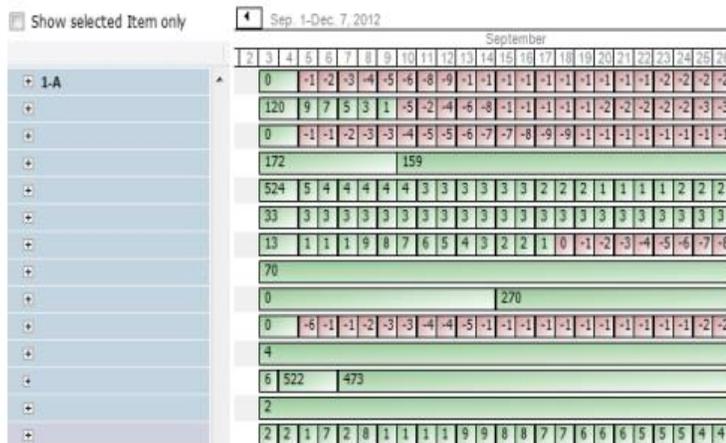


ARKIEVA

FINITE SCHEDULER

Arkieva Finite Scheduler

Production scheduling is the last step before resources are committed to production. Arkieva's Finite Scheduler is fully integrated with supply planning so that business plans can be realistically converted to production batches. The scheduler uses state-of-the-art algorithms to sequence production activities and optimize resource allocation in continuous time.



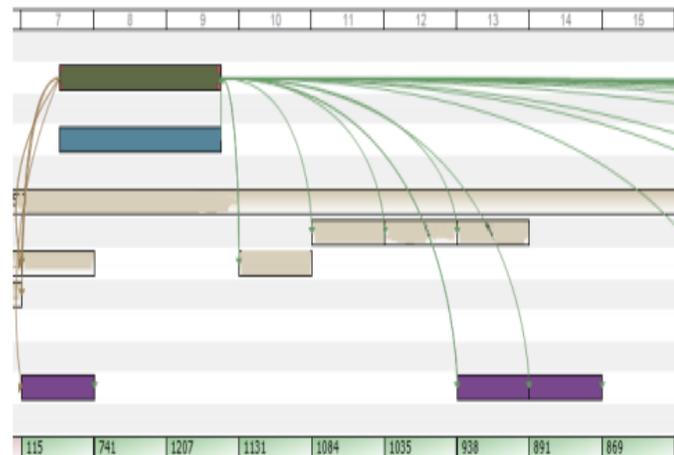
Details of all associated activities can be seen on the screen after identifying a product with inventory availability problems

Finite Scheduler User Benefits:

- // Tracking of many products and production activities
- // Increased facility utilization from improved flow of materials
- // Improved inventory position by better lot-sizing
- // Faster and more reliable production scheduling

Key Finite Scheduler Capabilities:

- // Maintain a continuous- time production schedule
- // Synchronizes activities to maintain smooth material flow
- // Facilitates the modification of the production schedule to reflect changes in production yield, equipment availability, order acquisition, etc.
- // Evaluates the impact of proposed changes in production capability (e.g. shutdown, manpower change) before committing
- // Provides alerts when transactional data about the production process diverges from the schedule
- // Provides schedule visibility to interested parties other than the scheduler, such as the production supervisor or CSR
- // Supports both process and discrete manufacturing



Schedule can be viewed and manipulated in graphical or textual mode, be generated automatically based on your customized scheduling criteria; users can optionally download Gantt Charts to Excel for print or E-mail

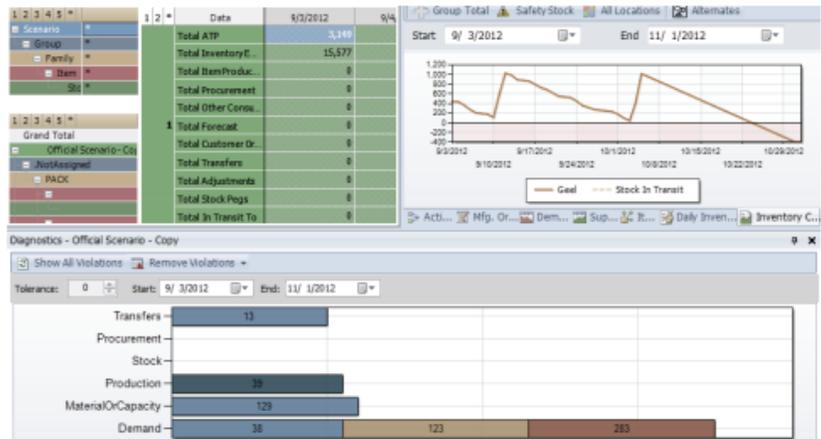
Just the Beginning

Often times the most meticulously planned production schedule will be tossed and began anew due to evolving supply chain conditions. Changing pressures and shifting priorities such as last minute requests from key customers, material availability problems, and machine breakdowns can lead to a massive loss in invested capital. And then the process begins again, with less and less optimal results.

Optimizing

The Arkieva Finite Scheduler interfaces with the Supply Planner to pull in the latest high level plan and begin to schedule it for production. By encoding rates, changeover times, and various constraints within the Finite Scheduler, it is possible to create an optimal schedule almost immediately.

By optimizing key performance indicators (customized by you for your business), the schedule can be tweaked to improve it along various dimensions. Manual adjustments can always be performed of course, either to respond to last minute emergencies, or simply to force certain activities onto the schedule.



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What-if...

Can production be increased for some SKU to fill an important order? How would the schedule change if a different resource were used for some activity? What if we stretch this, tweak that, and compress these together?

With the what-if capabilities so central to Arkieva, it is easy to answer all of these questions, compare the answers, experiment with more changes, and then revert back to the version of the schedule that balances all of the priorities most effectively.

Power, Ease of Use, and Flexibility

The Finite Scheduler, like the rest of the Arkieva suite, is designed for discrete batch or continuous manufacturing operations.

This capability makes it ideal for the many companies that, while classified as one type, have aspects of other processes in their operations. With Arkieva you get incredible power, ease of use, and the flexibility to tackle the unique problems your business faces.

Reporting

The Arkieva Finite Scheduler also offers the same powerful reporting capabilities you've seen in the other modules. Creating a new report is as easy as making a few selections and pressing a button. Add a graph, export to Excel, or simply save it for later.



Discover The Arkieva Difference

[LEARN MORE](#)

ABOUT US

Since 1993, Arkieva tools have been used in more than 200 unique applications around the globe, and most of our clients leverage Arkieva software to support collaborative planning teams in North America, Europe, and in Asia.