

RECIPE MANAGEMENT SYSTEM ENHANCES QUALITY CONTROL

Formulation Management System

Product Code: E-96501.00 Date: 11/5/2001
 Product Description: Tem St Q Time: 3:30:41 PM
 Production Order #: 543210 Supervisor: _____
 Batch Number: 1550 Employee: _____

Formula

Article #	Article Description	Batch Wt. Grams
E-96509.00	GGGGG	5200
F-541001.09	JKJKJK	800
D-54030.00	EEEE	800
D-54024.00	DDDD	800
D-541001.00	ZZZZZ	400
		880000

Current Article E-96509.00

Pallet #	Actual Wt.	Actual Grams

Comments
This is a set of test comments

Notes

Warehouse

Batch #	Pallet #	Tote #	Tote Lbs
1550			
1550			
1550			
1550			
1550			

Total Comparison

Recipe: 8000 LBS
 Tote: _____
 Actual: _____

Login Reports Chg Ingrd Amt Chg Batch Size Open Batch Sheet Close

- Once the batch is completed, usage and stock information is updated in the SQL Server Database:
 - Amount of each material used from a material pallet,
 - Total weight of the Batch,
 - Weight and Identification of each Finished Product Tote,
 - Operator Notes and Deviations that occur during the batching for Quality Control personnel to review,

ENGINEERING TASKS AND SERVICES:

- Integrated Intellution, Allen-Bradley, Symbol wireless Bar Code Readers and SQL Server Database,
- Created the Technical Specification,
- On-site and remote Start-Up Support,
- Validation Support after Installation.

Malisko Engineering, Inc (MEI) was asked, to provide a SCADA-based recipe management system allowing operators to easily retrieve all required information to batch powdered beverages on two independent Batching Systems.

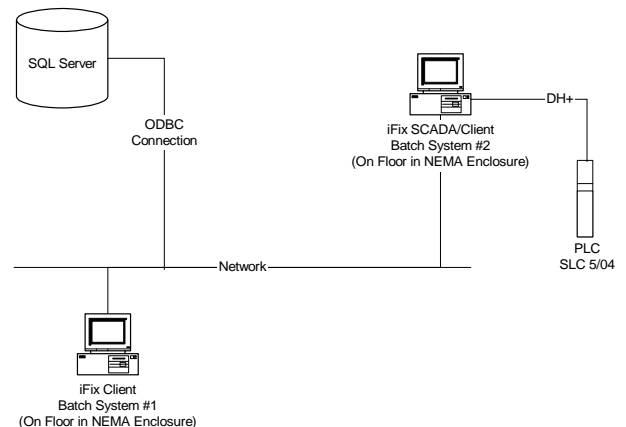
GOALS:

- Assure high product quality by eliminating operator-induced inaccuracies,
- More accurate inventory usage reporting,
- Automatic batch event tracking and archiving.

SYSTEM FEATURES:

- Retrieves the following batch information from a SQL Server Database:
 - Material stock number,
 - Material status,
 - Description of each material,
 - Amount of each material to blend,
 - Recipe Comments and Special Instructions for the Operator's reference,
- Auto-calculates each material weight based on an operator-specified Total Batch Weight.,
- Material amounts are displayed in the units (lbs. or grams) the operator uses to measure,
- The operator uses a wireless bar code reader to scan material pallet numbers and verify the material is correct against the Asset Number and Formula thus improving their efficiency and assuring high product quality,

SYSTEM ARCHITECTURE:



For More Information, please contact:

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