

## Product Data Sheet for Production Scheduling

The Production Scheduling module integrates with the Routing & Work-in-progress module and schedules resources in the production shop floor. The schedules can be amended by the production manager.

### Overview of Features

1. The scheduler will include both internal and subcontracted operations.
2. Backward scheduling method is used for scheduling the load of resources.
3. The machine and labour are assigned to factory patterns which will determine the dates and times that they are available for work.
4. The machine and labour priority are defined in the Routing & WIP module.
5. The machine and labour efficiency are defined in the Routing & WIP module.
6. The production can be grouped by Batch Size – the scheduler will repeat the process until the required quantity is produced before the next operation will begin.
7. The production can be defined as Continuous Operation – the scheduler will assign the operation to be completed on a single machine. In other words, the operation cannot be split into multiple machines.
8. The routes of the production order holds the setup and run time required for each production process. This information, together with the quantity to produce and production order due date, will be used to calculate the load to be scheduled.

### Reports

1. Production Schedule Report
2. Resource utilization reports
3. Gantt chart load for resource
4. Gantt chart load for production order