

# Manufacturing Foundation

## Microsoft Dynamics NAV

### MANUFACTURING FOUNDATION

**Manufacturing Foundation in Microsoft Dynamics™ NAV helps your company stand out from the competition by providing the adaptability you need to respond quickly to your customer's changing demands.**

#### Key Benefits:

- **Gain the adaptability to take advantage of new revenue opportunities.**
- **Provide more responsive customer service.**
- **Improve business performance continually – from the shop floor to your bottom line.**

#### Visibility You Can Trust

By continually providing clear, concise production information, Manufacturing Foundation in Microsoft Dynamics NAV gives you visibility that is both trustworthy and timely.

Manufacturing Foundation provides core production planning capabilities inspired by the day-to-day needs of modern small and lower mid-market manufacturing organizations.

These features are accessed from the main menu and can be accessed by all relevant parties, not just those responsible for order planning and production scheduling. For example, a sales manager can access the functionality to advise a customer on the availability of a product or check the production status of urgent orders.

#### Adapt to Take Advantage of New Revenue Opportunities

Manufacturing Foundation adapts Microsoft Dynamics NAV, formerly Microsoft® Business Solutions–Navision®, to suit the way you work today. A step beyond manual planning, Manufacturing Foundation is designed for the production manager who wants a simple overview of the production process while avoiding the complexity and expense of full Material Resource Planning (MRP).

The Manual Planning feature is a simple supply planning tool that functions as a manual MRP system, where you make planning decisions on an order-by-order basis. An alternative to printed production schedules, Manufacturing Foundation pushes core information to your desk top, allowing you to adapt your manufacturing methods and processes quickly and confidently.

The Order Planning window displays all new demand alongside information on availability and suggestions for alternative supply options. It provides the visibility and tools needed to manually plan for demand from both sales lines and component lines and then create different types of supply orders directly. You have the functionality to supply from alternative sources, to easily create different supply orders, and to quickly recalculate new demand.

The presence of multiple demand lines in the Order Planning window means you can consolidate planning based on the overview provided. For example, in case of multiple demand lines for identical items with the same demand date, you can overview the total required quantity of several lines and consolidate them into one supply order.

Manual planning functions also include: 'Change supply-type on the fly,' 'Transfer from other locations,' 'Supply with a substitute item,' and 'See arrival date of inbound supply.'

### **Provide More Responsive Customer Service**

The ability to respond quickly to your customer's rapidly changing demands is what differentiates you from your competitors.

Manufacturing Foundation allows you to constantly adapt your manufacturing methods and processes to reflect changing customer requirements.

You get a clear and accurate overview of your production schedules in Gantt charts. When a customer calls with an extra order, instead of sorting through tables or print outs of various production lines, you can immediately get a clear graphical overview on screen and adapt your schedule to meet the new demand.

The Production Schedule window, a GUI interface that is fully integrated with Microsoft Dynamics NAV, uses 'drag and drop' functionality to reschedule operations. Changes initiated in this manner are reflected in the relevant production order data.

The graphical overview can be accessed by simply clicking on a production order, and it can be used by any employee who needs to have access, such as a sales manager who wants to check the progress of production in relation to a specific customer's order. You can also use it to give a customer an immediate update on the progress of his latest orders or to advise him on the availability of a particular product. However, only authorized users can modify schedules.

### **Continually Improve Business Performance – from Shop Floor to Bottom Line**

Production Reporting improves your ability to monitor consumption and optimize material usage by combining the functions of the consumption journal and the output journal into a single production journal. This means you can post both consumption and output data from the context of a production order as opposed to batch journals.

Because consumption data is handled with output data, you can display linked components and operations in a logical way, with components indented under their respective operation. Quantities and times already recorded for the production order line are displayed at the bottom of the journal as actual entries.

The Flushing Method Filter field, located at the top of the journal, allows you to view consumption and output that is posted automatically, or 'flushed.'

For more information about Manufacturing Foundation in Microsoft Dynamics NAV, visit: [www.microsoft.com/dynamics/nav](http://www.microsoft.com/dynamics/nav)

## DATA SUMMARY SHEET

Key Features	Description
Manual Planning	A simple supply planning tool that functions as a manual MRP system. Manual Planning pushes core information to your desk top, allowing you to adapt your manufacturing methods and processes quickly and confidently.
Graphical Scheduling	The Production Schedule window, a GUI interface that is fully integrated with Microsoft Dynamics NAV, gives you an overview of production schedules and uses 'drag and drop' functionality to reschedule operations.
Direct Production Reporting	The functions of the consumption journal and the output journal are combined into a single production journal.

### System Requirements

To obtain all of the features mentioned in this fact sheet, the following modules and technologies are required:	Microsoft Dynamics NAV 4.0 Basic Manufacturing – Production Orders (granule 5410) Basic Manufacturing – Production BOM (granule 5420) Capacity Planning – Basic (granule 6010) Capacity Planning – Production Schedule (granule 6040)
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