



Production

NAVISION AXAPTA®

Production III Overview

- Detail capacity scheduling
- Gantt scheduling
- Task group scheduling
- Sequence scheduling
- Bottleneck scheduling
- Job control & monitoring
- Job progress reporting
- Automatic selection of shortest lead time
- Print work center job lists
- Work center functionality – task groups, properties, job list per work center, and more

Production III

Presenting the Navision Axapta Production III Solution

Designed for companies that use make-to-stock and/or make-to-order production, the Production III solution builds on the capabilities provided by the Navision Axapta production II solution.

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 functionality, companies can leverage the full benefit of Navision Axapta's comprehensive production management capabilities. Additionally, companies benefit from the fact that the Production Series expands on the foundation of the Financial, Trade, Logistics, Master planning and Work Center functionality.

The Work Centers functionality is a contained in the

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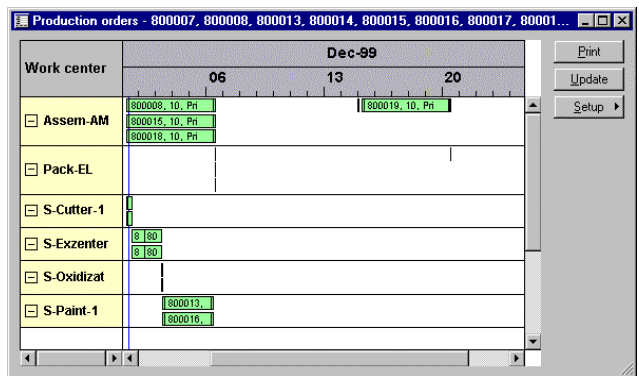




Production

Resource module, and supports Production I and II as well as the Project module. This means resources are shared between the Production and Project series, which prevents double booking of resources when scheduling. Production III requires Production II.

Key functions that provide you with a competitive advantage



Production III has advanced Gantt planning functionality.

Detailed capacity scheduling

The Navision Axapta Production III solution has sophisticated detailed capacity scheduling functionality. Operations on the production route are divided into jobs, one for each work center and time requirement. You can schedule productions either forward or backward, as needed, and take finite or infinite capacity into consideration when scheduling jobs for a production.

For a higher degree of efficiency in your scheduling, you can do preliminary scheduling based on infinite capacity to assess the work center requirements for a production, and then follow it with secondary scheduling using finite capacity to observe the

consequences of limiting work center availability. The result is a thorough, and more reliable detailed scheduling of capacity.

Another smart feature of the detailed capacity scheduling is the system's ability to determine the "best fit" between a work center and a specific job. When a job is linked to a work center group, the system evaluates all work centers in the group and automatically selects the one that gives the shortest lead-time.

Task groups, which are a collection of work centers from different work center groups, can also be used when the planning system needs to find best way to produce a specific item. Task groups allow for the most efficient scheduling of alternate work centers based on the requirements you select, for example the skill level of an employee, or a machine's capacity. With this advanced feature, you have the option of selecting the "next best" alternate resource for a production, rather than waste valuable time waiting for the availability of a particular work center.

Navision Axapta's detailed scheduling function provides you with very accurate work center plans that tell you exactly what all employees should be doing, and when they should do it.

Sequence and bottleneck scheduling

The scheduling functionality includes advanced facilities for sequence and bottleneck scheduling, a great tool for your company that reduces setup times, and makes tight, controlled plans on the bottleneck.

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Gantt planning

The Production III series includes advanced Gantt planning functionality. With this, you can easily assess the consequences of staff rotations visually, via the graphic tool in a simple and timesaving way. You can define your Gantt plans and envision the production flow from one machine to another.

Job monitoring

The Production III series offers detailed job monitoring, giving you a clear overview of an individual worker's activities during the course of the day.

Equally important, job monitoring is an efficient managerial tool that enables you to assess whether you are adhering to production schedules.

Work center functionality for Production III

The Navision Axapta Work Center Series gives you the ability to define, maintain and monitor work centers, or resources.

The following describes key functionality in the Work Center solution for the Production II Series.

Task groups

Using the Work Center Series, in conjunction with the Production III solution, gives you the ability to create cross-group links between resources that can handle the same task. This is particular used to find best resource that gives you the shortest lead-time to complete a task.

Properties

The use of properties is an advanced scheduling feature in the Production III solution, which makes it possible to ensure that jobs that require the same work center setup are scheduled back-to-back. This results in much greater efficiency, since one work center setup is being used for multiple productions. You can save hours in setup and takedown time.

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