

# SYNCHRONIZED REQUIREMENTS PLANNER

## INVENTORY AND CAPACITY PLANNING



### ORCHESTRATE YOUR CAPACITY AND MATERIAL FLOW

DELMIA® Ortems Synchronized Requirements Planner provides the material flow and capacity synchronization system that enables Just-in-Time (JIT) demand and manufacturing integration across all Bill of Materials (BOM) levels.

Part of the DELMIA portfolio, Synchronized Requirements Planner helps manufacturers maximize inventory and manufacturing capacity with production flow constraints across multiple levels. Manufacturers are enabled with finite capacity planning that respects production constraints, the ability to avoid material shortage, and a fully synchronized production network.



### AUTOMATED ENGINEERING SOLUTION VIETNAM JSC.

Hanoi Office: Villa M10-L17, Duong Noi Urban Area, La Khe Ward, Ha Dong District, Hanoi, Vietnam

Hotline: +84-94-1246-799

Website: <http://aesvietnam.com>

HCMC Branch: R411, QTSC Building 9, Quang Trung Software City, Tan Hiep Chanh, District 12, HCMC, Vietnam

Hotline: +84-94-1246-799

Website: <http://aesvietnam.com>

## SYNCHRONIZE PURCHASE AND WORK ORDERS TO AVOID MISSING PARTS

Using a multi-level BOM approach, the Synchronized Requirements Planner accelerates flow lines by synchronizing both purchase and work orders starting from raw materials, to semi-finished, to finished products—placing constraints related to inventory and available raw materials on the schedule.

## CREATE PROVISIONAL TRACEABILITY

Synchronized Requirements Planner creates pegging links between semi-finished and finished product work orders, working with DELMIA Ortems Production Scheduler and DELMIA Ortems Manufacturing Planner to balance loads and accelerate flow lines.

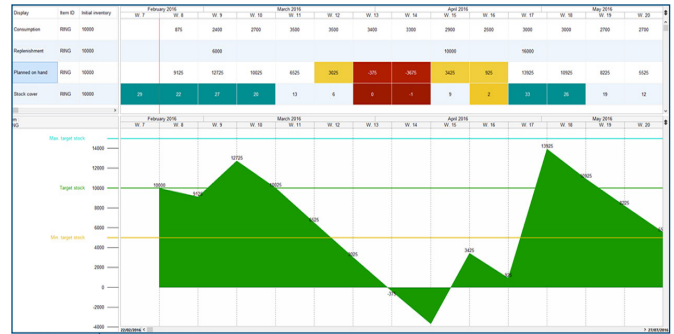
By combining with Manufacturing Planner, enable the generation of a complex production network to estimate the load and identify bottlenecks. With Production Scheduler, precisely schedule each BOM level with a reduced lead-time offset by using the provisional traceability links.

## ESSENTIAL COLLABORATION TOOLS

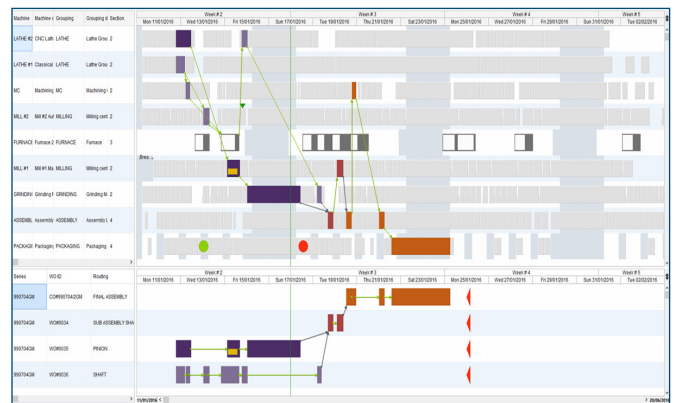
Collaborative features enable management of different Material Requirement Planning (MRP) management policies to track inventory and fine-tune capacity utilization. Planners have interactive tools that provide a consolidated view of stock alerts to help them quickly react to potential issues. They can analyze the impact of a late supply delivery on the schedule and simulate a solution that helps to minimize the delay.

## BENEFITS

- Reduce buffer inventory
- Multi-level BOM synchronization
- Calculate finite capacity requirements
- Analyze impact across manufacturing
- Synchronize materials and works
- Dynamic customer-to-supplier traceability
- Improve customer service and lead-time reliability



Planners have interactive tools that provide a consolidated view of alerts.



Create provisional traceability links between semi-finished and finished product work orders.

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