

Digitally transform your food  
manufacturing business from  
design to logistics management

## Food Manufacturing

Microsoft Dynamics 365 for Business Central



# How can our Food Manufacturing solutions help you?

- ✓ Improve the quality of food ingredients, sourcing, and lot management
- ✓ Price your products based on consumer perception and market positioning to improve profitability
- ✓ Schedule food production based on the availability of raw materials and machinery, to lower downtime
- ✓ Manage inventory scientifically keeping in mind the expiry, shelf life, and first-in-first-out factors
- ✓ Trace lots and manage the place of origin to minimize recall of food batches and mitigate quality issues

# Benefits you can gain from Food Manufacturing solutions



Manage recipes with the right quantity, processes to be applied, and timing to produce quality food



Set and meet quality standards for ingredient and raw material sourcing



Manage bottlenecks and keep up with seasonal demand with simpler production scheduling tools.



Get a single view of customers, contracts, and orders with integrated CRM



Meet Food Safety Modernization Act (FSMA) and Safe Quality Food (SQF) standards



Gain visibility into trends with built-in sophisticated analytics and reporting to tweak your production schedules



# Features

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**Basic Food Manufacturing Processes** Improve the units of measure to perform conversions between units of weight and volume, trace item costs and the country of origin at item level for purchases and sales. Define alternate sales items for customers using the sales-related enhancements.

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**Manage Warehouse with a Complete Overview** Perform advanced operations within the warehouse environment. Get complete and updated visibility into bin contents and streamline the bin movement process with ease to manage the warehouse operations.

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**Allergen Management** Enter information on allergens of items either directly as an inherent part of the item or as a 'may contain' to improve your business reputation. You can also link allergens to a BOM-version as a 'may contain' to avoid the risk of cross-contamination.

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**Process Manufacturing** Leverage the complete support that this feature provides. You can set up different recipes for intermediates, finished goods or true process-production items, to the different planning mechanisms and reporting functionalities. You can also integrate recipes to plan and integrate into costing.

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# Basic Package

## Dynamics 365 Business Central Premium

Food Core Solution	
<b>Food Essentials</b>	Manage improvements to measurement units to let the system convert between units of weight and volume. Use item cost-tracing capabilities, country of origin data at the item lot level and define alternate sales items for customers.
<b>Enhanced Lot Tracking</b>	Trace raw material lots from receipt to production to sale or trace item sold backward to its production, components used, and their origin. Use the lot history feature to get lot lists in the program, properties, test results, etc. information. Also, capture unique properties for lot-controlled items.
<b>Allergen Management</b>	Enter information on allergens of items either directly as an inherent part of the item or as a 'may contain.' Add information on several pages, including sales, purchase, production orders, and warehouse documents to create awareness.
Manufacturing	
<b>(Semi-) Process Manufacturing</b>	Get complete support in food manufacturing from setting up the different recipes for intermediates, finished goods or true process-production items, to the various planning mechanisms and reporting functionalities. Recipes include links to resources for planning as well as integration into costing.
Quality	
<b>Quality Control</b>	Develop quality tests against raw materials received. Establish quarantine procedures to prevent the release of items until you complete and pass quality control tests. Use the Quality Control module as a scheduling tool for necessary quality control tests for items, generate and print certificates of analysis with results of quality control tests.

# Professional Package

## Dynamics 365 Business Central Premium

Food Core Solution	
<b>Food Essentials</b>	Manage improvements to measurement units to let the system convert between units of weight and volume. Use item cost-tracing capabilities, country of origin data at the item lot level and define alternate sales items for customers.
<b>Enhanced Lot Tracking</b>	Trace raw material lots from receipt to production to sale or trace item sold backward to its production, components used, and their origin. Use the lot history feature to get lot lists in the program, properties, test results, etc. information. Also, capture unique properties for lot-controlled items.
<b>Allergen Management</b>	Enter information on allergens of items either directly as an inherent part of the item or as a 'may contain.' Add information on several pages, including sales, purchase, production orders, and warehouse documents to create awareness.
<b>Easy Shipping &amp; Receiving</b>	Support fresh produce cash and carry processes along with terminal market sales order and payments. Manage the receipt of multiple items from vendors in a truck along with associated costs like freight, documents, customs clearance, etc.
<b>Pricing Strategies</b>	Use a wide variety of pricing options to calculate flexible sell prices, promotional discounts, and price change methods. Leverage the cost basis tools to determine the cost from which sales prices are calculated. Include delivery charges in pricing but remove to calculate revenues.
Manufacturing	
<b>(Semi-) Process Manufacturing</b>	Get complete support in food manufacturing from setting up the different recipes for intermediates, finished goods or true process-production items, to the various planning mechanisms and reporting functionalities. Recipes include links to resources for planning as well as integration into costing.
Quality	
<b>Quality Control</b>	Develop quality tests against raw materials received. Establish quarantine procedures to prevent the release of items until you complete and pass quality control tests. Use the Quality Control module as a scheduling tool for necessary quality control tests for items, generate and print certificates of analysis with results of quality control tests

## Warehouse and Distribution

### Advanced WMS Functions

Perform advanced operations within a warehouse environment, get clear visibility to bin contents, and streamline the bin movement process. You can pick items to a common staging area, from where they can then be picked against specific sales orders. Picking methods include FIFO, LIFO, and FEFO.

## Commodities

### Commodity Costing

Define cost-components with quality tests and adjust the cost price based on the test results. Get automatic creation of quality tests, purchase orders for vendors, and outsourced collection (trucking-fee) with the help of the commodity manifest.

### Commodity Payment

The result of the quality test that effects the unit-cost can also impact the purchase price. Additional payment features include such things as partial payments, advance payments, combined payments per period, and separate payments per collection.

## Other

### Deduction Management

Manage the remittance process, including allowed and disallowed deductions as per marketing plans. Apply customer payments flexibly, identify all payments awaiting application for each customer, and look at open entries, to apply a specific payment to a particular entry or entries. Recipes include links to resources for planning as well as integration into costing.

### Rebates & Commissions

Define rebates, commissions, bill-back, and promos as well as whether these can be accrued or not. You can then use the program to monitor transactions and calculate the appropriate amount where accrual is applicable. A sub-ledger of accruals earned and paid is built, and corresponding entries are posted to the general ledger.

### Dual UOM & Catch Weight

Set two units of measures to be captured simultaneously with each transaction for accurate inventory control and flexible pricing methods on either unit of measure. Enable purchase and sales history analysis with full units and splits consolidated into a standard unit of measure. Capture a product's actual weight, rather than its estimated weight during transaction processing.

# Enterprise Package

## Dynamics 365 Business Central Premium

Food Core Solution	
<b>Food Essentials</b>	Manage improvements to measurement units to let the system convert between units of weight and volume. Use item cost-tracing capabilities, country of origin data at the item lot level and define alternate sales items for customers.
<b>Enhanced Lot Tracking</b>	Trace raw material lots from receipt to production to sale or trace item sold backward to its production, components used, and their origin. Use the lot history feature to get lot lists in the program, properties, test results, etc. information. Also, capture unique properties for lot-controlled items.
<b>Allergen Management</b>	Enter information on allergens of items either directly as an inherent part of the item or as a 'may contain.' Add information on several pages, including sales, purchase, production orders, and warehouse documents to create awareness.
<b>Easy Shipping &amp; Receiving</b>	Support fresh produce cash and carry processes along with terminal market sales order and payments. Manage the receipt of multiple items from vendors in a truck along with associated costs like freight, documents, customs clearance, etc.
<b>Pricing Strategies</b>	Use a wide variety of pricing options to calculate flexible sell prices, promotional discounts, and price change methods. Leverage the cost basis tools to determine the cost from which sales prices are calculated. Include delivery charges in pricing but remove to calculate revenues.
Manufacturing	
<b>(Semi-) Process Manufacturing</b>	Get complete support in food manufacturing from setting up the different recipes for intermediates, finished goods or true process-production items, to the various planning mechanisms and reporting functionalities. Recipes include links to resources for planning as well as integration into costing.
<b>Co-Product or By-Product</b>	Enable the definition of a diverging Bill of Material in which one item going into a process results in one or more co-products and by-products as output. A separate planning engine supports this.

## Quality

<b>Quality Control</b>	Develop quality tests against raw materials received. Establish quarantine procedures to prevent the release of items until you complete and pass quality control tests. Use the Quality Control module as a scheduling tool for necessary quality control tests for items, generate and print certificates of analysis with results of quality control tests.
<b>Process Data Collection</b>	Take and register measurements during a production-run or other processes within your company. Configured to get repeated measurements over time, you can enable alerts whenever measurements exceed the limit or are missed.

## Warehouse and Distribution

<b>Delivery Management</b>	Manage picking and shipping of materials and quickly assign trips from default customer route assignments. Generate picking activities on a trip-by-trip basis and record any unfulfilled picks as shorts. Coordinate the receipt of multiple purchases into a single pickup and collect inbound items efficiently.
<b>Pallet/ Container Tracking</b>	Track both consumable and returnable containers and serialize for better traceability and view status to see if it is empty or packed with goods. Get weight and capacity data to value and store containers by actual weight. Return reusable containers and pack items as per customer specifications, and track lots. A container ledger provides a history of your serialized containers, including routes, contents, and conditions.
<b>Advanced WMS Functions</b>	Perform advanced operations within a warehouse environment, get clear visibility to bin contents, and streamline the bin movement process. You can pick items to a common staging area, from where they can then be picked against specific sales orders. Picking methods include FIFO, LIFO, and FEFO.

## Commodities

<b>Commodity Costing</b>	Define cost-components with quality tests and adjust the cost price based on the test results. Get automatic creation of quality tests, purchase orders for vendors, and outsourced collection (trucking-fee) with the help of the commodity manifest.
<b>Commodity Payment</b>	The result of the quality test that effects the unit-cost can also impact the purchase price. Additional payment features include such things as partial payments, advance payments, combined payments per period, and separate payments per collection.

## Other

<b>Deduction Management</b>	<p>Manage the remittance process, including allowed and disallowed deductions as per marketing plans. Apply customer payments flexibly, identify all payments awaiting application for each customer, and look at open entries, to apply a specific payment to a particular entry or entries. Record deductions to payments—post with payment or keep open in the system to resolve later.</p>
<b>Rebates &amp; Commissions</b>	<p>Define rebates, commissions, bill-back, and promos as well as whether these can be accrued or not. You can then use the program to monitor transactions and calculate the appropriate amount where accrual is applicable. A sub-ledger of accruals earned and paid is built, and corresponding entries are posted to the general ledger.</p>
<b>Maintenance Management</b>	<p>Track maintenance, including breakdown and repair work, preventive maintenance, or scheduled maintenance performed on your company's assets such as production equipment, warehouse equipment, vehicles, facilities equipment, or facilities. As a result, you can establish preventive maintenance programs, plan and schedule the outstanding, track the cost of completed and in-progress work, and enable repair vs. replace analysis with reports.</p>
<b>Dual UOM &amp; Catch Weight</b>	<p>Set two units of measures to be captured simultaneously with each transaction for accurate inventory control and flexible pricing methods on either unit of measure. Enable purchase and sales history analysis with full units and splits consolidated into a standard unit of measure. Capture a product's actual weight, rather than its estimated weight during transaction processing.</p>
<h2 style="margin: 0;">Food Lifecycle Management</h2>	
<b>Food Item Lifecycle Management</b>	<p>Set the state of an item manually, based on predetermined rules and followed by predetermined actions. Decide the availability of an item for purchase and sales based on its state, thus gaining total item-control throughout the item's existence in the company.</p>

# To-Increase

We are driven by our vision of empowering you, our customer, with software solutions that help you optimize your operations, grow, and lead in your sector. Our team of passionate technology experts works at anticipating potential problems our customers may face and provide easy-to-implement and use solutions that help them stay ahead of the competition.

OVER  
**170**  
BUSINESS, INDUSTRY AND  
TECHNOLOGY PROFESSIONALS

**14 YEARS**  
YOY GROWTH

**50+**  
SOFTWARE AND  
APPS EXCLUSIVELY  
FOR MICROSOFT  
DYNAMICS

**OVER 2200**  
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