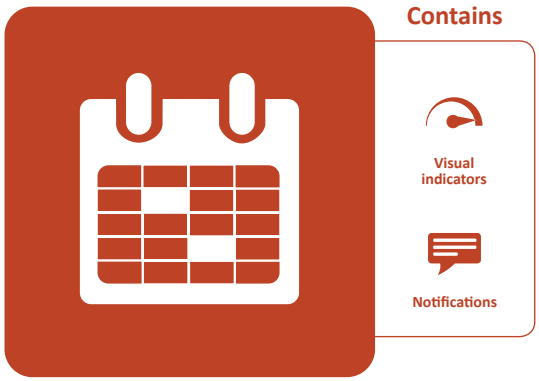
Qguar APS

Advanced Planning & Scheduling



Production planning and production order scheduling is a complex process, requiring considerable experience and knowledge, particularly in the field of process optimization and critical path management. Changing production schedules and the tendency to reduce single order size are additional challenges. Qguar APS (Advanced Planning & Scheduling) is software that fully supports managers and planners in manufacturing scenario optimization. Qguar APS is equipped with algorithms that allow to plan production in such a way that orders are completed in the shortest possible time, at the highest performance of production machines, the shortest downtime, and the lowest cost. Planning and scheduling production orders with Qguar APS is efficient and prevents human errors. Qguar APS software interface is easy to operate and uses generally known graphic software standards.

System advantages

- reduced lead time and increased productivity
- inventory reduction
- minimized deviations from the terms of delivery
- reduced set up times
- reduced wait time
- maximized resources use
- improved customer service quality
- friendly operation
- cost reduction

Use

Qguar APS is a tool for manufacturing companies that aim at timely order execution without the need to maintain high stock levels. It provides invaluable support to companies that do not use advanced ERP systems or carry our planning with the use of spreadsheets. Qguar APS will be a helpful wherever it is important to shorten preparation and completion time, maximize resources load, or launch alternative production paths.

Functional scope

Qguar APS offers the following functions:

- Gantt chart for resources
- Gantt chart for production orders
- automatic operation planning
- manual operation planning
- resources load chart
- production plan assessment
- resource and calendar management
- downtime management

Overview of basic system features

- Gantt charts
- Automatic operation planning
- Minimized deviations from the time limits
- Reduced set up times
- Reduced wait time
- Maximized resources utilization
- Reduction of stock levels
- Production plan assessment

Examples of APS screens