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## Delta Production Control System (DPCS)

### Quality and high performance



The Delta Production Control System provides full automation and integration of the manufacturing operations in any industrial entity, where it handles all the aspects related to the raw materials, the production direct and indirect expenses, cost and the price of the final products. Delta Production Control System also contains stock control functions where the issuance and addition of the raw materials or final products are controlled through addition and issuance vouchers, which are integrated with the bill of material and the work orders. Delta Production Control System is featured with flexibility and simplicity in operation, where it can be operated on the most common database engines and operating systems, and from the managerial perspective it is suitable for any industrial firm or entity regardless its size, facilities or managerial framework. Delta Production Control System presents new capabilities in managing and controlling the manufacturing operations in a simple and accurate way and with its ability to be integrated with other Delta Financials modules, it can be considered as a significant addition in the ERP systems field.

#### **Delta Production Control System Features:**

Delta Production Control System has a lot of advantages, which give the user the ability to

perform his duties and tasks with maximum grades of delicacy and sufficiency.

#### **A Few Examples of the System's Properties:**

- Provides a variety of pricing policies (Last Price, Average Price, LIFO, FIFO) that the user can select the one suitable for evaluating his stock of raw materials, semi-final products and final products.
- Allows the user to use more than one method in posting (batch or online) according to his needs.
- Allows the user to record, display and print the addition and issuance vouchers with the ability to select the expiry date option in order to control the addition and issuance transactions in conjunction with the selected pricing policy.
- Allows the user to use different measuring units and to define the conversion factors from each measuring unit to another where the system handles the conversion calculations automatically in the BOM, Work Orders ...etc.
- Provides tight tracing capability of the stocks as it warns the user when any change occurs in the status of any item stock (stock exceeds the balance, stock exceeds the minimum, maximum or reorder levels).
- Provides the ability to define a comprehensive Bill of Material (BOM) for each product, which contains all the elements, needed to calculate an accurate estimation of the cost of this product.
- Provides the ability to define production stages for every final product and these stages can differ from one product to another in order to control the production process for each product separately and on the level the stage not the level of the product as a whole.

- The user can define production tracks for each final product, where the production capacity of the product and the run time of the machines that are going to be used in the production process are used in the calculation of the actual cost of the product.

- The user can define production schedule for each final product, where he/she assigns the required quantities of the final product to production periods, and this function affects the stocks of the selected product in the entity's stores
- The user can define a schedule for the raw materials required in the production process of each final product. Where he/she assigns the required raw materials quantities to production periods in conjunction with the production schedule and this function affects the stocks of the selected raw materials items in the entity's stores.
- The user can define all the direct and indirect expenses related to each final product separately, where they will be

submitted to the work orders assigned to those final products.

- In case there was shortage in the stocks of a certain raw material item, the user can define a Purchase Order Plan. Where purchase orders are created automatically and the stocks of the raw materials items included in that plan increase as soon as the addition vouchers related to the assigned purchase orders are created.
- The system contains work orders that can be assigned to more than one final product and more than one BOM. All the expenses that previously were defined for the selected final products are submitted automatically to the work order and the user then can define the prices of the product whether it was before expenses, after expenses or after cost.
- In order to control the production process on the production stage level, the user can assign previously defined production stages to work orders where the user controls the stages by selecting an execution status and execution date for each selected production stage.
- The system allows the user to calculate the price of each produced final product automatically taking in consideration all the previously defined direct and indirect expenses and the prices that were defined in the work orders.
- In order to trace users' actions on the system for data security purposes, the system records all the actions that occur during its operation. Where the administrator can sort the records according a variety of sorting options so he/she can determine who did what and when he/she did it and where it was done in the entire system.
- The system gives the facility of displaying and printing detailed and summarized reports that show all the transactions occurred and cover all the aspects of the system using a variety of displaying ranges.