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When Lot Tracking is Critical...

The food manufacturing and distribution industry is experiencing increased pressure to provide complete inventory tracking and reporting throughout the supply chain. New regulations from both Homeland Security and Food & Drug Administration have put greater control and reporting requirements on all organizations within the food manufacturing and distribution industry. Accuracy and speed of access to this data are paramount in today's market.

→ **Increased regulations around lot control and reporting greatly increase a company's risk and labor demands when utilizing current paper based inventory systems.**

In addition, many large retail organizations now require their manufacturers to provide this level of control and reporting in order to complete contract demands.

→ **A majority of distributors and manufacturers do not have the infrastructure and/or capital budget necessary to support this effort.**

The net result? Shrinking margins and increased competition from competitors utilizing automation technology.

In order to meet the new regulations and requirements, you need a solution that addresses:

- Inventory accuracy, control and tracking
    - Cradle to grave tracking
    - Grave to cradle tracking
- Order fulfillment
    - Ability to direct users to the correct lot and provide full reporting (audit trail)
- Inventory Tracking
    - Tracking of lot numbers at each stage of manufacturing
        - Raw Materials - Work In Process - Finished Goods
- Receiving
    - Ability to capture incoming lot numbers at point of receipt

Phone: 612-343-0404
Email: info@appolis.com
Web: www.appolis.com

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Page 1 of 3

Appolis, Inc.
333 Washington Ave N, Suite 106
Minneapolis MN 55401

Food Manufacturing and Distribution Functionality

WithoutWire Warehouse (WoW) successfully captures and controls lot controlled product throughout the manufacturing and distribution operations —in a simple to use handheld wireless platform.

Using state of the art technology, WoW Warehouse delivers the lot control capabilities of expensive warehouse management systems at a much lower cost than current market offerings.

- WoW Warehouse replaces slow error prone paper based operations with high speed, accurate receiving, picking, and shipping with complex lot and serial tracking simplified
- Supports receiving of lot controlled items into facility, either through a purchase order or ASN
- Supports multiple inventory hold statuses, each with their own unique characteristics as to how the inventory in handled
- Supports Quality Assurance (QA) hold release prior to manufacturing – thus not allowing on-hold inventory to be utilized in the manufacturing area
- Ability to change item/lot holds at the lot level or the location lot combination
- Supports back-flushing of inventory a point of manufacturing completion
    - o Full lot reporting for discrete manufacturing
    - o Generalized lot reporting for flow manufacturing based upon control of lot numbers in the manufacturing process
- Allows for finished goods inventory to be placed on manufacturing hold until QA has completed the required quality tests (positive manufacturing release)
- Supports real-time cycle counting of lot controlled inventory throughout the facility, not based on inventory status
- Supports ASN creation for outbound orders, including required lot information
- Supports single lot to single order processing, based upon customer requirements
- Provides full reporting of lot controlled items from point of receipt to point of shipment
- Supports both Cradle to Grave and Grave to Cradle Lot Genealogy Tracking for audit and regulation requirements, see diagrams below:

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Page 2 of 3

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Minneapolis MN 55401

Figure 1 - Grave to Cradle Lot Tracking

WithoutWire provides complete drill-down capability into finished goods inventory, with full reporting against the parent - child relationships contained within each Bill of Material (BOM).
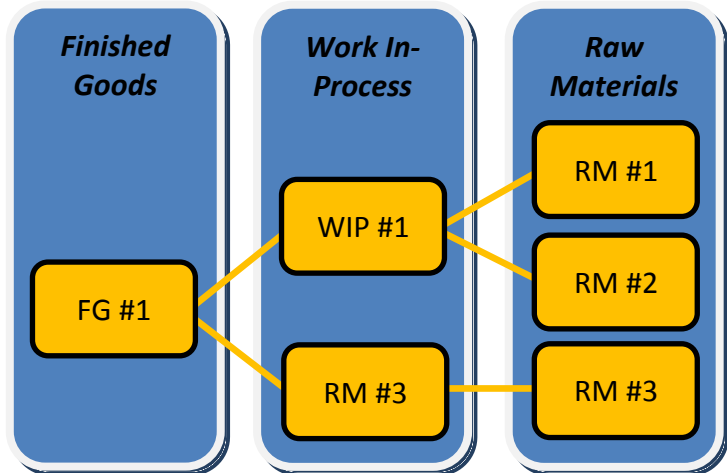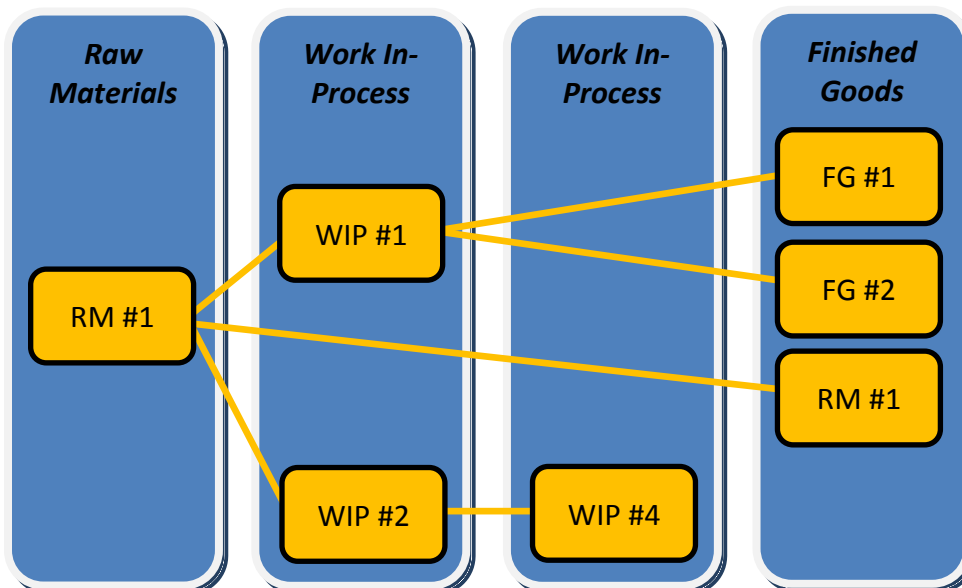

Figure 2 - Cradle to Grave Lot Tracking

WithoutWire provides complete visibility to raw material inventory and reporting against each WIP and/or finished good that contains the raw material component.

WithoutWire leverages your current infrastructure to provide a highly cost-effective and efficient warehouse management system that allows you to meet the ever increasing regulations and requirements that you are facing in today's market.

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Page 3 of 3

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