

STid Spectre TAG Anything and Read into ACS System

emsProductFocus04-STidSpectreProduce

From Farm to Refinery: Tracking Freshness with RFID Technology 🌿

Problem:

- **Lack of Traceability:** No reliable way to track fresh produce from farm to refinery, leading to uncertainty about quality, weight, and delivery time.
- **Limited Quality Control:** No system to ensure consistent quality and freshness throughout the supply chain.
- **Inefficient Data Management:** No centralized database to track bin movement and events, making it difficult to analyze and improve processes.



Solution:

EMS's RFID solution provides a comprehensive system for tracking fresh produce from farm to refinery, ensuring quality, traceability, and efficiency.

How it Works:

- **Unique Bin Identification:** Each bin is equipped with two RFID tags, providing a unique identifier for tracking throughout the supply chain.
- **Farm Exit Tracking:** STid Spectre RFID Readers with 2-panel antennae capture bin data as they exit the farm, providing a time-stamped record of departure.
- **Refined Data Management:** Saflec 2 Door IP panel integrates with a single global database, capturing bin data and providing a centralized platform for managing information.
- **Quality Control at Refinery:** Bins are time-stamped upon arrival at the wash weighbridge, ensuring accurate tracking of delivery time. Quality checks and grading are recorded, providing a complete picture of produce quality.
- **Real-Time Data Analysis:** The system provides a detailed timeline of events, enabling comprehensive analysis of supply chain performance and identification of potential bottlenecks.



Benefits:

- **Enhanced Traceability:** Track produce from farm to refinery with complete accuracy and transparency.
- **Improved Quality Control:** Ensure consistent quality and freshness throughout the supply chain.
- **Efficient Data Management:** Centralize data and gain valuable insights into supply chain performance.
- **Reduced Waste:** Identify and address quality issues early, minimizing waste and maximizing product utilization.
- **Increased Efficiency:** Streamline processes, reduce manual data entry, and improve overall operational efficiency.



Discover our UHF compatible tags

STid's UHF tags are 100% passive (without battery) for virtually unlimited life and constant performances. For more security and user comfort, a wide range of services and options is available: windscreen mounting kit for TeleTag®, serigraphy, sequential or physical printing, self-destructible label...



TeleTag®
Windscreen tags



ETA v2
Windshield labels



Cards
UHF / Multi-technology

Key Features:

- STid Spectre RFID Readers with 2-panel antennae for reliable and accurate bin identification.
- Saflec 2 Door IP panel for seamless integration with the global database.
- Single global database for centralized data management and analysis.
- Time-stamped tracking for accurate record-keeping and accountability.
- Real-time data reporting for informed decision-making.

Ready to transform your fresh produce supply chain with advanced RFID technology?

Contact EMS today to learn more about our RFID solution and how it can enhance your operations.

From farm to refinery, ensure freshness and traceability with EMS's RFID solution.