

BatchLOGIX[®]



BatchLOGIX[®] - Your recipe management & reporting tool

Designed specifically for formula storage, campaign management and traceability.

NorthWind[®]
Technical Services

Production & Information Management

Whether you're scaling recipes into a batch or metering ingredients into a continuous system, a flexible recipe management tool is essential to maximize the performance of your plant.

BatchLOGIX® provides recipe management with the scalability to accommodate systems of any size. Operators can set up multiple **batch sequences, manage recipes** and also **create and schedule multiple campaigns** with ease.

BatchLOGIX is backed by an SQL database allowing detailed batch and process data collection. The reporting module can be utilized for recalling long term historical information based on campaign, batch, ingredient and other factors. Bin management and lot tracking modules are also available to provide a comprehensive history of material inventory and usage.

Item Name	Ingredient	Setpoint	Setpoint Units	Upper Setpoint Tim Allow	Upper Setpoint Units	Lower Setpoint Tim Allow	Lower Setpoint Units
Dry Material	Dry Ingrid 1	20000.0000	lbs/hr	5000.0000	lbs/hr	5000.0000	lbs/hr
Water		4.0000	% of Dry	2.0000	% of Dry	2.0000	% of Dry
WRS Water		0.0000	% of Dry	0.0000	% of Dry	0.0000	% of Dry
Steam		8.0000	% of Dry	2.1000	% of Dry	2.2000	% of Dry
Liquid 1	Caramel	0.0000	% of Dry	1.0000	% of Dry	1.0000	% of Dry
Liquid 2	Poultry Fat	0.0000	% of Dry	0.0000	% of Dry	0.0000	% of Dry
Liquid 3	Chicken Fat	2.0000	% of Dry	1.1000	% of Dry	0.9000	% of Dry
Liquid 4	Canola Oil	0.0000	% of Dry	0.0000	% of Dry	0.0000	% of Dry
Meat	Meat Slury 1	2.0000	% of Dry	1.0000	% of Dry	5.0000	% of Dry

Campaign	Scheduled	Status	Recipe	Line	Batches/Run	Ant	Size/Rate
1	12/6/2014 9:17 PM	Downloaded	Trp 1	Extrusion Line 1	1		100.000
5	12/6/2014 10:54 PM	Downloaded	Trp 1	Extrusion Line 1	1		100.000

ID	Name	Description	FSD No	Active	Hold	Material Bin	Material	Actual Inventory
60	Liquid Storage Qr 3			GF	ET	Rel-01		0.000
61	Liquid Storage Qrpt 1A			GF	ET	Diget 81000		0.000
62	Liquid Storage Qrpt 1B			GF	ET	Diget 81000	200.000	200.000
63	Liquid Storage Qrpt 2			GF	ET	Publy Digital		0.000
64	Liquid Storage Qrpt 3			GF	ET	Publy Qrpt		0.000
65	Liquid Storage Qrpt 4			GF	ET	Low Qrpt		200.000
66	Liquid Storage Qrpt 5			GF	ET	Empty		0.000
67	Liquid Storage Qrpt 6			GF	ET	Phosphoric Acid		0.000
68	Liquid Storage Tank 2			GF	ET	Lactic Acid		0.000
69	Storage Qr Tank 1			GF	ET	Canola		0.000
70	Storage Qr Tank 2			GF	ET	Chicken Fat		0.000
71	Storage Qr Tank 3			GF	ET	Chicken Fat		0.000
72	Storage Qr Tank 4			GF	ET	Chicken Fat		0.000
73	Storage 1 Slury Tank 1			GF	ET	Meat Slury 1		0.000
74	Storage 1 Slury Tank 2			GF	ET	Slury		0.000
75	Storage 1 Slury Tank 3			GF	ET	Slurry		0.000
76	Storage 2 Slury Tank 1			GF	ET	Meat Slury 1		0.000
77	Storage 2 Slury Tank 2			GF	ET	Slury		0.000
78	Storage 2 Slury Tank 3			GF	ET	Slury		0.000
79	Storage 3 Slury Tank 1			GF	ET	Slury		0.000
80	Storage 3 Slury Tank 2			GF	ET	Meat Slury 1		0.000
81	Storage 3 Slury Tank 3			GF	ET	Meat Slury 1		0.000

Sequences and Templates

Recipes are constructed using sequences of individual machine actions. Sequences to control a group of equipment can be built using templates defined by operators or by BatchLOGIX. Equipment changes are automatically added to recipes that have been built using templates.

Campaign Management

Each campaign can be programmed using different recipes from the campaign manager screen. Campaigns can be released upon startup or scheduled for future releases with maximum flexibility.

Material Mapping

With BatchLOGIX, ingredient locations can be mapped without changing the PLC program or the recipe. Material mapping in BatchLOGIX also prevents operators from sending product to the wrong location.

Recipe Set Points

Recipes are flexible with customizable set points for both ingredients and process variables.

BatchLOGIX Line Ingredient Usage Report

Selection Criteria:

Campaign: @
Line: Extrusion Line 1
Product: Dog Food 4
Scrap: Included

Ingredient	Total	Extrusion Line 1
Dry Inged1	479,954.60	479,954.60
Chicken Fat	9,865.52	9,865.52
Water	29,679.52	29,679.52
Steam	41,757.27	41,757.27
WRSWater	7,590.77	7,590.77
Total	568,847.68	568,847.68

Batch Historian

Information about past batches are stored with the Batch Historian feature. Easily search with in the Historian by lot or batch number.

Reports

Historical data can be accessed through easily customized reports to target specific information using filters like campaign numbers, batch numbers, date and time periods. BatchLOGIX reports have multiple table and graph formats for easy interpretation. Once created, reports can be exported to Excel, WORD, RTF, or PDF for sharing.

Lot Numbers

Enter lot numbers manually or scan them into your system to automatically associate them with the appropriate batch records.

The image shows two overlapping 'Add Material' dialog boxes. The top dialog box has the following fields: Location: Extruder 1 Slury Tank 3; * Material: Chicken Fat; * Date: 3/10/2015. The bottom dialog box has the following fields: Location: Mill System 3 Bin; * Material: Dry Inged 1; * Date: 3/10/2015; * Lot Number: 12345; * Amount: 100. Both dialogs have 'Add' and 'Cancel' buttons at the bottom. A note below the bottom dialog says '* Denotes Required Field'.

Security

Program access is controlled by password protected user profiles. New users can be added quickly and rights for users are easily configured from within BatchLOGIX.

PlantLOGIX™

NorthWind

The NorthWind PlantLOGIX Suite of software is a powerful tool designed to streamline and simplify factory processes, taking your plant to the next level and allowing you to get the most out of your automation system.

AlarmLOGIX®

Data Tracking & Alarm Management Software

BatchLOGIX®

Recipe Management & Reporting Software

BatchMATE®

Automated Micro Ingredient Hand Batching Station

PlantLOGIX™

NorthWind

SECURITY

Multi-Application User Access Management Software

The NorthWind QuikLOGIX® PLC Program Configuration tool shortens and simplifies the task of writing PLC code.



2019 System Integrator of the Year

We are proud to announce that we have been named Control Engineering Magazine's 2019 System Integrator of the Year. This award is a tribute to the hard work and effort of the entire NorthWind Team.



Thank you for your interest in NorthWind. We are committed to helping our customers improve their process through automation & cutting edge design. For more information please call or visit us on the web at:

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