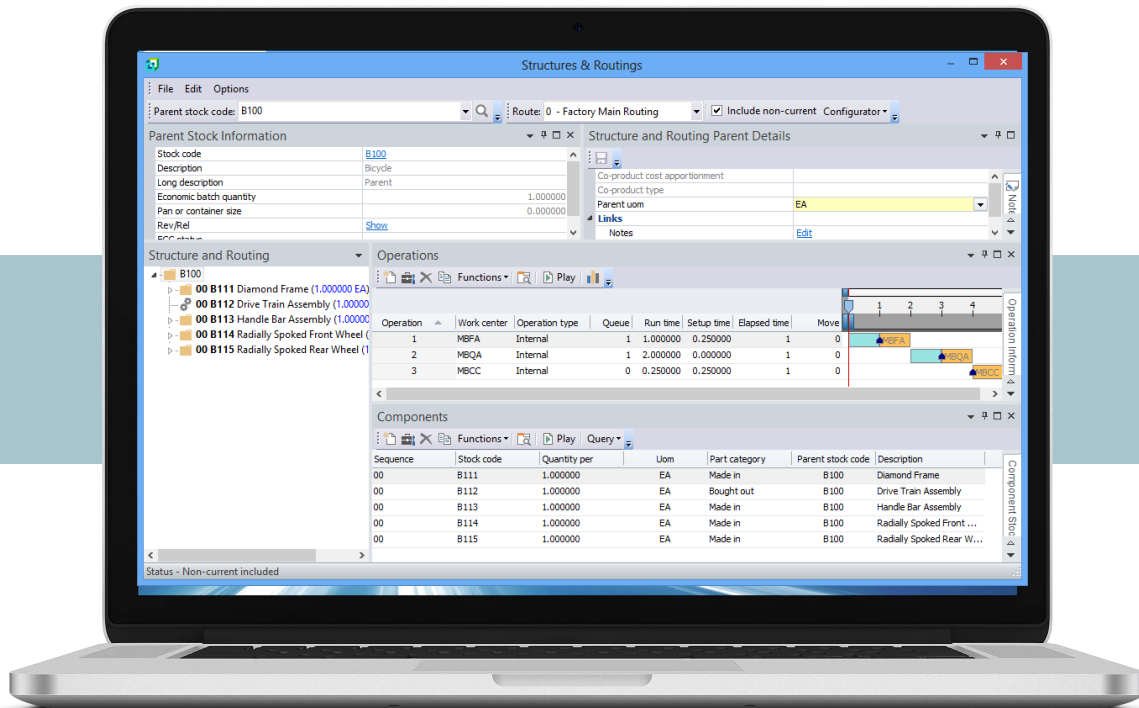- Quotes and Estimates

Bill of Materials Features

- Define component relationships as quantity per, % of parent, or specific quantity, regardless of batch
- Facility to define restrictions by user to either deny access or limit access to the Bill of Material if engineering change control is not utilized
- Define and process parent and component quantities in a unit of measure other than stocking

Various types of bills can be added:

- Planning billnPercentage billnSingle Level bill (kits)
- Phantom part (part of a BOM for grouping purposes)
- Notional part (part of a BOM for Co-Products)
- Made-in bill

For more information related to SYSPRO's Bill of Material offering please also refer to the following:

- SYSPRO Engineering Change Control (ECC) - enables you to control the design and release process of your products. It enforces discipline and management control over modifi cations to bills of materials and shop floor routings.
- SYSPRO Activity Based Costing (ABC) - enables you to more accurately apportion overhead costs to specific products, the aim being to associate elements of overhead cost to those products that actually cause the cost.

Contact Us

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