New Horizon Production Scheduling

Scheduling for Manufacturing Operations

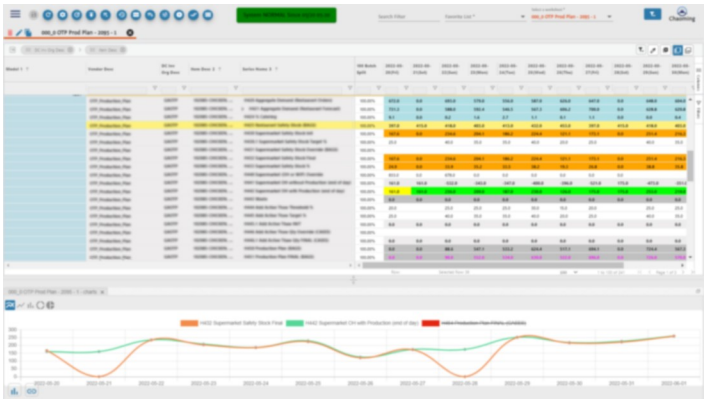
Automatically Generate Plans for Work Orders and Raw Materials

Efficiently planning what, where, and when to manufacture your products while taking into account multiple simultaneous constraints requires careful planning. For many companies, using spreadsheets is the default solution, but this approach is cumbersome, time consuming, and error-prone.

New Horizon Production Scheduling is a comprehensive cloud-based application for automatically generating constraint-based plans for manufacturing work orders and raw materials purchases. The solution prioritizes demands and generates accurate and realistic plans. And when supply or demand changes, new plans can be generated quickly in response. The result is improved service levels, lower costs, and a more agile supply chain.

Respect Real-World Constraints

Production Scheduling takes into account a variety of constraints in order to generate realistic plans. Plans respect materials and capacity constraints. They take into account calendar constraints such as holidays and production shifts. Product shelf-life requirements and minimum batch sizes are also factored in. For products with limited shelf-life, such as perishable groceries, the application forecasts expected waste so that planners can account for spoilage costs in their planning.



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Translate Production Plans into Raw Materials Procurement Plans

Once you have a production plan, you will need to ensure an adequate supply of raw materials. To do this, Production Scheduling maintains bills of materials imported from your ERP system. The solution then translates production plans into the necessary purchasing plans for materials. Production Scheduling seamlessly integrates with New Horizon's Buyers Workbench application to provide advanced purchasing capabilities.

Rapidly Re-Plan for an Agile Supply Chain

When there are unexpected changes such as raw materials delays, production stoppages, or new demand opportunities, you will want to update your production plans. New Horizon's scalable high-performance architecture allows you to quickly run new production and procurement plans in a couple of minutes. The ability to rapidly re-plan increases supply chain responsiveness and resiliency.

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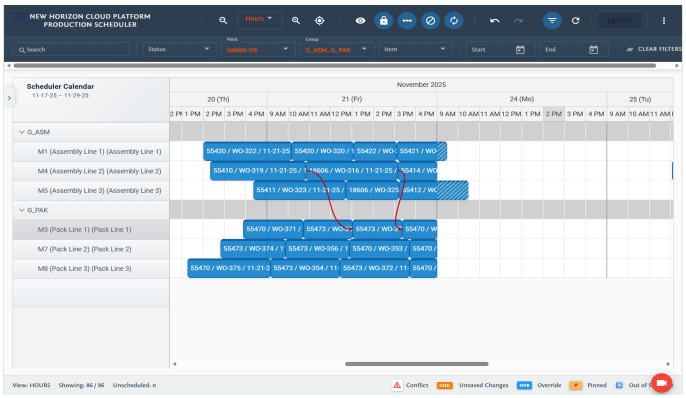
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KEY CAPABILITIES

- Automatic generation of work order and purchasing plans
- Enforcement of materials and capacity constraints
- Respect for planning calendars
- Support for minimum batch sizes
- Planning for shelf-life requirements
- Auto-approval for when planners are not available
- Management of bills of materials
- Configurable frozen planning periods
- Forecasting of product waste
- Management by exception
- Post-mortem analysis
- High-performance and scalable architecture
- Modern cloud-based solution

KEY BENEFITS

- Generate more accurate and reliable plans
- Reduce plan errors
- Increase service levels while reducing inventory
- Improve planner productivity
- Reduce spoilage and waste
- Continuously improve pro-duction planning processes
- Respond more quickly to supply chain disruptions and demand opportunities
- Lower TCO



New Horizon Production Scheduling Gantt Chart Example

Manage by Exception

Management by exception is key to efficiently planning for a large number of items and raw materials. Production Scheduling highlights exception conditions, such as low or high inventory, based on user-configurable criteria. This way, planners can quickly and easily identify what to focus on while leaving other items to be managed automatically by the softw are system.

Continuously Improve Production Process Using Post-Mortem Analysis

Even with the best plans, delays, shortfalls, and overages will occur. You will want to understand why so you can avoid similar problems in the future. Production Scheduling archives planning data daily so you have a complete record to look back on. This way you can understand what happened and why. With the resulting analysis, you can take corrective action to minimize repeat problems.

The New Horizon Suite: Planning Made Easy

Production Scheduling is just one application in New Horizon's comprehensive planning suite. The New Horizon Suite brings a more modern approach to supply chain planning software. We leverage the latest advances in AI, machine learning, and cloud technologies to offer better plans, a more intuitive user experience, and quicker, less expensive implementations. The result is superior service levels, reduced inventory, faster time to value, and lower TCO. New Horizon – Planning Made Easy ™.

To learn more:

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