

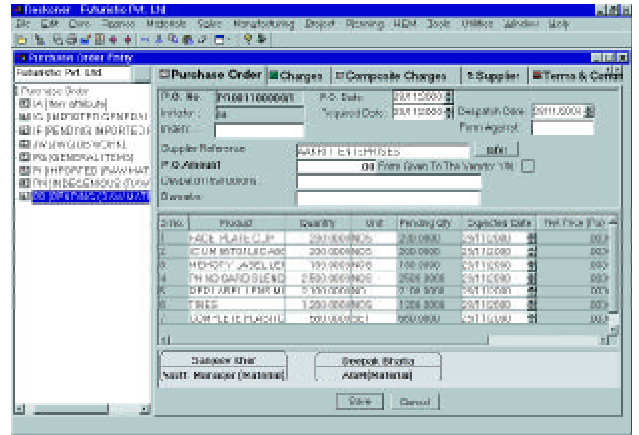
Reckoner Manufacturing

Overview



RECKONER MANUFACTURING

Reckoner Manufacturing harmonises the availability and use of the 3 Key Factors in any process-based organisation, viz., Men, Machines and Materials. The high degree of definability in-built in the Reckoner System allows you to map virtually any manufacturing process possible. The system even allows working with different Manufacturing Strategies – Made to Stock, Made to Order, or Assemble to Order – to facilitate flexibility to cater to varying order types. Automatic Scheduling and Dynamic Planning, together with the Forecasting tool and the online reporting and processing make Reckoner really a force to reckon with!



Reckoner Manufacturing manages the whole gamut of Production Planning, Shop Floor Management, Machine Allocation & Maintenance and Human Resource Allocation. It generates for your organization optimal (and dynamic) production schedules according to your pre-determined plan. Before actually getting into production, all terms are defined in the system, which allows a systematic functioning of a manufacturing.

Reckoner Production Line Design allows classification of plants, shop floors and assembly lines in a hierarchical structure. Production Lines are designed using product routing. It allows simulation of production on dummy lines, to facilitate selection of the best fit of processes.

System allows flexible planning and distributes planned orders in short-term plans. Schedules can also be modified according to the workload.

Manufacturing environment could be for Process Manufacturing and Discrete Manufacturing. The user can raise a Production Order based on Production Plan with scheduled dates. Production Order can be raised specifying an associated Routing to be followed, Bills Of Materials, which are required for the production of Semi-Finished and Finished Goods.

Reckoner Manufacturing has an automatic scheduler, which schedules Activity and Units. This scheduling can be manually modified.

Reckoner Manufacturing, at each stage of production, confirms the percentage of total Qty that is produced, pending qty etc. Once Production is confirmed, Finished goods are inspected for Quality Assurance and then accepted or rejected or reworked upon. A GRIN is generated for the accepted quantity and Finished Goods are received and inspected in Godowns.

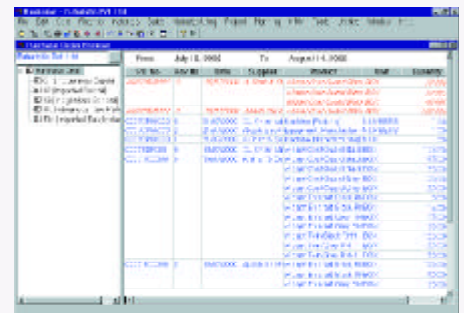
Reckoner Manufacturing interfaces directly with Reckoner Planning. Production Order is generated based on Production Planning. According to the workload, planned orders are distributed into short-term plans. Schedules can also be modified.

Reckoner Manufacturing actively interacts with Reckoner Inventory. Requisition for Material is raised based on BOM for the Production Order. Reckoner also allows Back Flushing, wherein the unused material is sent back to the inventory.

Reckoner Manufacturing supports multiple BOM to produce single Item. Shop Floor Controlling can be deployed to automate the manufacturing process. Decision-making becomes easy with online reports, which gives you a complete picture of the current documents and any pending engineering changes.

Reckoner Manufacturing comprises of:

- o Bills of Materials: facilitates effective management of all your essential engineering, business planning, sales order configuration, material planning, and information.
- o Shop Floor Control: can select Routing, Bills of Materials, can reserve materials for production, capacity requirement for production units, automatic scheduling of production order and rescheduling.
- o Process Management: ensures effective planning, execution and control activities for process-oriented manufacturing.
- o Production Planning and Control: enables planning for the types and quantities of products as a demand program as well as planning for their production.
- o Production Costing: refers to the production order to accumulate cost when work is performed pursuant to an order.



Reckoner Manufacturing

Features

Bills of Materials

- Reckoner allows hierarchical BOM definition to include semi finished goods and raw material.
- You can define standard, common, and alternate Bills Of Material.
- Comparison with other or specific BOM is possible
- Maintains history of BOM.
- Can modify the existing BOM and view hierarchy of BOM.

Shop floor Controlling

- More than one routing can be defined for a product depending upon production order group, customer profile and production order type.
- Automated inventory and quality Management along with job confirmation.
- Resource/ Machine usage logs and analysis.
- WIP Inventory visibility.
- Effective management of Man, Material and Machine on shopfloor through planned Production Order and Confirmation.

- Various mechanism of status reporting-jobwise/ machine wise/ resource wise.
- Helps in managing schedule and costs.
- Provide activity logs and other details.

Production Scheduling

- Can define repetitive schedules for any intervals you choose.
- Facilitates planning of duration, depending upon scheduling type.
- Schedule and reschedule production based on MRP suggestions.
- Supports Production Scheduling based upon user definable criteria
- Backward or forward Scheduling
- Tightly integrated with MPS and MRP. Also taken into account confirmed orders.

Production Order

- Shop floor/ Process Flow management through Production Order, Schedule and Job confirmations
- Decide the plant in which the material is to be produced.
- Analysis of actual v/s planned production
- Can generate production orders using Reckoner Production Order.
- What-if Analysis Production facility Definition
- Allows classification of Plants, Shop floors and Production lines in hierarchical structure
- Makes usage of product routings/ recipe operations to design Production line
- Maintains version of Production design.

Production Facility Definition

- Allows classification of Plants, shop floors and production lines in hierarchical structure.
- Makes usage of product routings/ recipe operations to design Production line.

- Maintains version of Production design.

Various Reports Generated in Reckoner are:

- Key information about different documents is fed into the system through various Forms such as Production Order, Order confirmation and scheduling.
- Day to day information is recorded in Registers such as Production Registers.
- MIS Reports allows analysis and decision making for future production capacity, resources allocation etc.

Integration with Reckoner Core

- Online Authorisation of Documents due to true workflow based system.
- In built Mail system.
- Alerts can be set in the system to monitor exception activities or events.
- Ensures people access only the information they need and are authorized to access.

SUB-MODULES & REPORTS LIST

Bills Of Material

Shop Floor Control

- Production Order
- Confirmation
- Scheduling

Process Management

- Production Order
- Confirmation
- Scheduling

Production Planning and Control

- Production Order
- Confirmation
- Scheduling

Production Costing

Forms

- Production Order,
- Order Confirmation
- Unit Confirmation
- Scheduling
- Activity schedules
- Unit Schedules
- Resource Schedules

Registers

- Production Register
- Order Monitoring
- Order Schedule Report
- Order Confirmation
- Material Reconciliation
- Job Allocation

MIS Report

- Daily Production Report
- Work in Progress -Order Wise/ Product wise
- Pending Order- Product Wise/ Customer Wise
- Order Monitoring-Order wise/ Product wise
- BOM Hierarchy
- Machine efficiency Report
- Production Analysis
- Product Analysis



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*Specifications are subject to change without notice. Specific functionality as described is available with different configurations of Reckoner.

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