BOM   Intech's Manufacturing System

Overview

Intech has developed the BILL OF MATERIALS and MANUFACTURING system specifically to suit the needs of most general manufacturing environments which operates on either a batch or continuous basis.

Forward planning features make it particularly well suited to businesses operating with J.I.T. principles. It holds BOM structures (on a multi-level basis if required) and caters for manufacturing operations, sub-assemblies, raw material and labour resources as well as product assemblies.

The system integrates with Intech's STOCK, FABRICS, LOANS and DEBTORS systems. Component stock records are maintained within the system. Finished goods records are maintained within Intech's STOCK system.

The BOM system maintains orders, receipts and stock-on-hand details for raw materials. There is a stock-take facility and stock valuation reports are available. Production requirements can be calculated by the system and reporting on on-hand, on-order and committed and free stock can then be obtained.

Production can be broken down into production periods. Each BOM can be comprised of up to 999 items per parent. There are up to 19 levels available. The system will generate Production Orders and these may be optionally be broken down into a series of bundles. Scheduling and planning facilities are available.

Production tracking of either Production Orders or Bundles is available. Station barcode scan facilities are generally employed for this purpose. Work-in-progress valuation reports are available based on work-order status. Cost sheets can be produced and updated as component prices change.

Finished goods update stock-on-hand figures and costs in the STOCK system. The system has the ability to retain history down to a Production Order level. Costing can be based on standard, current, pending or average costs.

Features of the System

Bill of Materials: These are comprised of multiple items which can be held over multiple levels.

Raw Materials/Stock: Raw material stock is comprehensively maintained – including stock-take facilities.

Orders on Suppliers: Supplier Orders can be printed via the system, with reporting available on undelivered orders.

Raw Materials Requirements: The system is able to calculate present and future raw materials stock requirements. Reports can be used as a planning guide for purchasing.

Production Orders: The system will print Production Orders and these may be automatically broken down into bundles if required.

Production Tracking: Production Orders/bundles can be tracked as they change status and progress through the manufacturing cycle.

Valuation Reporting: Work in Progress valuation reports are available. These reflect the production status of individual orders.

Efficiency Reporting: Work in Progress reporting can take into account actual costs incurred and usages per Production Order.

Product Labelling: The system can automatically generate labels for attachment to finished goods based on completed Production Orders.

Reports Available

Costing Sheets: The B.O.M. requirements for each item are extended by the selected costing method. Overhead percentages can be applied and a total cost calculated.

Work In Progress: This summary listing current Work Orders/Bundles in production is available by status.

Manufacturing Costs: A cost summary per Production Order listing actual production based on usage can be printed.

Production Schedules: A summary of current Production Orders is available by work centre.

Production Work Sheets: These detail the resources required for Production Orders.

Product Labels: Adhesive labels may be optionally printed for attachment to finished products. These may incorporate barcodes.

Standard Costs: This report summarises the standard costs of Production Orders broken down into materials, labour and overhead. These costs may be for a day, week or month.

Supplier Orders: Orders on Suppliers for raw materials can be printed.

Outstanding Orders: Summaries of outstanding Supplier Orders are available.

Raw Material Receipts: This report lists inwards movements of Supplier Orders for raw materials.

Raw Material Requirements: This report calculates the theoretical free stock based on existing stock levels, receipts and production requirements.
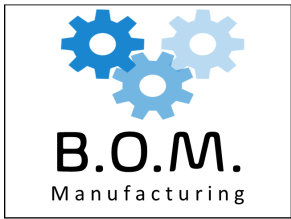
Stock Movement Report: An audit trail of raw materials movements for a designated period is available.

Stock Valuation Report: The Stock Valuation report will list raw material stock-on-hand extended at cost.

Component Usage: This report summarises the usage of components by Production Order.

Stocktake Discrepancy: Discrepancies between on-hand and counted raw materials stock are highlighted in this report.

Listings: Description listings for Work Centres, Quantity Unit Measures, Suppliers and Raw Materials can be printed on demand.

Inquiries and Displays

Component Stock Inquiry: This step-down inquiry firstly displays a stock status control summary showing opening stock, movements, closing stock, on order, committed, and free stock. A detailed display of transaction movements or a forecast based on current Production Orders can then be selected.

Bill of Materials Inquiry: This inquiry shows the product code, description, quantity and work centre. It then repeats these details for each element in the Bill of Materials. Detailed transaction movements can be displayed.

Production Order Inquiry: The Production Order inquiry displays the order number, date and quantity followed by a single line display of each work centre status movement to date. The work centre and date are shown together with quantities and costs incurred to date. The costs can be further broken down into materials, labour and overhead. The period for which production order history is held on file is user-definable.

Finished Goods Inquiry: This displays the product description and a breakdown of materials, labour, set-up and overhead costs by work centre.

Integration

The system has a seamless interface into the Intech STOCK system. Finished goods product records are held within STOCK as is information relating to inventory levels. Customer Orders are entered into STOCK and Packing Slips/ Invoices are also produced in this system. Once Production Orders have been completed finished goods inventory is automatically updated within the STOCK system.

- Intech's STOCK system integrates with Intech's DEBTORS system. Customer maintenance records are held within the DEBTORS system.
- Both STOCK and DEBTORS can be linked to Intech's TRANSACTION ENTRY system to form a comprehensive financial accounting suite.
- Intech's FABRICS Textile system and LOANS Sample system can also be integrated with the BOM for manufacture of finished goods and kits

Contact Details

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