



bill of materials



Introduction ◆ The Sovman Bill of Materials (BOM) module was developed by Economic Data Services and is completely compatible with, and fully integrated to, other Sage Line 100 modules.

The module integrates with the Line 100 stock control and nominal ledger modules and the Sovman works orders, materials planning and capacity planning modules.

The module provides all the functions to maintain details of Bills of Materials (BOMs) i.e. the components or raw materials that comprise a complete assembly or product

The Bill of Materials consists of a list of components and sub-assemblies that comprise a product. Each sub-assembly can be further broken down through its own BOM. The BOM is therefore multi-level, allowing an infinite number of levels.

Each assembly and component must already exist on the Sage Line 100 stock control file. The BOM module therefore requires the Sage Line 100 stock control module to operate.

- Features** ◆
- ◆ A verification function ensures that BOMs may not be utilised until verified by an engineer.
 - ◆ Effectivity dates control engineering changes.
 - ◆ Unlimited lines of comments or text may be added for each BOM and for each component within the BOM. Standard phrases may be stored in library text.
 - ◆ These may be used for specifications and manufacturing instructions.
 - ◆ Using a mass replace function, you can substitute one component for another throughout all Bills of Materials. You can also delete one component from all BOMs.
 - ◆ The duplicate function allows you to copy a complete BOM to facilitate creation of similar BOMs.
 - ◆ Comprehensive enquiry and reporting functions provide explosion and where-used listings for any BOM or component. These may be produced for a single level or indented or as tree diagrams.
 - ◆ Free text items or non stock items may also be added to a BOM.
 - ◆ The BOM supports full factoring at both assembly and component level, ie quantities-per may be expressed in any unit and will be converted to the stocked-in unit automatically.
 - ◆ Drawing register with links to drawing attachments. Version or change history.



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- ◆ Variable items may be specified within a BOM. The quantity for these variables is treated as an average quantity required for costing and planning purposes. The actual quantity required may be entered when a works order is released. These may be used for options / features within a product.
- ◆ Stock items may be created “on the fly” when creating BOMs.
- ◆ The BOM uses multi-depots and locations through the Sovman works order module.
- ◆ Full BOM costing includes material, labour, setup and overhead costs. Material may be costed at standard cost, average or latest price. Labour may be calculated as a labour rate (specified at product group) times a labour time or analysed by operations and work centres using the Sovman capacity planning module. Overhead may be calculated as a percentage of labour. The costing is fully integrated with Sage Line 100 stock control and nominal ledger.

Features

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| ◆ Fully integrated with Sage Line 100 modules | ◆ Extensive comments/narrative |
| ◆ Unlimited number of levels | ◆ Multi-depots/locations through works orders |
| ◆ Verification and effectivity dates control engineering changes | ◆ Drawing register |
| ◆ Factoring supported | ◆ Free text items |
| ◆ Explosion/implosion enquiry and reports, indented if required | ◆ Stock records created within the BOM |
| | ◆ Variable quantity items within BOM |