



Introduction

How can we tell if these are our crates or someone else's? How old are they? How many times have they been washed? What is our utility expense to wash these? How do we ascertain that we don't wash them more than what is mandated? How do we save resources? How do we determine where our resources are utmost required? How do we know if some of these crates are not left behind and being utilized by our competitors?

If the above are your questions, read on.....



Pakster (www.pakster.com), a division of PI, Inc, (www.pi-inc.com) has partnered with Reltronics Technologies, Inc. (www.reltronicstech.com), and now offers an automatic crate location (SmartCrate™) system based upon the ReALTrack framework. The system is a real-time crate identifier which simplifies the crate management process by congregating and managing associated information regarding the crate in a timely and efficient manner.

The system records crate information and crate movement automatically and provides updated and accurate data in real time without human intervention.

Installation Technique

Reader/Sensing Equipment is installed inside the crate washer. The crates have an inherent electronic id or RFID chip. This chip is automatically sensed by the equipment as the crates are washed. There is no human intervention. Data is automatically sent across the Internet and



is accessible by all authorized personnel. System comes with a complete web-based system to determine the location of the crate at each instant in time.

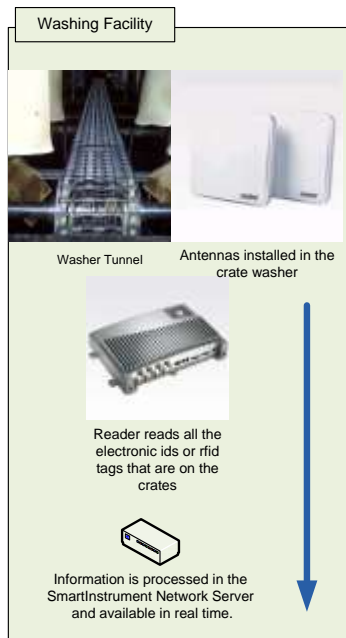
Benefits of the crate management system

Among several advantages, the system will immediately benefit the organization with the following

- Provides data where crates are, or have crate, equipment, tools and other resources when required.
- Closely monitors information including crate movement.
- Enables an organization to manage its crates with automated information updates
- Assures accurate and timely data transmission
- Reduces the crate base with improved crate utilization
- Increases efficiency of crate consumption
- Assures increased productivity
- Enables purchase efficiency
- Ascertains cost-effective maintenance
- Contributes to the enhancement and better return of investment
- Identifies the crate in real-time.

Setup

Setup takes less than one hour and the system comes ready to deploy. This equipment has been installed in numerous locations and is time tested.



Crate Content Monitoring Expansion with GPS

While Pakster can assist in detecting the crates going through the washer and identify them, the local crate monitoring system can be expanded in moving vehicles with the installation of the

SmartInstrument licensed by Pakster from Reltronics Technologies.

The GPS-based system can monitor vehicle movement as well as the number of crates that are loaded. It can pin-point the location of the vehicle in the supply-chain so that robust decisions are made either to re-orient the delivery schedule or to re-tract the delivery.

Electronic or Radio-Frequency Identification

Radio Frequency Identification (RFID) tags are required for the crate content identification. The tags are environmentally robust (rugged with a read-distance between 5-25 feet). Pakster provides a radio frequency based GPS Automated Crate Locator System for the Poultry & Feed industry.

The System is able to immediately enhance efficiency, improve safety and customer service. The turn-key system includes hardware interface, installation and training and enables users with the most data, using the least amount of effort, at a reasonable cost. Information becomes available on the crates from any location with internet access. The system is translatable and Pakster can provide seamless expansion capability of expanding the crate locating system to additionally other crates, such as service crates, other units and delivery crates. The expansion of the system can be for the following:

- Obtain driver and passenger information boarding the vehicles in the form of Radio Frequency Identification (RFID) using a proximity card. Determine if the drivers are authorized to drive the vehicles.
- Obtain instant lot information on the crate inventory.
- Determine stopping times of drivers.
- Determine route diversions.
- Guide drivers to alternate locations.
- Expeditiously reroute shipments based upon content.
- Verify shipment content

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