PROTEUS

VISION
Manufacturing

The basis for sound profitability in a manufacturing company is the ability to manage raw materials and resources from order to the delivery of a flawless product, as quickly, inexpensively and smoothly as possible. To achieve this it needs the support of an system that can keep the same pace as the company and the world around it changes. This is the foundation on which Vision Manufacturing rests. Clear and simple flows are provided for routine issues, with advanced functionality to support exceptions. A powerful, multifaceted solution, Vision supports analysis and control in all types of manufacturing, in all phases of the manufacturing process, in the organization.

Vision ERP supports both Make to Order & Make to Stock modes of manufacturing.

Made to Order

These are the products that are manufactured specifically against particular sales order received from customers. In these scenarios, Sales Order reference number can be tagged in Work Order so that Vision understands that the products are being manufactured against a specific Sales order.

Made to Stock

These are the products which a company would typically like to hold minimum inventory of as they are constantly moving in the market so as to avoid stock out situations. Based on the settings of minimum quantity in Item master, triggers can be set to create automatic Work Order for manufacturing of these items, based on inventory levels.

Bill of material

Formulae driven BoM :Vision has the ability to manage various parameters like potency and quantity of various raw materials listed in BoM. Potency formula can be user defined. Based on this, quantities of various non active materials are automatically adjusted while issuing the material subject to availability.

Alternate BoM :Manufacturing process require that an existing raw material in a BoM can be replaced by alternate material. Vision offers this feature.During an MRP run and if the main material is not available, the alternate material can be selected for production and planned for production.

Co products , By products

In pharmaceutical and chemical industries, by products are often recovered / added during various processes.Vision has feature that defines by products and its usage / recovery path. It also allows identifying the operation at which it is received as recovered or added as recovered.

Work order management

Vision supports entire work order management cycle, thereby giving unique material traceability. User can define work orders for fresh, rework, packing, other type or trial / R & D batches. It allows the user to create work orders (thereby knowing intended monthly production plan), firming up work orders that gives information on available raw material & releasing the same for production on the intended date. Once a work order is released, material issue slips are generated.

Issue of Material :Vision ensures that material is issued to the shop floor based on the recipe mentioned in the BoM. It tracks the issue or material by providing different options for

Deviated Issue: Excess material issued to a work order is initiated and tracked by a devotion issue process.

On Demand Issue: In a number of manufacturing process, the exact quantity of usage of a material is not definable as a standard but as a range for eg , Degreasing liquid used between 1 lt to 5 lts.

These issues are linked with original work order, thereby giving reports of actual consumption against a work order (and hence a batch), enabling management to keep control over costs.

In process industries (especially pharmaceutical) , certain materials are required to be issued to production only when a particular stage is reached. Vision Work order management handles this very uniquely.

At the end of production run, production quantity is taken against a particular work order. Continuous multiple production runs for one product can be taken against a particular work order.

Process Management

Vision provides a comprehensive definition processes involved in the production of a particular product. Step by step detailing of all the processes along with definition of routes, processes, machines and tools used, process routes and instructions to be followed along with observations to be noted on each route are created in masters. These are then associated with BoM and Work order. Once a work order is released for production, production feedback is taken against each of the process.

Shop Floor Control

It tracks activities and records operation status and labor times for manufacturing jobs released through the Work Orders module. Shop Floor Control uses the work order routing to calculate usage variances, efficiencies, and utilization. Rate, usage, and method variances for both labor and burden are calculated at the time labor is reported and may be posted immediately or held until the work order receipt is processed.

Integrated QC

QC process and checks can be defined and applied at all stages of manufacturing . Vision QC module is tightly integrated across all inventory and manufacturing transaction.

Vision has elaborate masters that allow the users to define various types of QC checks required to be performed, along with specified readings, on various materials. A combination of these Quality Specifications can be grouped into a set of tests, known as Quality

Table that can be associated with various materials easily, thereby avoiding repetitive work. Each table then automatically gets associated with a QC Order at appropriate stage. User then has to enter his observations against standard readings and take an appropriate decision.

In Vision users can define and monitor quality checks required during the production process. At each predefined stage, a QC order is generated which prompts the QA user to enter real time observations against set parameters. An appropriate decision can then be t

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