



# Demand Solutions Requirements Planning

## Optimize inventory at all locations and improve customer service? (It's counterintuitive, but it's what we do)

We hear it time and time again from prospective clients: "How can it be that our inventory is higher than ever before, and yet our best customers are screaming for product?"

No business starts with the goal of having all the wrong product in all the wrong places, but a shocking number of companies face that dilemma – due to some combination of murky supply chain visibility, reliance on inflexible systems (or ignorance of reliable systems), flawed data and sloppy procedures.



As we've demonstrated time again, it is possible to optimize your inventory. In fact, with the complete supply chain visibility and the flexible planning strategies provided by Demand Solutions Requirements Planning, it's actually fairly simple.

- **Link** demand for finished goods to the required raw materials or component parts. This will allow for changes in mixtures or yields and support the phasing in of new components.
- **Establish** order parameters such as the Minimum Order Quantity and Lead Time for each product in each location. Set alerts for replenishment actions - in the form of Planned Orders - to meet your Inventory Objectives.
- **Reduce** or build inventory or even vary customer service levels throughout the year with Requirements Planning's Time-phased safety stock and safety time.
- **Manage** by exception with action messages. You determine which items require immediate attention.
- **Apply** different inventory strategies to individual distribution centers or customer locations. Demand Solutions Requirements Planning keeps your planning fresh by responding to continual updates of such critical information as your current inventory balances, your customer orders and all scheduled receipts, i.e. in-transit quantities.
- **Follow** forecasts automatically and develop demand patterns accordingly with Demand Solutions Requirements Planning - unlike many standard replenishment or ERP systems that use simple auto-reorder functionality.

An effective planning process requires a high degree of discipline – in data standards, in planning and execution strategies and in daily, weekly and monthly procedures. With our flexible Requirements Planning system as the backbone of a disciplined planning process, we can help you quickly bring your inventory in balance to help meet the needs of even your most demanding customers. Our global Demand Solutions team can help you develop a reliable and repeatable process as well as provide you with dependable software tools.

## DEMAND SOLUTIONS

### CORPORATE OFFICE

St. Louis, MO, USA

Ph: +1.314.991.7100

Fax: +1.314.991.7111

info@demandsolutions.com

### SKYPE

DS.DMI.SKYPE

[www.demandsolutions.com](http://www.demandsolutions.com)

## Manage What Matters

Some items are more profitable than others. Some customers are frankly more important than others. Demand Solutions enables you to automatically assign ABC Codes to objectively quantify the relative importance of each item and each customer in order to optimize inventory levels. Inventory strategies can then be managed (and selectively tweaked) by ABC Code.

## Don't Let Constraints Restrict Your Performance

Most planning systems are rigid and inflexible. The real world is anything but. Demand Solutions Requirements Planning takes constraints such as production and shipping capacities, seasonality, material shortages and allocations, manpower, warehouse space, etc. into consideration in its planning calculations.

The Order Consolidation feature lets you proactively manage production capacity constraints in units, production hours or any other unit of measure. This same feature can be used to build container-load or truck-load shipments in your choice of weight, cube, cost or any user-defined equivalent unit of measure.

## I Can See For Miles And Miles

Demand Solutions provides a panoramic view of even the most complex supply chains. As your planning data and planning strategies change and ripple throughout your supply chain, you can quickly evaluate and execute new plans of action. A number of companies use Requirements Planning as a multi-purpose tool – applying the system's planning logic to their finished goods and raw materials planning as well as to their distribution plans. Demand Solutions is a quick-response planning and scheduling tool that helps you achieve your company's financial objectives by translating your forecasts and inventory strategies into a dynamic time-phased replenishment program.

## Try Before You Buy—Simulate Your Plans With Demand Solutions

What if...

- ...we reduce the Safety Time targets on our A & B items?
- ...we increase minimum order quantities on all items shipped to the West Coast?
- ...we consolidate three distribution centers into two?
- ...our key supplier shuts down for Chinese New Year
- ...we accept that 37% forecast increase next month?

Requirements Planning provides informed responses to your dynamic challenges by enabling you to simulate a variety of different planning scenarios before you commit to a plan. And the system is fast! It lets you simulate the impact of different demand and supply strategies in just a matter of minutes.

## Minimize The Uncertainties That Result From Long Lead Times

Please don't tell anyone that we told you this, but all forecasts – even our forecasts – are wrong to some degree. With offshore manufacturing and the associated long lead times a fact of life, the implications of uncertainty are more critical than ever before.

Part of the magic of Demand Solutions is that our system constantly responds to the dynamics of your business. If a product oversells its forecast this week, Requirements Planning will automatically increase the next period's planned orders. Demand Solutions includes in-transit and in-process goods in its planning calculations, and will selectively suggest schedule changes in response to market changes. You can rely on Requirements Planning's dynamic Safety Time functionality to automatically build (and, when appropriate, reduce) inventories for seasonal items.