

Qguar APS

Advanced Planning & Scheduling



Industry specialization

- Food production
- Non-food production
- Chemical and pharmaceutical production
- Heavy engineering

PURPOSE

Qguar APS is a modern tool for manufacturing companies, where the priority is to fulfil orders on time, making optimal use of available resources (raw materials, machines, personnel).

The system is an indispensable assistant for businesses where the use of «heavy» ERP systems is not justified, or planning is still carried out using spreadsheets. Wherever it is important to minimize the time of planning and implementation of production tasks, maximize the load of resources or the use of alternative production routes, Qguar APS will be a useful and effective tool.

SYSTEM ADVANTAGES

- Fast generation of optimal production schedules
- Accounting and planning of all available production environment parameters
- Planning of the company's sub-resources (composition, equipment, tools, etc.), additional resources and works outsourced
- Minimizing the reconfiguration time
- Reduction of costs for drawing up production plans and their adjustment
- Improving the equipment and personnel efficiency
- Smoothing and reducing the production cycle
- Quick identification of bottlenecks
- Minimizing deviations from delivery times
- Decrease in working capital and work in progress
- High-quality customer service
- Integration with MES and ERP systems
- Possibility of simulation planning and modelling

Production planning with order scheduling is always a complex process. It requires, first of all, experience and knowledge in the field of process optimization and management of critical situations arising in the production of any type of product. Qguar APS is a software solution performing scheduling according to specific production scenarios.

Qguar APS is an advanced tool for managers and planners in building and optimizing detailed production sched-

ules, taking into account the associated production resources and processes. The system includes algorithms for planning the production process, which allow you to fulfil orders in the shortest time, with maximum performance of the equipment and its minimum downtime.

Thanks to Qguar APS, planning and scheduling of production orders is fast, and its high efficiency is achieved by minimizing the impact of the human factor in the planning process.

BASIC FUNCTIONALITY

- Creating Gantt charts
- Creating an unlimited number of calendars for production resources
- Selecting and adjusting the importance of tolerances for key performance indicators (KPIs)
- Comparison of production schedules
- Selection of optimization criteria

- and definition of criteria during the planning
- Planning the start and end times of production operations
- Assigning a sequence of order production
- Determining the reconfiguration time
- Ability to manually adjust schedules

FUNCTIONAL BLOCK OVERVIEW

