

ABAS APS

TRANSPARENT PRODUCTION PLANNING AND SIMULATION

A huge amount of data, dependencies and restrictions must be considered in production planning and control (PPC). abas APS supports you in mapping production processes realistically, identifying material and capacity bottlenecks, forecasting and simulating different scenarios. It also gives reliable information on finish dates and delivery probability.

MONITORING PRODUCTION CAPACITY

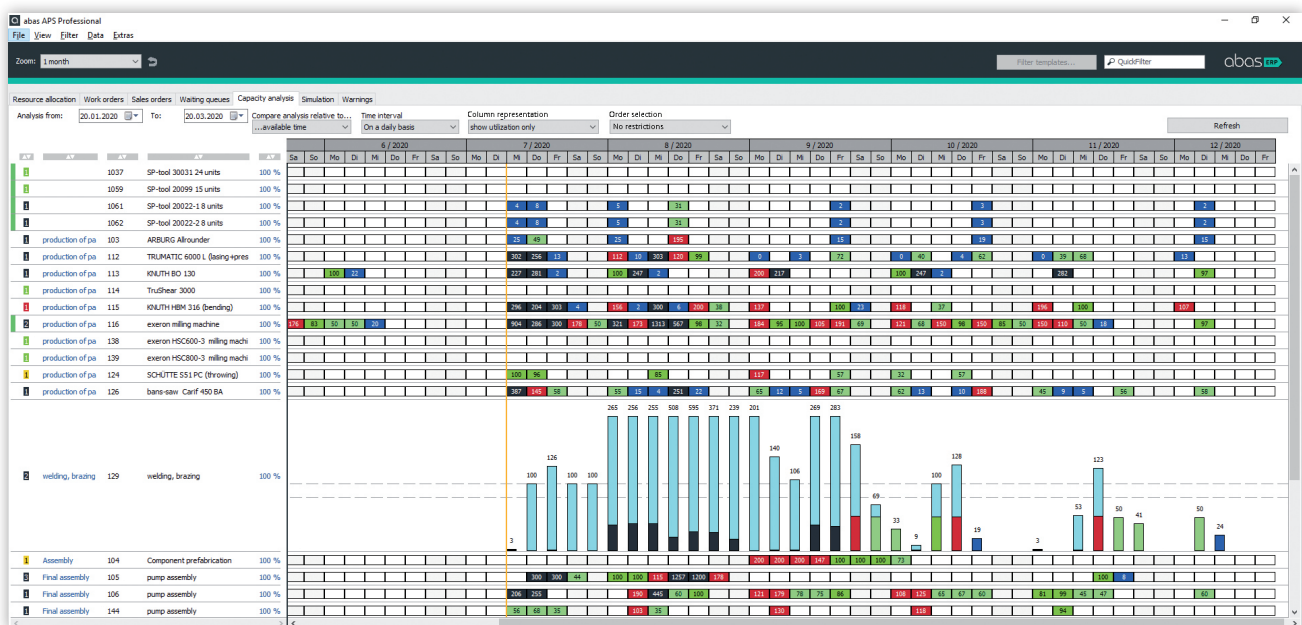
abas APS provides different role-based views visualizing data relevant for planning. The Resource view enables a quick overview of your production capacity. Planned operations for each resource are displayed in a Gantt chart. Resources can be machines, employees, but also tools and means of production.

Conflicts, such as multiple assignments, can be easily recognized and resolved: Simply move a work order directly in the chart or in the machine loading and scheduling list. Furthermore, you can switch from any data record to the respective screen in abas ERP. Depending on the level of detail required, you can also limit resources or get an overview of the entire order network, including dependence on purchased parts, in the split view.

PREVENTING CAPACITY BOTTLENECKS

The Capacity analysis view displays the percentage load of your resources in a specified period – per day, week or month. A traffic light system gives you quick information about your capacity situation. If required, you can open detailed information in the bar charts.

To help you decide if additional capacity is required, e.g. in the form of additional shifts, the Queues view displaying wait time per order and resource provides more detailed information. It also provides information whether a deadline can be met despite wait time at the bottleneck. This allows you to determine if and where additional capacity is required at an early stage.



Complete overview of capacity and bottlenecks

TRANSPARENCY OF WORK ORDERS

Maximum transparency of all related processes is especially important in complex production orders. The Work orders view¹ represents work orders with their procurement status and all operations. Work order suggestions, purchasing processes, subcontracting and relocation are also included. You can identify the structure, dependencies and bottlenecks of an order, and the color coding helps you check if delivery deadlines can be achieved.

CENTRAL INFORMATION FOR THE SALES TEAM

The Sales orders view² focuses on the current delivery date situation as well as the status of a sales order, and shows deviations from the target delivery deadline. It provides the sales team with a quick overview to coordinate with the customer. Service and repair orders are also included in the Sales orders view.

LIMITED CAPACITY PLANNING AND SIMULATION³

abas APS is based on an advanced planning and scheduling model which realistically maps processes of small and mid-sized production companies.

Planning considers:

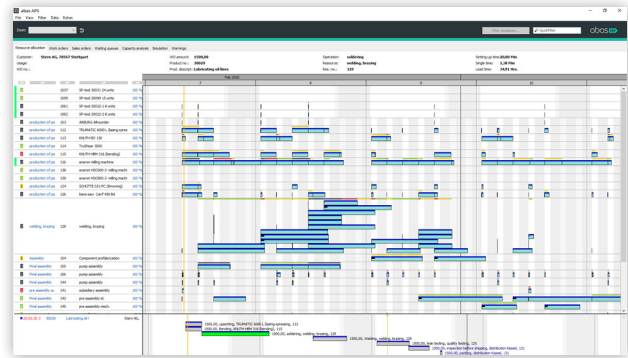
- limited capacity with detailed shift schedules
- possibilities of complete manual planning (frozen zone)
- possibilities of fixing orders
- setup optimization (formation of packages)
- priority identifiers and manual sequence specifications
- lead time minimization/synchronization of orders according to delivery date
- alternative resources

With abas APS, you plan interactively. As soon as you change sequences and priorities, or specify alternative resources, your production plan is updated within a few seconds. You can set up different planning scenarios and use the optimized plan.

¹From abas APS Basic Control edition

²From abas APS Basic Control edition

³From abas APS Professional edition



Transparent advanced planning and scheduling of operations

THREE ABAS APS EDITIONS

Many abas customers already use abas APS – the basic solution **abas APS Viewer** is included in the standard release of abas ERP. It provides important views to visualize and analyze your planning.

The **abas APS Basic Control** edition supports manual planning with abas APS, working in the machine loading and scheduling list and includes additional new views, e.g. the Sales orders view, as well as configuration and filter options. **abas APS Professional** is the full version of abas APS which you can use for limited capacity planning and simulation.

YOUR BENEFITS

- › Making the right decisions: full transparency in limited capacity planning
- › Early identification of bottlenecks and overcapacity
- › Fast reaction to changing requirements and making necessary decisions
- › Cross-departmental communication through visualization
- › Setup optimization
- › Forecast and optimization of different key figures
- › Higher level of productivity and efficiency

WOULD YOU LIKE TO LEARN MORE ABOUT GRAPHICAL ADVANCED PLANNING AND SCHEDULING?

We will be happy to advise you.

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