



Production

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Production I Overview

- Productions
- Production groups and pools
- Split productions
- Bills of material
- Negative item consumption
- Measurement formulas
- Constant and variable waste
- Phantom items
- Sub-productions
- Sub-purchase orders
- Material cost estimation
- Rough material scheduling
- Forward and backward scheduling
- Scheduling with raw material lead time consideration
- Production startup
- Manual and automatic material consumption
- Production report as finished
- Automatic material backflushing
- Historical costing for productions
- Subcontractor monitoring
- Production overviews
- Ledger posting of WIP and finished goods
- Print picking lists, WIPs, cost estimations, and more



Production I

Presenting the Navision Axapta Production I Solution

Navision Axapta's Production Series offers everything that a make-to-stock or make-to-order production company needs to effectively manage production, inventory and the flow of goods.

Companies can operate on either a "push" or "pull" basis. Using the production series, all manufacturers are given the tools required to better manage the flow of products from suppliers to customers.

The production Series is divided into the following three modules:

- Production I – includes basic production functionality for handling the material flow from suppliers, through production, to customers.
- Production II – an extension of Production I with routes, operations and rough capacity planning.
- Production III – a further extension of the Production Series, which includes job management, and detailed production scheduling.

With this functionality segmentation, you can build your production system according to the level of your company's production process requirements.

Part of an integrated enterprise solution

When all three modules are combined with the Work Center Series, companies can leverage the full benefit of Navision Axapta's comprehensive production management capabilities. Additionally, companies benefit from the fact that the Production Series

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expands on the foundation of the Financial, Trade, Logistics, Master planning and Work Center functionality.

Major advantages for make-to-stock and make-to-order production enterprises

Whether your business employs a make-to-stock, or make-to-order production methodology, or a combination of the two, the Navision Axapta Production solution has the essential tools and functionality you need to effectively monitor and control the production process.

Make-to-stock production enterprises

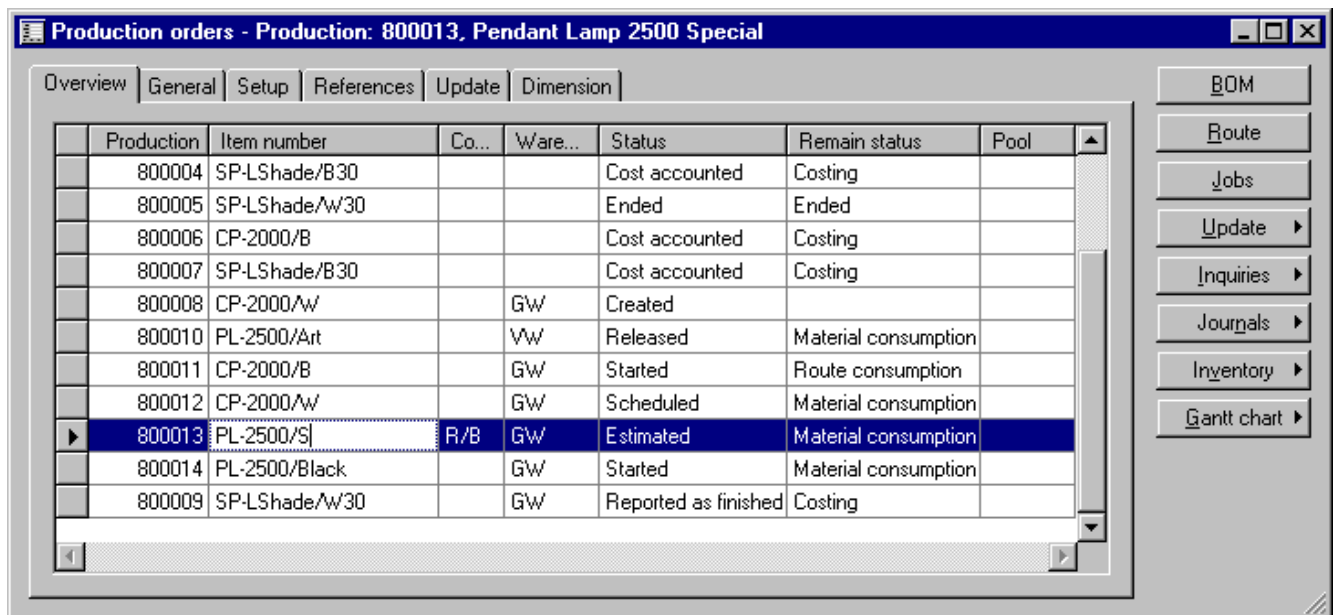
Since inventory storage represents a high, non-value-added cost, the Production and Master Planning Series give make-to-stock production enterprises a significant competitive advantage in their ability to manage stock.

The master scheduling features allow you to optimize on-hand inventory and planned delivery. Additionally, you can quickly find out if a particular item for a customer – or for a production – is in stock, or when it will be. The result is higher customer satisfaction, and shorter lead times.

Make-to-order production businesses

The Production Series also gives make-to-order production businesses the ability to efficiently manage order entry, production and purchasing according to customer needs. As soon as an order is received, you can determine a delivery date, since the system automatically takes available material and capacity into account.

Using the configuration tool, you can fulfill special product requirements, and calculate cost prices immediately. With all of this real-time information availability, and instant calculations, you can give your



Production orders – all information in one screen, nicely arranged in tab-pages.

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customer the most accurate price and delivery date information possible.

Key functions that provide you with a competitive advantage

The Navision Axapta Production Series offers many powerful functions and features for all types of manufacturing enterprises. Here are some of the key functions in the Production I solution.

Production table

The Production table contains information on planned productions, quantities to be produced, start times for productions, delivery dates for finished goods, and much more.

Productions can be divided into groups or pools, and quantities can be split in running productions so that part of the order is produced in another period.

The Production table is the central element in the Navision Axapta Production Series, providing you with all the information you need to manage your productions. Overview your productions, gather information for sound decision making, or make changes to productions as needed, all in one place.

Production bills of material

Productions can be created for individual bill of material (BOM) versions. The Production I solution handles all of the standard BOM functionality, such as phantom expansion of sub-BOMs, measurement consumption formulas, constant and variable waste, and so on. It also handles negative item requirements, which gives you the possibility of having more than one finished item coming out of production.

You can set up the Production I solution so that the system automatically creates derived sub-productions and purchase orders, which drastically reduces manual work.

Production cost estimation and rough scheduling

In the Navision Axapta solution, material consumption can be cost estimated, and rough scheduling can be done using raw material lead times from the Item table. You also have the flexibility to schedule productions forward or backward from any date that you choose.

The most accurate dates for scheduling productions are based on a total picture of everything going on in your company. With Production I, you can customize your planning setup to alert you to situations that will interfere with your production, and propose dates in the future by which the production can be completed with the given constraints.

These future messages and dates, derived from the master plan when determining start and end dates for production, help guide you towards a more accurate and efficient scheduling process.

Production startup

The system's flexibility can also be seen in the production startup possibilities. You can start a production, or any part it, in a standard, forward manner (for example, quantity 100), or have a reverse startup (for example, with a quantity of negative 100).

Material consumption can be drawn automatically or entered manually, depending on your setup.

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Documents, like the Pick list, for example, can be printed including reserved serial numbers.

Production report as finished

Productions can be reported as finished with the details of individual batch numbers, if needed, and you can backflush material consumption according to the finished quantity. In both the startup and reports as finished functions, WIP can be posted in the general ledger automatically.

Production historical costing

Depending on your accounting needs, you can also update and post historical cost information for productions to the general ledger automatically. Comparisons between cost estimations and historical costs can be done, which allow you to modify standard BOMs with updated consumption information from real productions, giving you better cost estimates in the future, and tighter accounting controls.

Subcontracting enterprises

If your business uses subcontractors, the Axapta solution facilitates efficient subcontractor monitoring, just as you would monitor any other resource. You can manage expenses associated with subcontractors

in the purchase module, and use the planning facilities to monitor subcontracted work with ease.

Management overview

Using the Navision Axapta Production Series, you can extract data from anywhere in your entire production system. This puts important managerial decision making information right at your fingertips, a strong advantage in the production environment where lost time is lost money. For example, you can identify a potential shortage in advance and make an alternate plan of action. Additionally, you can have a simplified overview of even the most complex production processes, providing you with high-level information that is easily accessible.

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