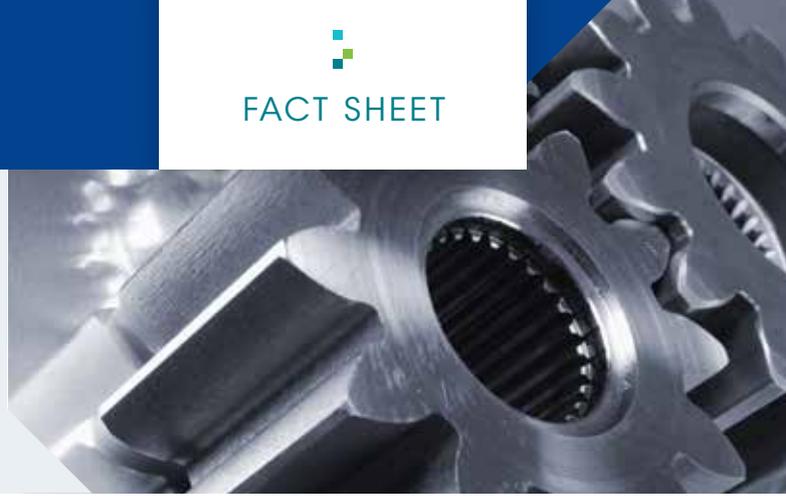# SYSPRO Factory Scheduling

SYSPRO Factory Scheduling (SFS) provides the capability to schedule production to a detailed level considering the capacity constraints in the production environment. SFS applications range from the simple Graphical Planning Board to the very sophisticated Advanced Scheduler, with the latter classified as an Advanced Planning and Scheduling (APS) system.

SYSPRO has developed these products to utilize the strengths of the Preactor range of tools, but configured it in a way that will work elegantly and logically with the core SYSPRO modules (Work In Progress, Bill of Materials etc.).

The products increase in functional richness, complexity and cost as you move up in the range:
- The Graphical Planning Board is a fairly basic finite scheduling tool which presents your schedule graphically, but will normally require quite a bit of manual intervention by the scheduler.
- The Advanced Scheduler on the other side of the scale is a very sophisticated scheduling system, employing advanced scheduling algorithms and considering all constraints such as tooling, material requirements etc. The Advanced Scheduler is the only tool in the range which can be considered a true APS (advanced planning and scheduling) tool. The other two products will be classified as finite scheduling tools, i.e. only the scheduling portion of APS.
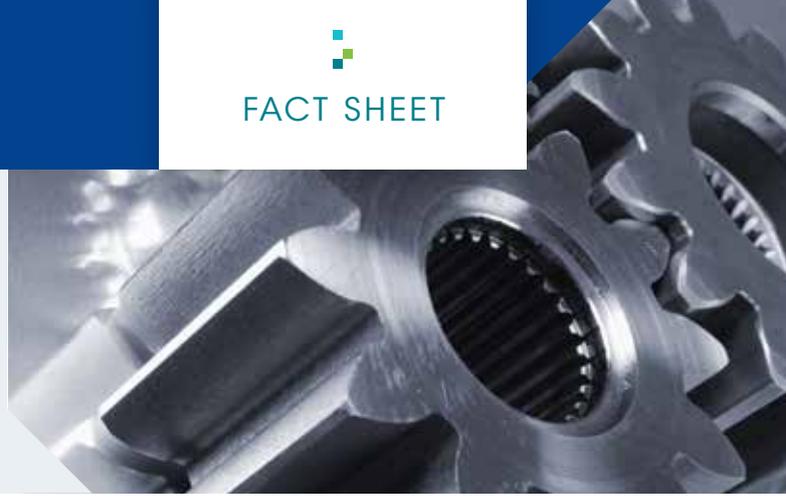
These tools are all pure scheduling tools. Using these tools does not imply that you will not require other high level planning processes and tools (e.g. MPS/MRP, Rough cut capacity planning etc.) to be in place. The scheduling tool will work in conjunction with these tools to form a complete end-to-end planning and scheduling cycle.

The benefits of SYSPRO Factory Scheduling

- Flexibility to suit your scheduling requirements
- Accommodation of multiple manufacturing sites within a single SYSPRO company
- Feasible production schedules, considering resource availability, constraints and shift patterns
- Insight into the expected utilization of resources for managing shift patterns and scheduled maintenance
- Optional scheduling of demand from sales orders and suggested jobs
- Accurate delivery dates
- Progress of jobs and highlighting of late jobs for targeted action
- Integration with existing shop floor systems via standard import/export tools
- Option to split and store single SYSPRO operations as multiple operations in SFS
- Closed-loop integration of factory schedules with work-in-progress, purchasing and customer order data
- Closed-loop communication facilitated between sales people, schedulers and the production floor
- Materials-based and multi-constraint scheduling
- Option to schedule based on matched properties such as temperature, pressure rates or paint colors, for optimal scheduling of multiple products

SYSPRO Factory Scheduling features

- Select the level of product that is best suited to your business
- Import configuration options from SYSPRO's Quantum Architecture
- Develop simple or sophisticated scheduling and pegging rules, customized to your specific environment and requirements
- Define stock code attributes such as color and width to schedule and optimize the sequencing of production

SYSPRO™

SYSPRO Factory Scheduling

SYSPRO Factory Scheduling features ctd.

- Use event script and event calendars to customize the solution to your requirements
- Use the user-friendly report writer to generate required reports
- Publish Gantt charts to your intranet in HTML format
- Schedule tooling and planned maintenance

Integration with SYSPRO

- Inventory
- Sales Orders
- Bill of Materials
- Work in Progress