

The background of the entire page is a grid of small, square images. The images are arranged in a pattern that is partially obscured by a large black rectangle on the right side. The visible images show a person wearing a blue long-sleeved shirt and blue gloves, working with several round, golden-brown cookies on a white surface. The grid pattern is composed of black lines that create a series of small squares, some of which contain the image of the person and cookies, while others are empty or partially filled.

EBOOK

4 ESSENTIALS FOR EFFECTIVE FOOD SAFETY MANAGEMENT

PLEX



Food and beverage manufacturers face a range of pressures: increasingly demanding customers, strict government regulations such as the Food Safety Modernization Act (FSMA), and the need to better manage inventory to maximize profitability.

One way to handle these challenges with a minimum disruption to the business is a comprehensive food safety management system (FSMS) that is part of your manufacturing software solution.



When Food Safety is On the Line You Need an Automated FSMS

Improve traceability with real-time tracking.

Rapidly identify and track every ingredient for every product—from receipt through processing and packaging to shipping to the exact customer location.

Get productivity up and your costs down.

Cut IT costs, automate data consolidation, speed communication across your supply chain, and simplify audit and compliance.

Ensure you're always in compliance with a single source of truth.

Keep ahead of regulations and properly document every step of your process so you can easily track and trace when a recall happens ... Better yet, eliminate recalls altogether!

Smart Food Safety Management Systems Contain **4 Essential** Ingredients

- 1 Support for hazard analysis and critical control points (HACCP) and/or hazard analysis and risk-based preventive controls (HARPC) plans
- 2 A process-oriented manufacturing execution system (MES)

- 3 Track and trace for instant traceability and recall management
- 4 Single source of truth for database-driven manufacturing system

ESSENTIAL 1

Get Your Docs in a Row with Smart Technology

You need documented HACCP/HARPC plans as well as corrective and preventive actions (CAPAs). You also need the ability to provide documentation to the USDA or FDA on request—including maintaining these records for a minimum of two years.



When you need docs at your fingertips, count on Plex to deliver:

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0110

Automated data collection and management processes to help you stay compliant, reduce costs, and increase productivity.



Electronic document controls, security, and e-signatures.



Automated workflows, checklists, and standard operating procedures with critical control point alarms.



Required quality inspection with statistical process control charting to identify and react to trends before they result in scrap and waste.



Built-in processes to limit production issues and speed corrections.

ESSENTIAL 2

Get MES to Take Control

You need a Manufacturing Execution System (MES) that delivers visibility and control over plant floor activities, helping you drive operational efficiency.

Lot tracking and production scheduling, scaling, and rejection tracking are all vital. As is comprehensive overall equipment effectiveness (OEE) reporting to maximize output with minimum downtime.



Get control and more with Plex:



Human-machine interface (HMI) and machine/equipment integration to supervisory control and data acquisition (SCADA) functionality.



Real-time inventory lot management support and tracking of consumed ingredients.



Preventative maintenance to avoid breakdowns and keep equipment running.

ESSENTIAL 3

Recalls Happen: Be Ready to Track and Trace

You need to address quality issues with tools that can track every ingredient from supply chain origin to final customer delivery. In addition, you need to be able to isolate compromised ingredients early, to minimize recall exposure, and deliver a speedy response to regulators.



With Plex you'll always be ready for what's next:



A ticket-based automated system with supporting alerts and a complete traceability tree.



Root-cause analysis and problem identification functions.



Ability to quarantine compromised ingredients



Quick identification of affected lots or shipments that must be recalled.



Automated notifications to affected distributors and customers.

ESSENTIAL 4

Let the Truth Be Known from Anywhere at Any Time

You need visibility across the entire production lifecycle. The best way to get it is with a holistic system that provides complete visibility from a single source of truth and puts the data you need right at your fingertips.

The Plex solution was designed from the bottom up to manage, control, and trace inventory without adding extra steps or additional documentation.



Thinking of sticking with the status quo? You deserve better.

Plex provides food and beverage manufacturers with capabilities that enable them to achieve full compliance with an improved audit process, better ratings, and certifications that are more easily earned. With Plex, you get:



A digital system of record that ensures a single source of truth.



Integrated critical workflows for error proofing.



Full traceability, so you know where ingredients and raw materials came from and their current location.



Integrated document management system that delivers the documents you need for each auditor without the paper chase.



Get the Food Safety you Need and the Savings You Deserve



Avoid system management costs.

Eliminate duplicate data entry, system patching, and software upgrades.



Future-proof your operations.

Effortlessly meet new regulatory requirements and changing customer demands on a scalable platform.



Automatically consolidate business data into reports.

Access data and share it easily, anytime, from anywhere.



Make communication seamless.

Share data with customers, distributors, and suppliers without additional license costs.



Eliminate the paper chase.

Eliminate manual and paper-based documentation by storing business data, photos, PDFs, and more online.



Simplify audits.

Because all of your documentation and data are in the cloud, you are prepared, and audits are executed in hours instead of days.

**When it needs to
be right, count on
Plex to deliver.**

Explore the Plex Smart
Manufacturing Platform at

plex.com

PLEX

or call us at



855.534.8012