

What's new in Opcenter APS 18.3

Enabling complex grouping of operations significantly improves user experience

Benefits

- Operation aggregation
- Enables complex grouping scenarios
- Offers greater support for batching of cross-order operations
- Improves material explorer user experience
- Large dataset load performance improvements
- Enhances integration with Opcenter scheduling electronics

Summary

Opcenter™ APS software is a family of production planning and scheduling products that improve the synchronization of your manufacturing processes. This gives you greater visibility and control, which enables you to increase resource utilization and on-time delivery while reducing inventory levels and waste. Opcenter APS is a highly customizable capacity planning and scheduling package. Opcenter is a part of the

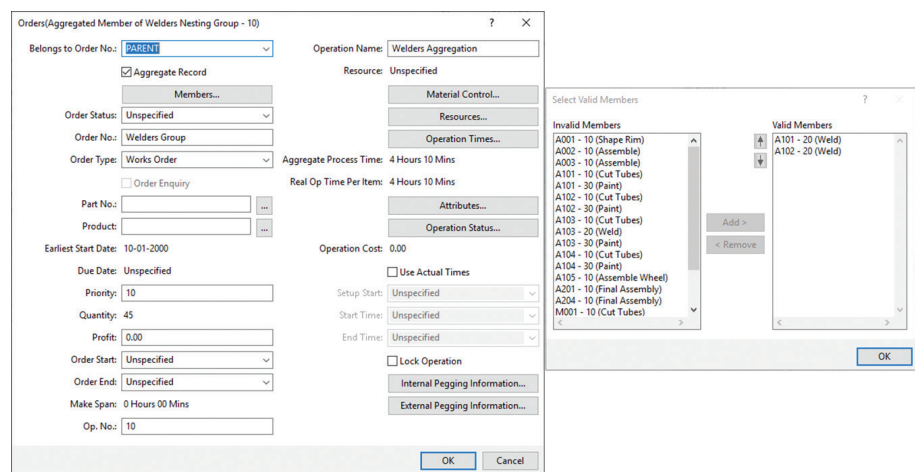
Xcelerator™ portfolio, a comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software.

Capabilities

Operation aggregation

Aggregate records in Opcenter Scheduling Ultimate

Grouping operations together to run in parallel has until now required complex data modeling using secondary constraints and scheduling rules. Opcenter Scheduling software supports the formation of a group of operations to allow a single operation to be scheduled.



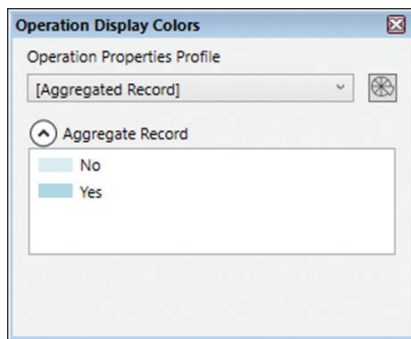
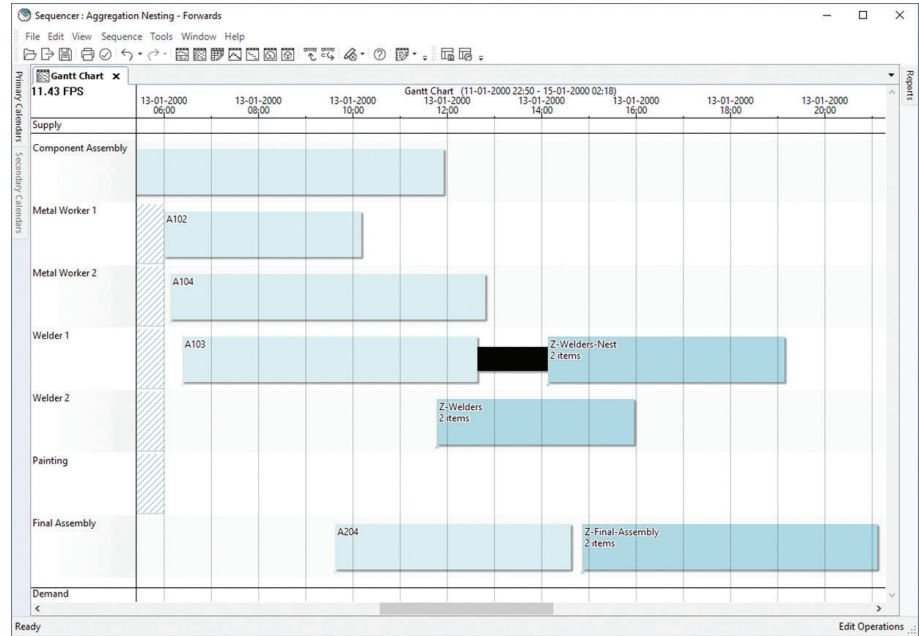
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This allows for more complex scheduling scenarios, such as grouping same-resource operations together, without changing order characteristics.

Aggregate records are made up of one or more same resource operations. These operations do not need to exist in the same order. This enables easier process modeling, which requires a group of operations to run as a single process; for example, batching together multiple works orders to load a furnace.

Aggregated record operations properties profile

To allow quick identification of aggregated records within the Gantt overview, Operations Properties have been extended to support, including the introduction of a new system profile.



Material Explorer supports the following order and link types: purchase order, stock order sales order, and identify unused materials.

Highlighting material links

The relationship links within Material Explorer have been modified to provide clear links between entities and support links highlighting for following material flow with ease.

Material Explorer user experience

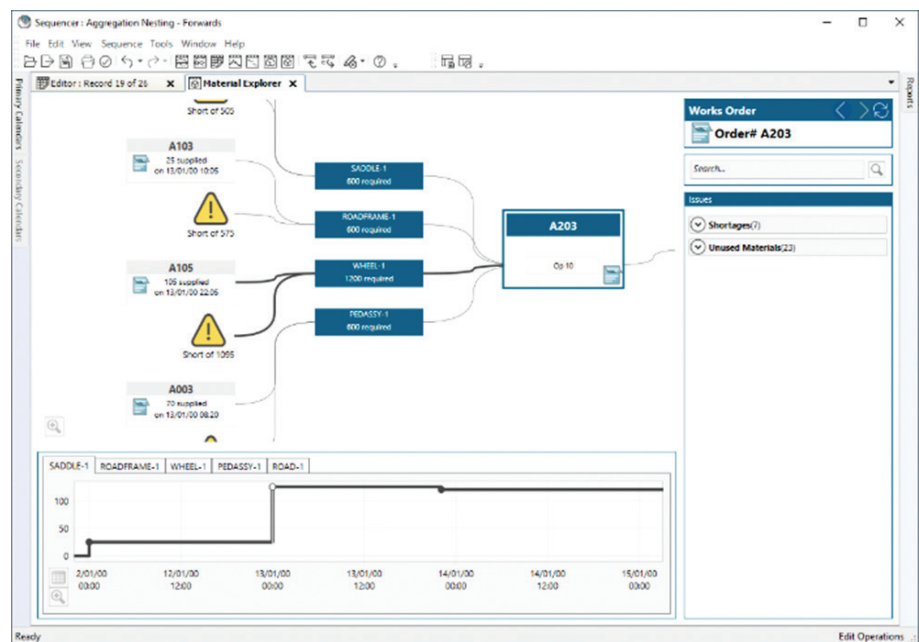
Improvements have been made to the user experience within the Material Explorer window.

These changes include:

- New supply/demand/link icons
- Link highlighting
- Restriction of order links for complex models

New Material Explorer icons

Material Explorer now has the ability to quickly identify the order type that forms a material link with the introduction of material link icons.



Restricting material links with Material Explorer

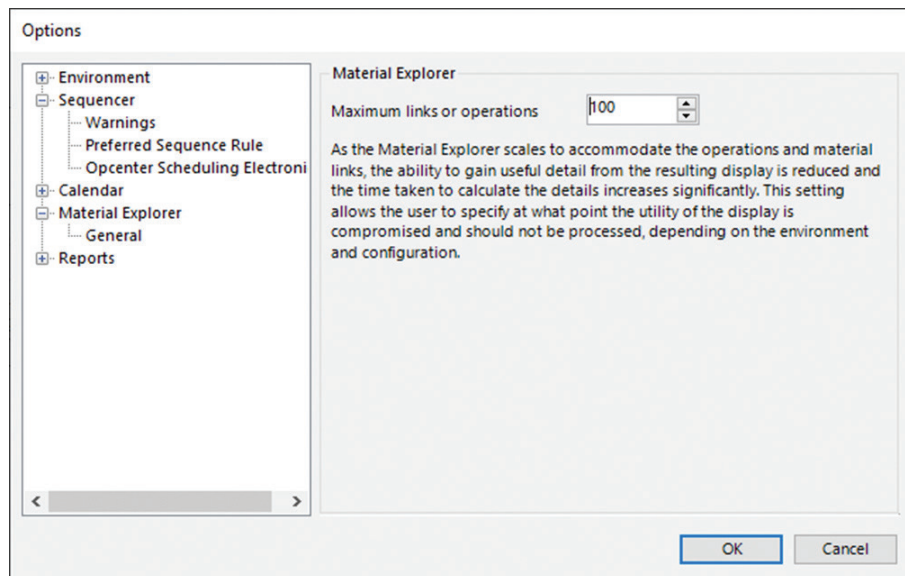
Material Explorer is a powerful feature for navigating the material flow from purchase orders through work orders and stock inventory. Complex and large material models can now be controlled, improving performance and navigation between entities.

Integration enhancements with Opcenter Scheduling Electronics

Opcenter Scheduling now supports additional surface-mount technology (SMT) operation attributes, giving the ability to pass more detailed order operation specific attributes between Opcenter Scheduling and Opcenter Scheduling Electronics. This allows more accuracy in the SMT line optimization scheduling performed within Opcenter Scheduling Electronics.

Dataset load performance

Improvements have been made to reduce the load time of data in large complex data models. In large data models, performance has improved by 35 percent.



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