



Production

## NAVISION AXAPTA®

### Master Planning Overview

- Master planning - Forecast scheduling
- Gross requirements
- Master scheduling
- Net requirements
- Planned purchase and production orders
- Action messages
- Futures messages
- Time fence control
- Coverage per warehouse
- Season-controlled safety stock
- Simulation plans

## Master Planning

### Presenting the Navision Axapta Master Planning Solution

The Master Planning solution in Navision Axapta is designed to handle long and short-term demands for products and capacity for any company. It relies on data provided by the Navision Axapta Trade, Logistics, Projects, Work Centers and Production Series.

The Master Planning solution provides advanced, yet essential capabilities when it comes to optimizing the product flow from suppliers, through productions to customers, and thereby minimizes inventory-carrying cost and improves the reliability of delivery information for your customers.

Key capabilities provided by the Master Planning module are describe in this fact sheet.

### *Part of an integrated enterprise solution*

Companies can benefit from the fact that the Master Planning solution relies on the foundation of the Trade, Logistics, Projects, and Work Centers Series. When combined with the Production Series, companies are able to use the Master Planning module to leverage the full benefit of Navision Axapta's comprehensive production management capabilities.



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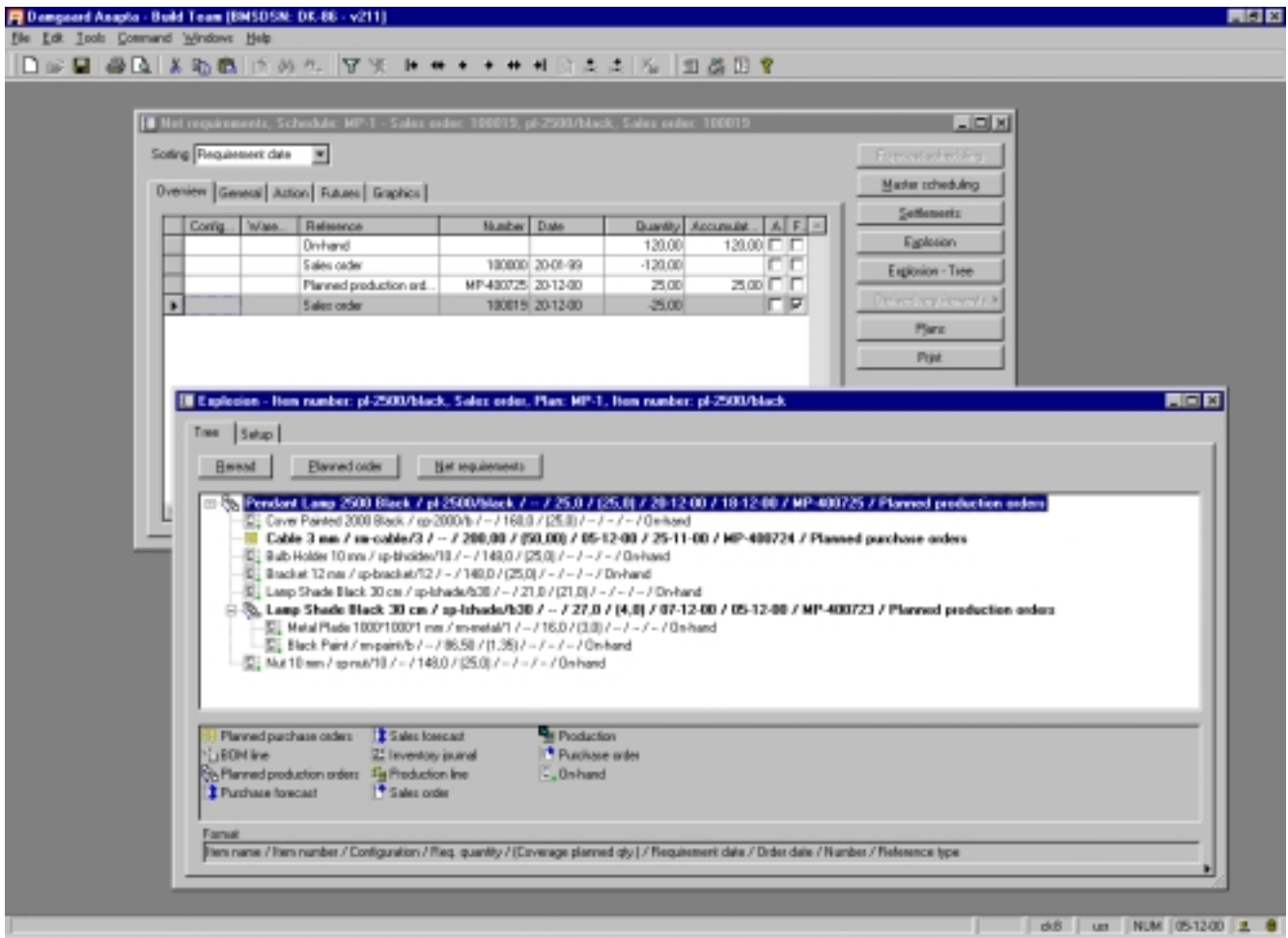


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## Advanced capabilities for materials and capacity planning

Whether your business is make-to-stock, make-to-order, or a combination of the two, the Navision Axapta Master Planning solution has all the

The Master Planning system allows you to continually track, evaluate and re-plan based on changing demand for materials and capacity, variables that directly affect your bottom line in terms of inventory carrying costs, idle work center time, and so on.



Bill of Materials can be exploded into component parts to calculate dependent demand.

functionality your company needs to minimize lead times, control processing costs, and ensure maximum on-time deliveries. It supplies you with a detailed overview of inventory that, in turn, provides you with all the information you need to make the best decisions on purchasing or producing the right products at the right time.

## Key features that provide you with a competitive advantage

### Master Planning – Forecast Scheduling

Master Planning in Navision Axapta begins with Forecast Scheduling. In the Forecast Scheduling

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section, you can use product forecasts to project long-term needs for materials and capacity, giving you the ability to foresee fluctuations in demand and adjust your plans accordingly.

The Master Planning solution allows you to simulate different product sales scenarios to obtain the most reliable views of gross demand, which gives you a basis for negotiating better agreements with subcontractors, and for fine-tuning production capacity.

Additionally, with your ability to forecast more accurate and timely plans, you eliminate the need to stockpile inventory, while maintaining high standards in customer service with regards to meeting delivery demands.

### ***Master scheduling***

While forecast scheduling deals with long-term projections, master scheduling analyzes your current material and capacity requirements. Master scheduling in Navision Axapta efficiently matches available capacity with demand based on current orders, productions, purchases and inventory: a process that significantly streamlines the flow of materials through your company.

Navision Axapta's high degree of integration allows you to include input from the forecast schedule in the master scheduling process. The resulting net requirements give a clear picture of purchase and production requirements based on current and forecasted sales, an excellent tool for fulfilling managerial decision-making needs.

### ***Planned purchase and production orders***

Master scheduling generates planned orders for subsequent approval, according to your buyer and production planner's criteria. You have the flexibility to set up your system so that planned orders propose futures and action messages, which enable your company to better manage inventory carrying costs.

### ***Futures and Action messages***

Futures messages in the Master Planning solution compute the consequences to your company if raw materials cannot be supplied by the specified date. The system passes the delays on to sales orders, which gives you the power and flexibility to update delivery information to customers, select an alternative supplier, or reschedule.

Action messages are valuable for optimal scheduling and, as a result, saving you money. They consider everything that is taking place within a period of time, and propose synergistic changes to purchase and production orders. If, for example, the delivery date of a sales order is extended to a later date, Navision Axapta's unique action setting feature will propose that linked purchase and production orders be postponed as well, which minimizes your inventory carrying cost.

### ***Time fence control***

Time fences are guidelines that give your system the power to help you effectively manage your business, and reduce the amount of time spent in performing routine tasks.

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The Navision Axapta Master Planning solution has a wide range of time fence controls. You can set up time fences to avoid running out of inventory, automatically create purchase and production orders from planned orders, explode BOMs into component parts to calculate dependent demand, calculate capacity requirements, and other smart controls.

You can also lock short-term planned orders to prevent the system from responding to fluctuations for a less nervous system that functions smoothly and efficiently for the “freeze” period.

### ***Coverage per warehouse***

Navision Axapta can operate with any number of warehouses. You can set up each warehouse with individual parameters to ensure the right levels of safety stock, and service at different locations.

### ***Season controlled safety stock***

Seasonal deviation in product sales can easily be taken into consideration when master scheduling fulfills safety stock requirements. This, too, gives you a greater ability to manage your inventory, which leads to the elimination of unnecessary on-hand inventory.

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