Microsoft® Navision Axapta®

Microsoft Navision Axapta Logistics optimizes inventory handling, enhances collaboration and reduces costs.

Key Benefits:

- Superior control and monitoring of inventory flow (up-to-date, online inventory overview)
- Connect sales, purchasing, manufacturing and transport
- Reduce inventory and unnecessary costs

Key Features:

- Inventory, purchase and sales forecasting
- Track batch and serial numbers throughout Navision Axapta
- Unlimited levels for bills of materials (BOM)
- Full graphical suite for designing and maintaining BOM using drag-and-drop technology
- Multiple versions of the same BOM
- Multiple item dimensions
- Product configurator
- Barcode support

Microsoft Navision Axapta Logistics

Microsoft Navision Axapta Logistics provides the functionality required to connect purchasing with production, customer demand and inventory. It is for businesses looking for a high degree of synergy between logistics and other key areas of the business, including Warehouse Management, Finance, Trade and Production.

Efficiency

Any information entered into Axapta Logistics is automatically updated throughout Axapta. As a result, up-to-date reports can be generated from anywhere in the system at any time. An audit trail is automatically assigned to every ledger transaction, allowing you to trace all related entries or vouchers throughout the system.

This helps with activities such as invoicing, for example, by creating relevant entries at all transaction locations. The audit trail makes it simple to trace transactions in Axapta Financials and to see the entries generated by the transactions in Accounts Receivable and Inventory. Your trace can start in General Ledger, Accounts Receivable or Inventory and display or reprint original documents regardless of where your search was initiated.

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Dimension tracking

The unique dimension tracking in Axapta makes it easy to separate the accounts for divisions and departments. All transactions can be marked with dimension data that make it possible to sort and delimit the transactions in various subsidiaries. There is no limit to the number of dimensions. New dimensions automatically appear in screen displays, reports, menus - everywhere the information is accessed.

Strong forecasting tools

Axapta Logistics offers a number of strong forecasting facilities that support long-term planning. These are essential tools when negotiating trade agreements with both prospective and current suppliers.

Item forecasts

Using Axapta Logistics, you can access an unlimited number of forecast models that give a comprehensive picture of future sales and purchases. The flexibility of these forecast models gives you powerful capabilities and facilities for simulating various future trends. For example, you can project cash flow by transferring item forecasts to the ledger forecast. You can also generate forecasts for each of your departments and consolidate them into a company forecast.

Product development

Data history makes it easy to monitor and optimize your product development process and time to market for produced items using multiple BOM versions. This helps your company react quickly and adjust its product line in response to market changes – an essential capability in an era of ever-narrowing margins.

Flexible control over inventory

Axapta offers you several options to manage your inventory including dimensions, on-hand inventory of item dimensions, tracking and quarantine management.

Inventory dimensions are classifications that specify the level of detail used to store items and draw them from inventory. They enable a business to manage inventory physically and financially on a very detailed level. For example, when items are drawn from a particular warehouse, batch or serial number, inventory dimensions facilitate the process at the level of detail you want.

Within the item number, dimensions can differentiate items based on factors such as configuration ID, color and size reducing the complexity of production, ordering and storage. The level of detail does not affect the ease of use. For example, if an item is serial number 1001of batch A in location 001-02-3 of warehouse X, you can access or overview it by warehouse, location, or another inventory dimension you have selected.

On-hand inventory of item dimensions

With Axapta, it is easier for you to use item dimensions because an on-hand inventory is available for each item dimension. This means for example, that if your business buys work gloves, it assigns the entire receipt of work gloves to the same item number and specifies the glove size in a separate size field. All sizes are found under one and the same item number, making on-hand inventory of sizes much easier to assess than if a SKU number (Stock Keeping Unit) is created for each size.

Tracking

The tracking feature in Axapta Logistics enables you to track specific items based on multiple criteria, including inventory dimensions. You can view related issues such as sales orders and purchase orders, as well as receipts for transactions via a simple tree-graphic from anywhere in Axapta Logistics. At any time, you have direct access to information telling you where items were used and where they can be found. View as much or as little information as you want.

Quarantine management

Axapta Logistics enables you to effectively manage inventory set aside in quarantine through the use of quarantine orders. These orders can also be conveniently system-generated based on the item setup. The quarantine management system allows for precise control of when items are released from quarantine. You can also determine where quarantine inventory is at any stage in the quality-control process. When used in cooperation with Axapta Warehouse Management, quarantine orders can be completely managed within Axapta.

Flexible BOM management

The bill of materials (BOM) is critical in translating product demand into raw material inventory requirements. Everything from forecasting, planning and scheduling item purchases and production, to determining pick lists and identifying cost and pricing information is tied up in the accuracy of the BOM. Axapta provides you with an effective means of handling the BOM for complex products through the use of specifications such as virtual inventory items, versions and product configurations. In cooperation with Inventory Management and Master Planning, the BOM feature facilitates just-in-time deliveries and optimal reordering levels.

Product Builder

Axapta Logistics can be used in cooperation with Axapta Product Builder to reduce the number of BOMs required when configuring new items. With the product configurator, you define the configurable items, which means that non-configurable items are automatically recognized by the system. Based on the configuration rules you have defined, Axapta checks and prompts you through the configuration process reducing the risk of error in production. It is easy to determine what inventory is available for a particular

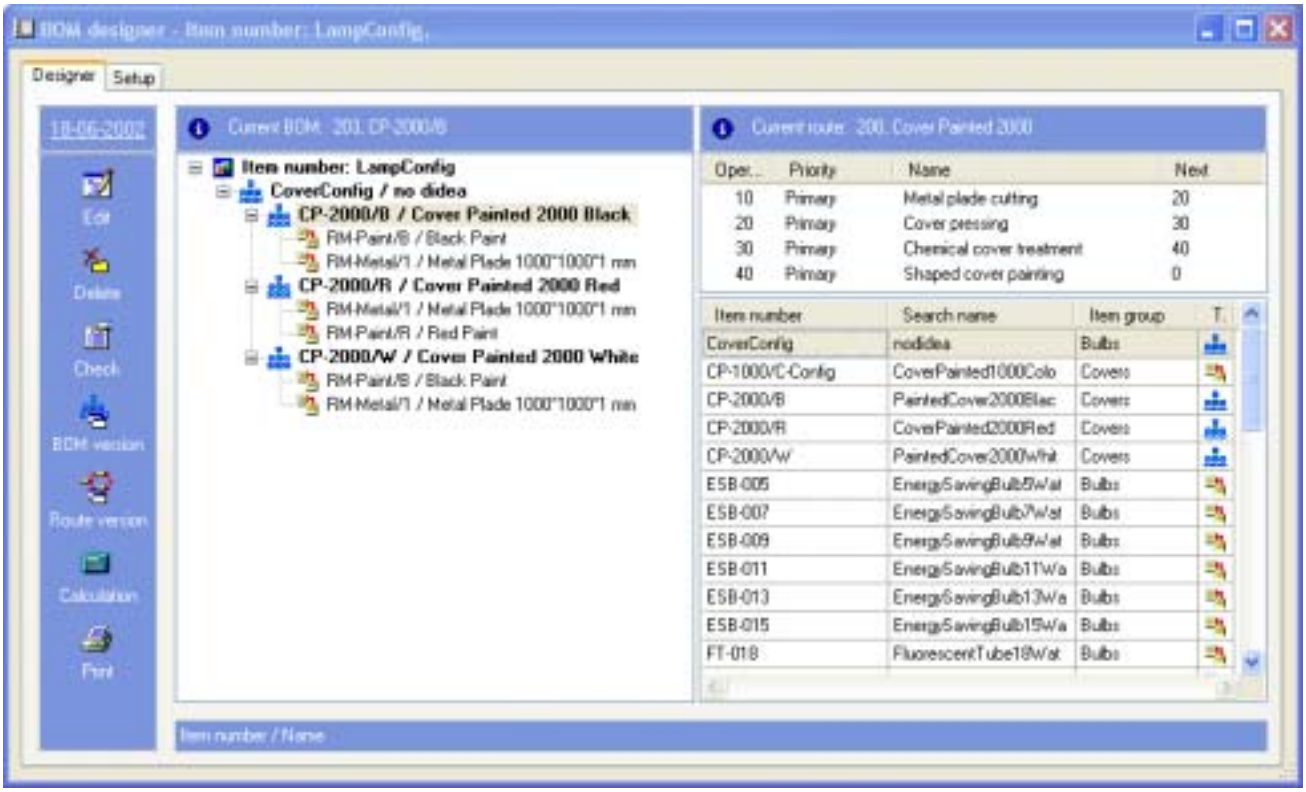
configuration because you can check the on-hand inventory from anywhere in the system.

BOM core features

Axapta handles complex products with multiple BOM levels effectively. Formulas are provided for the most accurate calculation of material consumption. The dimensions that make up the formula can be redefined to suit the characteristics of the individual component. Additionally, allowances can be made in the consumption calculation for a variety of factors, including scrap (constant or variable), or variable versus constant consumption. Axapta enables you to manage an infinite number of levels, giving you the flexibility to include as much detail as you would like for each BOM and resulting in the most accurate costing and forecasting information. Any item in a BOM can be controlled by a valid date interval.

Graphical BOM Designer

The Graphical BOM Designer is a graphical suite used to create and manage BOMs based on Microsoft® drag-and-drop technology. The familiar and user-friendly environment makes it faster and easier to construct one or more BOMs. The relevant data are all brought together in the designer software so that everything you need to create and design a BOM can be accessed from one window. Among the features that highlight the ease of use of the BOM Designer is its ability to guide the user.



Graphical BOM Designer

For example, it only allows you to perform a specific function when that function is an option for the BOM you are working on. There are also system alerts to let you know when a BOM is active and should not be modified. The route section, item master, and graphical tree-structure help make the entire process visual and logical.

BOM versions

Axapta uses version control to effectively manage BOMs. The version control supports important functions such as phasing out components and changing vendors – important issues when making revisions to a BOM. BOMs are classified by versions and run based on version dates. The version date controls which BOM is used for production on a given date. Previous versions can be accessed and reused at any time. So if a customer wants the exact same product that was purchased from you last December, you can reuse old BOM versions. The flexibility of the system allows you to create and activate multiple BOM versions by simply indicating the dates a particular version is valid, saving you the time and trouble of creating a new item and new BOM each time.

Fully exploded price calculation

The price calculation based on the finished BOM item can be done for one or more BOMs in multiple levels, giving you access to the most accurate price information. In turn, the information on the BOM is updated throughout Axapta so that the accuracy is registered throughout your business. Cost price or purchase price can be used when calculating the price.

Contact your partner

To learn more about Microsoft Navision Axapta, contact your local Navision Solution Center. They have the expertise necessary to meet your specific business needs.

About Microsoft Business Solutions

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Data Summary Sheet

Key Features	Description
Easy to use	• Intuitive layout and structure • User-adjustable menus, forms and reports • User-adjustable layout of main tables and journals • Windows commands incl. 'copy and paste' from and to Axapta • Direct access to main tables from journals • Advanced sorting and filter options • Built-in user help including an integrated manual • Option to mail and fax directly from Axapta • Application can be run in different languages
Bill of materials (BOMs)	• Graphical BOM designer • Multi level BOM • Version control of BOM • Date control of BOM item • Approval routing • Formulas for calculation of consumptions • Variable or constant consumption • Support phantom BOMs • Variance configurator • Scrap control • Where used feature
Forecasting	• Create sales forecasts • Create purchase forecasts • Use item allocation key • Use period allocation key • Consolidate sales and purchase forecasts into one inventory forecast
Item characterization using item dimensions	• Characterize single item by using up to three item dimensions: configuration, size and color • Rename the size and color dimensions to suit your purpose • Maintain valid combinations of item dimensions. Create them manually or let Axapta create them automatically • Specify the number of item dimensions used per group of items • Set up specific prices and discounts per item dimension combination
Scalable item storage using storage dimensions	• Describe storage by using warehouse, pallets and locations • Track items by the dimensions serial and batch number
Advanced on-hand tracking	• Get overview of current on-hand situation per warehouse • Drill down to current on-hand situation per any item or storage dimension or combination of these • Tools for tracking batch and serial numbers throughout the system

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Quarantine management	• Set aside items in quarantine using quarantine orders, either manually or automatically when receiving items • Look up quarantine inventory at any stage in the quality control process
ABC analysis	• Calculate ABC analysis using user defined limits • Calculate the ABC analysis based on: revenue, cost value, margin, and carrying costs
Barcode support	• Maintain multiple barcodes per item • Print barcode labels for pallets

System Requirements

To obtain all of the features mentioned in this fact sheet, the following modules and technologies are required:

- Microsoft Navision Axapta 3.0
- Microsoft Navision Axapta Trade Series
- Microsoft Navision Axapta Trade Agreements
- Microsoft Navision Axapta Logistics Series
- Microsoft Navision Axapta Product Builder