Manufacturing in Dynamics NAV ERP

Dynamics Consultants are experts in Manufacturing, utilising Microsoft Dynamics® NAV with a full range of tools.

- Simplify Manufacturing Processes
- The Dynamics NAV solution provides a range of benefits
- Improve Your Bottom Line
- Manage Products and Resources
- Increased Operational Efficiency
Microsoft Dynamics NAV has a full suite of tools to allow you to manage your manufacturing requirements

Production Bill of Materials (BOM)
Create a bill of materials and calculate standard costs from item records. Fully integrated with the finance modules, a BOM will automatically bring in the updated price to quotes and invoices based on the individual items, as well as update the stock levels.

Production Order Management
- Create and manage production orders, posting consumption and output against the production orders
- Calculate net requirements based on the production order
- Manual supply planning tool and automatic planning available
- The order planning window provides the visibility and tools you need to plan for demand from sales lines

Agile Manufacturing
Respond quickly to customer requirements and market changes, while controlling the costs and quality by utilising the Agile Manufacturing, Supply Planning and Capacity Planning modules. With version management you can create and manage different versions of the manufacturing Bill of Materials (BOM) and routings.

Tel: +44 (0) 2380 982283 E-mail: enquiries@d-c.co.uk
Supply Chain Planning (SCP)

Fulfil the requirements of your demand by managing the supply chain, automating the creation of documents such as purchase orders (PO) and transfer orders (TO)

Basic Supply Planning

Material requirements planning has never been easier with this module including:

- Support for master production scheduling
- Materials requirements planning
- Automatic production orders, purchase orders and transfer orders
- Action messages for supply and demand
- Bucket-less and bucketed material requirements planning
- Item level reordering policy, including internal or third party manufacture

Demand Forecasting

Easily manage demand forecasting based on items and sales forecasts for products and components in a more convenient way (daily, monthly, quarterly). This data allows the system to plan and create production and purchase orders taking into consideration the demand forecast together with the level of available inventory and parameters of requirement planning.
Capacity Requirements Production Planning

Meet customer requirements whilst adapting to changing demands using a range of capacity planning tools and simplify the process of production planning.

Basic Capacity Planning
Set up work and machine centres with routings to detail the manufacturing process.

The system allows you to set up routings and use them on productions orders and in master production scheduling, as well as viewing loads and task lists for the work and machine centres to determine whether they are overloaded.

Finite Loading
Manage finite loading of capacity-constrained resources to prevent overloading, in definable limits for a given time period.

Used in conjunction with Order Promising, finite loading can calculate capable-to-promise (CTP) figures.

Work and Machine Centres
Work Centres are made up of a consolidation of detailed work centres. This allows you to plan/manage capacity, both at detailed and high levels. This functionality allows you to store default information such as setup time and scrap percentage.
Graphical Production Scheduling

Fully optimise the work load with constraint-based finite-capacity scheduling using the fully integrated automatic production scheduler.

Load balancing optimization with a list of useable work or machine centres combined with graphical and interactive schedules allow you to plan your production scheduling quickly and efficiently, whilst maintaining a high level of flexibility.

Configurable visual markers allow you to fully visualise the workload. To find out more see the Production Scheduler page.
Quality Management

High levels of quality control to help meet ISO9001 regulations

Assess and record quality metrics with the fully integrated quality management module

With a full range of features, this solution allows your business to turn your quality management procedures from just another task to a selling point for the company:

- Quality samples in purchasing, production, assembly. Determine a sample size and inspect sample as per specification
- Register issues from a project or customer complaint
- Flexible quality sample size allows tailoring to your business requirement
- Define a measurement on any table to tailor check sheets to your business process
- Automatically determine sample size. Calculation based on the Acceptable Quality Levels (AQL) method where the results of the sample inspection is applied to the complete lot
- User definable check sheets. Create Questions and Answers to be completed at measurement time. Set target values to determine Accepted or Rejected
- Quality management lets you track and report on critical data from the samples you take in receiving or at other process steps to quantify the level of quality your vendors deliver

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The Integrated Solution

Integrate your business to improve productivity and efficiency

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Save time and achieve more with an integrated system that automates tasks so you can concentrate on making important business decisions.

Manage your business with Microsoft Dynamics NAV

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With Dynamics NAV ERP at the core, you can run all of your company with one seamless system. With modules to cover every area of the business, all linked into the core financial management, the time you save with data entry can be used to analyse business activity and make strategic decisions for the future. Modules include Financials, Sales and Purchase Order Processing, Project Management (Jobs), Service Management, Warehouse Management, CRM and Manufacturing.

Sell more by selling online

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e-Commerce is a vital way of selling to both businesses and consumers in the modern marketplace. We provide both off the shelf and bespoke solutions; using the nopCommerce platform you can have a professional web shop quickly and affordably. If you have existing e-Commerce platforms, such as Magento, our specialist team of web developers will work with you to integrate your platforms.

Collaborate better and improve productivity

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With a range of productivity tools, Office 365 with documents stored in SharePoint Online allows staff to work more efficiently and collaborate better.

On Premise or Host in the Cloud

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Host on premise or in the cloud. We offer Azure, Microsoft’s secure cloud Hosting solution that allows your data to be securely accessed anywhere in the world. Leading the way with global data security, this solution provides both peace of mind and the flexibility to grow.

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Dynamics Consultants are experts in business management software, from ERP solutions to e-Commerce websites. Approved as Microsoft Enterprise Resource Planning & nopCommerce partners, we provide consultancy, implementation, support, training and development services.

With manufacturing and warehousing experts on our team, we work with small and growing businesses to larger companies with a full range of business requirements. Using some of the best tools on the market, we can help automate tasks so that you can spend time making strategic business decisions.

If you would like to find out more about how Dynamics Consultants can help with tailoring a Manufacturing Management System for your business, please contact us and speak to one of our qualified and experience team.

Tel: +44 (0) 2380 982283
Email: enquiries@d-c.co.uk
Web: www.dynamics-consultants.co.uk
Twitter: @NavConsultants
YouTube: www.youtube.com/user/DynamicsConsultants
Facebook: www.facebook.com/dynamicsconsultants

Dynamics Consultants
40 Locks Heath Centre
Centre Way
Locks Heath
Southampton
Hampshire
SO31 6DX
UK