

Production Module

OVERVIEW

Even in the most complex production environments, **The Priority** can plan and control all your manufacturing activities to ensure maximum operational efficiency coupled with responsiveness to a varying sales demand. Regardless of whether you make to stock, make to order, make to forecast or any other variation of manufacturing regime, **The Priority** will provide the information you require to manage and forecast all your resource requirements and manage them on a day-to-day basis.

FACTORY MODELLING - PARTS & ROUTINGS

The first step for any production management software is to realistically model the factory environment including products, sub-assemblies, components, production routings and operations. These definitions allow you to define the behaviour of parts throughout their manufacturing process as groups or individually, including specific set-up operations and other non-productive time due to waiting, drying, curing, etc.

FACTORY MODELLING - WORK CELLS & PATTERNS

The company's resources are modeled as work cells which can be grouped as departments to share characteristics. Each work cell is allocated a work pattern which defines exactly the working hours available to it. Exceptions can either restrict or add to those hours for specific or regular differences to the norm. The definition of work cells provides an exhaustive means of determining how the constraints of your production environment will affect the throughput of work on the factory floor.

WORK ORDERS

The production activities of the organisation are normally managed through the use of Work Orders which dictate when, where and by whom activity takes place. **The Priority** will generate and manage all such work orders whether they be generated from sales orders, from forecasts, from internal demands or manually. Activity by work orders can be tracked by use of the comprehensive work order audit trail.

▶ The production side of the operation can be the most complex part of the company. The Priority makes light work these tasks.

▶ The products you make and the operations they must go through must be accurately defined.

▶ The accurate modelling of your operational environment is the key to ensuring realistic planning.

▶ Automatic generation of orders for production keep planning admin to a minimum.

MATERIAL ISSUES

As well as managing the creation, circulation and reporting of work orders, it is important to be able to manage effectively and efficiently the issue of component parts and sub-assemblies to those work orders, wherever the material is held. There are a selection of issue methods that are available depending on the level of control required and the required number of stages required in the manufacturing business process. Any situation from the ultra-streamlined back-flushed stock scenario to the inspected assembly kits in kit warehouses can be catered for.

PRODUCTION REPORTING

Having generated the required amount of work order instructions and component issues, you may need to report the manufacturing work itself. Each and every production operator can report their own part of the operations so building up a comprehensive picture of manufacturing progress and production cost control. Such reporting can be instigated via the conventional keyboard input or any other method of shop floor data collection, including shop-floor barcode readers or process control PLC's.

PRODUCTION PLANNING

Complex manufacturing environments need excellent planning systems to provide the required management information keep them operating at peak efficiency. The Advanced Planning & Scheduling capability in **The Priority** does just that. It is a finite capacity planning system that will be able to manage anything you can throw at it. And what is more, it provides vital information that is seamlessly integrated with the rest of the system operation.

REPORTING & DOCUMENTATION

Having the capability of managing complex environments is one thing, but that information must be delivered in a form that is useful to the organisation. Whether you want conventional report formats, screen-based reporting, mail-based information or any other format, The Priority will provide the information you need to manage your production environment.

▶ **Control the issue of material at the level you desire and ensure the process disciplines are adhered to.**

▶ **Ensure that the manufacturing plan is being executed as desired and identify early when it is not.**

▶ **Manage the most complex of environments with easy-to-use simulation tools.**

▶ **The information you need in the format you want it.**

eMerge Information Technology Limited
Speedwell House, Speedwell Close
Chandlers Ford Industrial Estate
Chandlers Ford, Hampshire
SO53 4BT

Tel: +44 (0)845 230 6740
Fax: +44 (0)845 230 6750
www.emerge-it.co.uk
info@emerge-it.co.uk