

PRODUCTION CONTROL

The Production Control System is designed to enhance operating efficiency in the highly competitive manufacturing industry. **MAJIK** will boost profits by reducing errors, and saving time and money by establishing management control for all stages of the production process.

Production Control is used to add and maintain production orders, and to print production order pick lists and routings. Once released, the production order serves as confirmation or authorisation to manufacture the specified items.

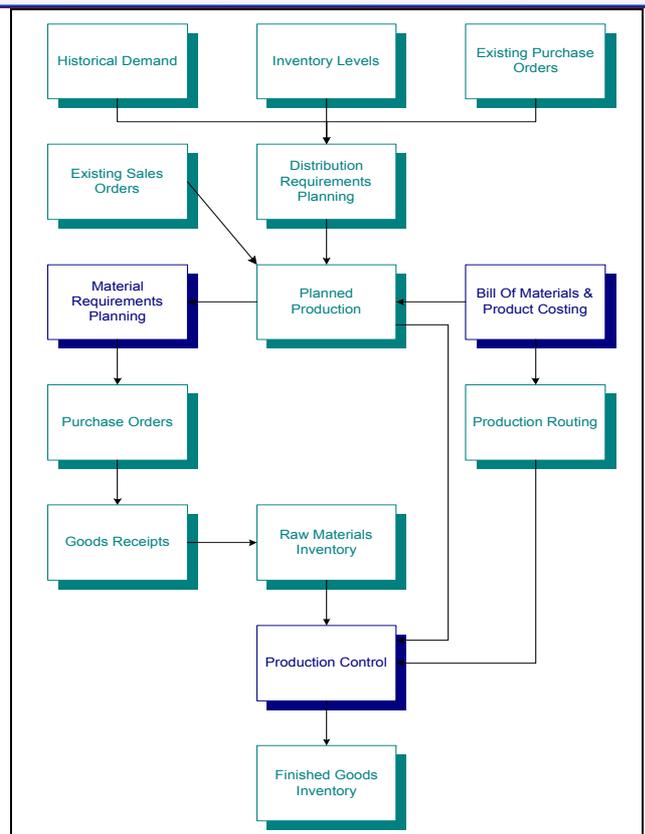
Each production order contains a list of the required raw material items and a production routing which lists the requirements for operations, such as labour and machine resources.

Key Features:

- Actual raw material pick list issues, labour, and machine times are recorded (by monitoring the completed operations) to obtain actual cost information.
- Production orders can be entered directly or automatically as planned orders from the Distribution Requirements Planning and Sales Systems.
- The system provides reliable cost control by tracking vital information on materials, labour, and overheads required, versus quantities actually used. This gives an accurate picture of usage, costs and variance.
- The system does a component availability check prior to release of production order to the factory floor and highlights the shortages.
- The Bill of Resource can be modified for the released order. These modifications remain specific to the production order and do not update the Bill of Resource Master.

The above diagram outlines how some of the information flows integrate to provide a complete manufacturing system.

- Zoom windows enable the quick retrieval of production orders throughout the system, without having to remember batch numbers.
- Production orders are tracked through stages of production that are identified by statuses, for example; Unreleased, Released, Held and Completed.
- Batch ticketing is provided for lot tracking functions.
- As raw materials are issued to production orders, and finished products received into inventory, inventory levels are updated automatically.
- Detailed production batch history is maintained, including materials, actual usage, batch number, customer, material costs, labour costs, and overhead costs. The production history can be reviewed at any



level of detail at any time. For example, if there is a quality problem with a specific batch, you can generate a list of all materials (and corresponding lot numbers) that are part of that batch. Or if there is a quality problem with a particular material lot, the system can provide you with a list of all finished products (with batch numbers) that used that particular material.

- The system records the total quantities produced and used by specified periods, for reporting and planning purposes.

ADVANTAGES

- 1 Easy creation and maintenance of production order
- 2 Accurate and reliable cost control
- 3 Timely production of finished goods
- 4 Integrated with inventory module for quick stock information and updating
- 5 Easy tracking of production orders