

# « Set out your production plan »

Halfway between planning and scheduling, the production plan enables to list all the productions to do. This plan is conducted over a short period, from one to two weeks at the most, and enables to set the potential of the resources necessary for the workshops to run smoothly. The coverage of customer requirements can also take into account that potential. The production plan emits reservations for time and for components which will have to be met. Every order can then be the subject of scheduling, but it is not mandatory as it is possible to produce an order which does not have to be scheduled.

## Goals

- To have a plan for a workshop that gives the production to carry out in a short time.
- To be aware of the needs for essential components.
- To know the flows of materials and components to route during production.
- To know the potential of workforce necessary to carry out the committed production.

The screenshot shows the 'Management des Programmes de Fabrication - GALION (PROD) V20' window. It includes a 'Options' section with fields for 'Site' (set to 'SEVASTION MONACO'), 'Moyens' (set to 'SEVASTION - Mag. Production'), and 'Général' (set to 'Production'). Below this is a table with columns for 'Date', 'Date', 'Date', 'Date', 'Moyen', 'N°', '%', 'Transm', 'Artic', 'Libellé artic', 'Ref. externe', 'Qtd d', 'Qtd', 'Poids', and 'Fili'. The table contains several rows of data representing production orders.

## Use

The software enables to produce without manufacturing orders. In that case, the planned orders from the MRP are the only information available to ensure that the quantities produced correspond to the quantities requested. This approach can be or has to be used when the organization of production corresponds consistently with the customer demand (it is often the case when there are dedicated means).

As soon as it is necessary to link the different departments of the company in a relationship « customer – supplier » in order to respect and optimize production, the management of orders is recommended.

The production plan is translated into a schedule of work at the workstations.

## Analysis

According to the organization and to the type of products manufactured, it might be necessary to manage manufacturing orders. The production plan is a rework of the list of orders. It takes up all the resource needs (components, workforce, and machines).

## Six good reasons to adopt it

- ➔ It can be created from MRP propositions
- ➔ It enables to monitor the expenditure of resources in the short term
- ➔ It enables to ensure that the expenditures align with the requests
- ➔ It enables to control the generation adequacy
- ➔ Anticipation of the risks of component shortages
- ➔ It enables to calculate a production service rate



# GALION Production plan