

# Bill of Materials

Opera 3 Bill of Materials has an intuitive interface, so whether it's a simple or complex assembly structure, it can be quickly and easily defined from stock components. Raw materials, labour and description only items, plus any specialist documentation such as technical drawings, can also be attached to each structure.

## Take control of manufacturing requirements

Opera 3 Bill of Materials takes full control of manufacturing requirements. Before starting the manufacturing process, a trial build can be performed. This calculates whether there are enough stock components to complete the required quantity of the final assembly, and identifies any shortfalls. It also caters for the substitution of components on a works order and can adjust the quantity to build accordingly.

As the manufacturing process begins with the works order, the stock can be automatically allocated and issued and, when the works order is completed, the finished assembly can be updated with the build quantity. Alternatively, you can choose to operate these processes separately. The Bill of Materials kitting function gives further flexibility by enabling works orders to be raised and receive the build quantity of the finished assembly into stock in a single process.

## Reporting and enquiring facilities

Opera 3 Bill of Materials provides fast and accurate information. Locating a particular batch/serial item used on a works order is easily achieved using the Traceable View function. In addition, there are several reports you can use to get a full picture of the status of your manufacturing processes, including:

- **Assembly structure**, which includes code, description, whether it is a 'Kitting' assembly, lead time, yield quantity, the quantity being assembled and more
- **Where Used On**, which lists the components with the assemblies on which they are used
- **Assembly Cost**, which displays the stock cost and calculated assembly cost for materials and labour
- **Component Work In Progress**, which displays the components issued to works orders
- **Assembly Work In Progress**, which lists the assemblies in work in progress
- **Works Orders**, which displays details of works orders for a range of assemblies
- **Works Order Schedule**, which displays a works order schedule to help you plan your manufacturing and production cycles
- **Component Breakdown List**, which displays the material requirements list for selected assemblies

- Controls assembly structures with costs broken down into raw materials and labour items
- Assembly structures can be temporarily changed to meet the specific needs of a customer
- Caters for phantom sub-assemblies
- Automatic Works Order creation based on sales orders or stock levels
- Create Works Orders which can be printed and used as a picking list
- Batch Works Order progression
- Works Order Enquiry
- Kitting
- Monitors and reports on work in progress
- Traceability at sub-assembly and component level
- Update assembly costs when component costs change
- Links to Nominal Ledger, SOP, Stock Control and Costing