

Frontier® SCOPE

Stock Configured Order Planning and Execution

Are you tired of... managing thousands of piece-part PCM work orders... not being able to leverage MRP because of cut-part processing... struggling to schedule both stock and configured products in one run... **not handling your stock product execution efficiently?**

MAXIMIZE YOUR FRONTIER INVESTMENT

- Reduce material costs, decrease lead times and increase sales through better order policies
- Improve yields through unified scheduling and optimization
- Improve process efficiencies by reducing the number of PCM work orders
- Speed product development by leveraging CADFlow design capabilities

Sometimes, stock products are the answer. Even manufacturers with highly-configured and customizable products have certain categories of parts and sub-assemblies that are best handled using traditional “batch” planning methods such as MRP and DRP. These are often high-volume/high-usage components which benefit from the economies of scale that are achieved with a planned order policy.

However, these high-volume parts often share planning, optimization, and production processes with true make-to-order configured products, which benefit from the suite of powerful configuration-centric scheduling and execution tools provided by Frontier software.

While Frontier has strong traditional MRP/DRP/ROP support for planned stock product, these stock products have not been able to be processed effectively by tools such as iSchedule, AME, and Cut Part Processing, especially when PCM products are also in the mix. **Until now...**

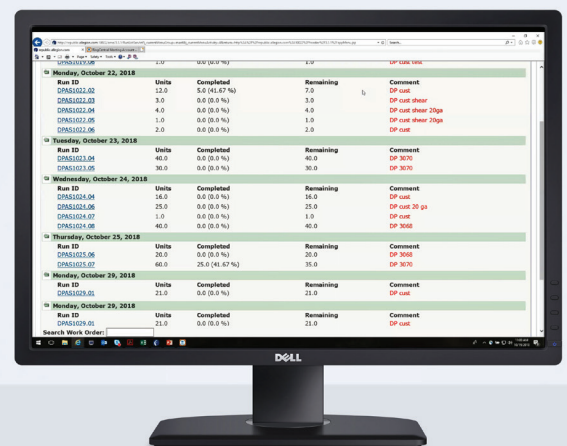
Frontier SCOPE bridges the gap. SCOPE allows you to attach any configuration data (segments and values) to any non-configured part at the product level. Just like PCM products, the configuration data for these non-configured products is carried throughout the system to work orders and purchase orders, even if those orders are generated by MRP, DRP, or ROP processing.

Benefits of SCOPE include:

- **Substantially reduce the number of discrete routings: Use Dynamic Routing logic for non-PCM parts**
Using the configuration data attached to a stock part, you can dynamically select and adjust the routing steps for non-configured products. This can substantially reduce the number of discrete routings required for non-PCM products in the system.
- **Simplify production scheduling: Use iSchedule to build optimized runs of both PCM and non-PCM products**

The configuration data for stock products is available in iSchedule, just like for PCM products. In iSchedule, you can use the same sorting/selection/break rules for a mix of both PCM and non-PCM work orders. You no longer need to do separate “MRP” runs for stock products.

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Benefits of SCOPE, continued:

- **Better material optimization using Cut Part Processing and Optimizer interfaces**

As in iSchedule, SCOPE allows the configuration data associated with non-PCM products to be output to material optimizers using Cut Part Processing and Optimizer Interfaces. Previously, the only data available to the optimizer interfaces for stock products was the part number. Now, you can include any necessary "configuration" information in your output file. You no longer need to set up external "cross-reference" tables in the optimizer to relate your stock-product number to a set of dimension and material attributes.

- **Use CADFlow to engineer and maintain stock components**

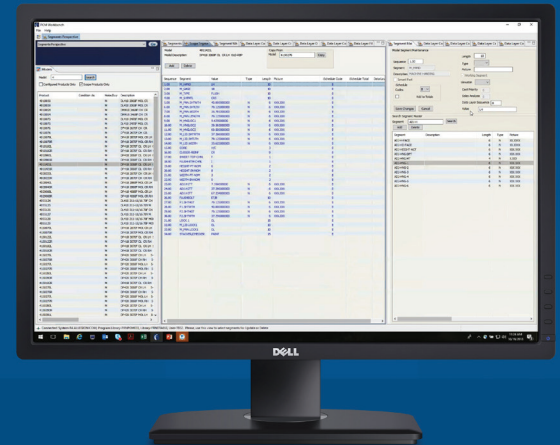
For CADFlow users, SCOPE allows your engineers to model and maintain stock components in Autodesk Inventor. Configuration data and bill of material adds and updates for stock components are applied just like they are for PCM components; you control if and when those updates may be applied.

- **Reduce the number of configured work orders**

SCOPE can allow you to reduce the number of configured work orders that you must generate and manages, especially if you have PCM models in place solely for the purposes of participating in iSchedule, Optimization, or CADFlow. The ability to associate configuration data with stock (non-PCM) parts enables MRP-planned work orders to participate in the same workflows as your PCM products.

CROSS THE "DIVIDE" BETWEEN MRP AND PCM

- Attach configuration data to non-PCM products, regardless of planning method (MRP, DRP, or ROP)
- Use dynamic routing logic for stock products
- Schedule MRP- and ROP-planned products with PCM products in a single run with iSchedule
- Optimize both PCM and stock products concurrently using *Cut Part Processing*
- Use *CADFlow* to engineer your stock components



For more information or to arrange a demo:

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