Scheduling

Multiple resource views and online scheduling tools such as the change impact informer offer the master scheduler and management the ability to visually locate overload problems and slack conditions, then perform cost and throughput analysis on schedule changes before they are firmly committed.

VISUAL PRODUCTION SCHEDULING BOARD
Easily manipulate the schedule with drag-and-drop and drill-down techniques for multi-level assemblies and operation details. A main control center for scheduling resources graphically displays schedule by job, resource, resource group, or entire plant. Dynamically change the timeline of the view to see short-run operations and analyze the impact of long running operations instantly.

VISUAL ALERTS
View indicators, such as late status and material availability, to proactively alert the master scheduler to potential problems in the schedule. Optionally customize colors to denote actual, what-if or delinquent load by job or operation.

FINITE SCHEDULING
Schedule and reschedule with flexible, finite real-time schedule capabilities for a single job and plant-wide global finite capacity. Features include job locking for key operations or jobs, user-defined priority, and capacity load leveling by resource and resource group.

DRAG-AND-DROP
Drag-and-drop scheduled load hours forward or backward to alleviate the overload and effectively reschedule when faced with overload conditions at critical resources or resource groups.

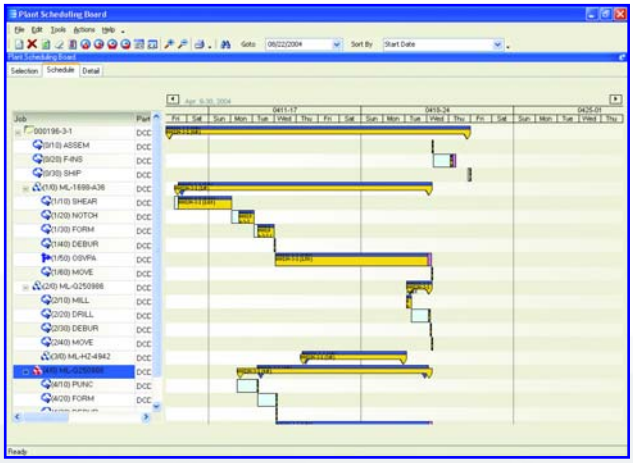
OVERLOAD INFORMER
Display each date and resource/resource group, where scheduled hours exceed capacity based on what-if or actual job schedules. Access resource, resource-group and job scheduling information to review the causes of an overload and make schedule changes.

MULTI-LEVEL ASSEMBLIES
Manage complex assemblies by matching the schedule to actual production output. From branch- and component-level rescheduling to final assembly, Vantage ensures that all components are on time and that nothing slips through the cracks. Visually explode high level components to view lower level component schedules.

WHAT-IF
Schedule jobs in what-if mode, with the ability to analyze potential bottlenecks before finalizing the actual schedule.

SETUP GROUPING
Use setup groups to streamline your setup processes. Dynamically assign grouping based on the criteria you define.

CHANGE IMPACT
View the potential changes for cost and throughput to the schedule after creating what-if scenarios.



Manipulate the schedule directly from a sophisticated, drag-and-drop visual scheduling board.

DUAL RESOURCE CONSTRAINTS
Use a secondary resource constraint (e.g., a tool or employee) in finite capacity scheduling in addition to the primary resource.

RESOURCE GROUP
Define an unlimited number of resources within a resource group. Resource groups can be used in the planning process with the actual resource assigned automatically based on availability of individual resources. Resources may have unique calendars, and values for hourly/daily capacity, queue- and move-time.

DIMENSIONAL PLANNING
Schedule by volume and quantity using dimensional planning that is not time constrained.

RATE-BASED SCHEDULING
Schedule cells based on production throughput rates rather than time.

CONDITIONAL FORWARD SCHEDULE
Optionally allow the system to perform a forward schedule based on a start date of today when performing a backward schedule if a current date is encountered.

FINITE LOAD HORIZON
Prevent the schedule from making adjustments too far into the future — potentially impacting material purchases and resource allocations — with finite load horizons (i.e., time fences or cutoff dates) for finitely scheduling load on the resource.

RESOURCE-BASED SCHEDULE
Develop a schedule for each individual resource deployed in the schedule.

RESCHEDULE DELTA
Optionally automate the system's response to parts that are planned to be early or late by a threshold number of davs.

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