

# flexis Product Portfolio Overview

## Sales & Operations Planning

### Integrated S&OP Framework



#### flexis Sales Planning

flexis Sales Planning supports sales planning which can incorporate many factors like sales targets, consumer behavior, history, and product specifics into their sales programs. The result is the optimal service of markets with the best possible utilization of available resources.



#### flexis Demand Capacity Planning

flexis Demand Capacity Planning integrates the demands of sales and production as well as purchasing and logistics with functions for open sales and demand planning and the possibility to balance the planning with capacities. The result is the safeguarding of optimal mid-term to long term market operation with minimal costs.



#### flexis Demand Capacity Management

flexis Demand Capacity Management calculates bottlenecks and overcapacities early on the basis of demand and capacity information. Thus a protected mid-term planning process up to the sequencing time frame is achieved. The result is cost minimized production planning.

## Advanced Planning & Scheduling

### Integrated Scheduling Framework



#### flexis Order Slotting

flexis Order Slotting includes a multitude of functions for production order planning. Desired customer delivery dates are taken into consideration as well as capacities at the production site and the suppliers. Thus stable production programs are calculated and high adherence to customer delivery schedules is achieved.



#### flexis Balancing

flexis Balancing levels order distribution within freely definable time intervals taking into consideration attributes like customer dates and capacity restrictions. The result is a balanced, cost optimized production program and stabilization of parts demand transmitted to suppliers.



#### flexis Transport Scheduler

The flexis Transport Scheduler optimizes the transport capacity. This is achieved by defining pick-up time windows for all required material that consider charge density and are on schedule. Thus load optimization and material planning are merged.

### Job Shop Scheduling



#### flexis Job Shop Scheduling

flexis Job Shop Scheduling accommodates the challenges of today's fine planning. Optimized machine utilization plans for all stages of production, customer appointments, resource structures and personnel capacities result in an allocation plan, which corresponds exactly to the current objectives and requirements.

## Advanced Planning & Scheduling

### Integrated Sequencing Framework



#### flexis Sequencing

flexis Sequencing generates an optimal order sequence which takes into account different restrictions like capacities at the production site and the suppliers. The result is an optimal production plan regarding costs, operations, customer dates and human resource allocation.



#### flexis Reference Sequencing

flexis Reference Sequencing makes it possible to link several plants just-in-sequence and to optimally align their assembly plans. The sequences of different plants, plant sections, or suppliers can be linked this way – aligned with a master sequence.



#### flexis Production Control

flexis Production Control assumes operative precision control of assembly sections as well as their information supply. The continued balancing with status feedback assures that counter measures can be initiated. The result is the optimal and secured execution of the planned program.

## Supply Chain Management

### Turbo Transparency



#### flexis Global Supply Monitoring

flexis Monitoring visualizes production status along the entire pearl chain as well as critical supply chains and thereby supports early detection of bottlenecks. Tightly designed supply chains with little inventory are therefore made transparent and production supply is secured.



#### flexis Inbound Monitoring

flexis Inbound Monitoring ensures the supply of parts for pending jobs in the short-term range considering the planned production sequence. By this means it becomes evident where bottlenecks occur and which jobs are affected.



#### flexis Outbound Monitoring

flexis Outbound Monitoring screens the delivery into the customer network. The planner receives an overview that indicates which requirements are covered and where shortfalls occur. Possible planning alternatives are generated. The status of the relevant products (planned, launched, completed) is displayed.

### Container Management



#### flexis Container Load

flexis Container Load optimizes container loading in respect of the loading sequence. Based on this, an ideal assignment of packing lines can be derived. Stacking- and shipping rules or limited capacity are taken into account.



#### flexis Container Pull

flexis container pull is heading for an optimization of the unloading process. The solution allows pulling the required containers into the warehouse of the receiving plant according to the current demand order. This way downtimes can be decreased as well as the amount of bycatch.