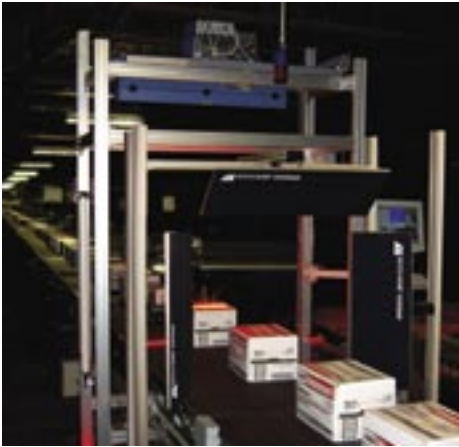


ACCU-SORT®

FAST Tag Over-the-Conveyor (OTC) RFID Tunnel



Tightly integrated OTC RFID verification tunnel system—Tested, integrated, optimized system solution for harsh RF-filled environments

Accu-Sort's own application specific OTC RFID antenna designs— Focused antenna beam improves singulation

Accu-Sort's own application specific OTC RFID software algorithms— Maximizes read rate through dynamic polling

Bar code and RFID data aggregation— Ensures that the right tag is on the right box every time

Overview

Accu-Sort's FAST Tag Over-the-Conveyor (OTC) RFID tunnel systems provide increased visibility of assets flowing across conveyors within warehouses or distribution centers. The family of system solutions range in capability from the verification of RFID tags being placed on cartons to high speed sortation systems running at up to 600 fpm. All these products are developed with Accu-Sort's application specific components to provide industry leading performance.

These solution are part of Accu-Sort's Tag-to-Ship centralized system architecture, which allows them to be seamlessly integrated with your existing data management infrastructure through Accu-Sort's FAST Tag DataServer solution. These systems can also be integrated with your existing bar code scanning tunnels enabling the aggregation of RFID and bar code data for increased asset visibility.

Technology Highlights

The Accu-Sort OTC RFID tunnels are designed as highly integrated systems, using application specific RFID readers, antennas, software and structures to obtain the maximum accuracy of tracking assets within a manufacturing, warehouse or distribution center.

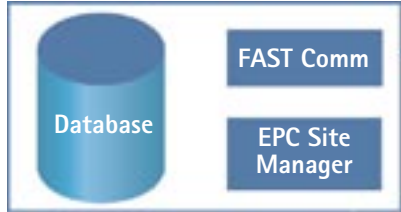
These systems are designed to support up to 4 antennas for tracking RFID tags placed on any of the six sides of a carton. Accu-Sort has a family of antennas to meet your specific application needs, from top and side antennas, to unobtrusive bottom read designs. These bottom read antenna are available in varying widths to accommodate the different conveyor solutions commonly found within the supply chain. A number of Accu-Sort antennas are designed using narrow beamed RF energy patterns to enable the system to singulate between closely spaced cartons. This same feature minimizes stray RF energy from causing undesired interference as is typical with general purpose antenna designs. Accu-Sort has leveraged its tracking software developed and refined in its bar code tracking systems for use in RFID OTC applications.

Accu-Sort provides a detailed RF site survey as part of its solution design effort to analyze your needs and understand the environment that your Accu-Sort RFID tunnel will need to operate in. The structure is designed to easily integrate with your existing conveyor systems to reduce deployment time, while at the same time isolating the tunnel to the maximum extent from outside RF interference.

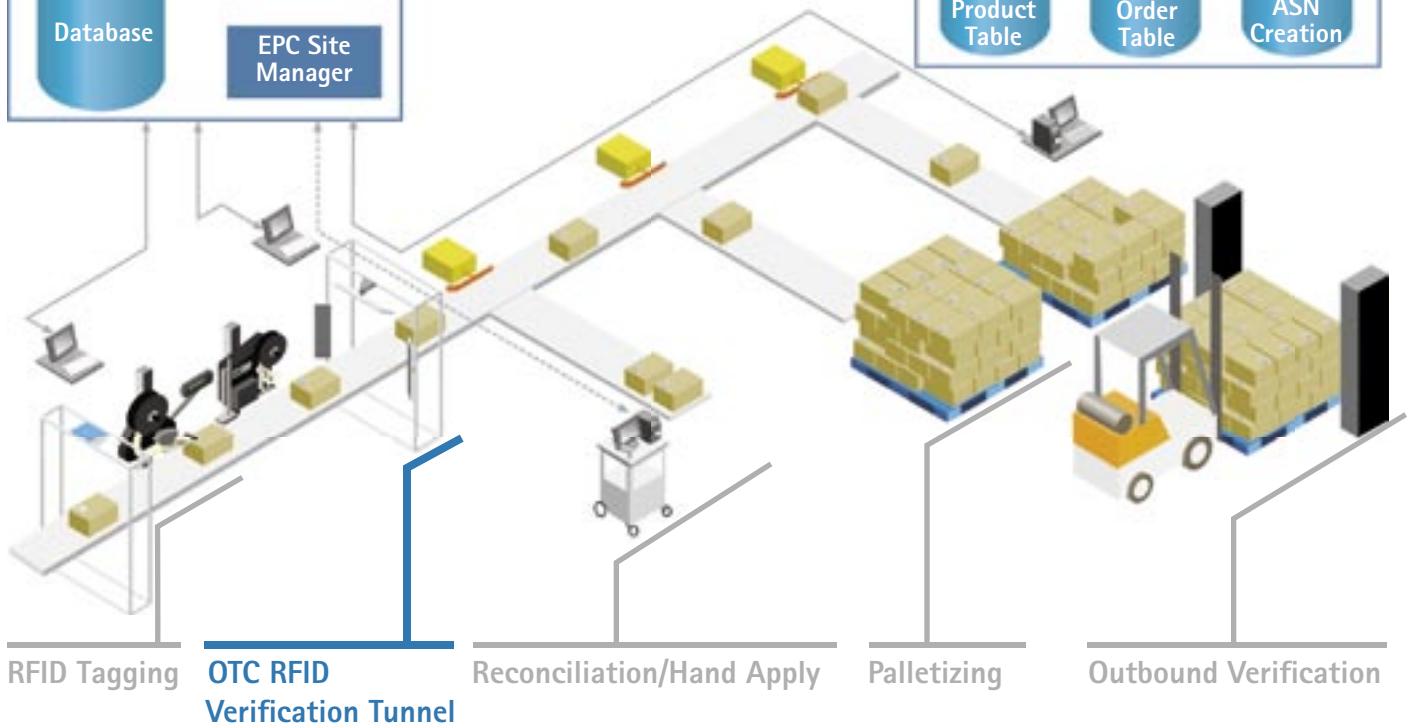
FAST Tag Over-the-Conveyor (OTC) RFID Tunnel

FAST Tag™ Tag-to-Ship RFID System Solution

FAST Tag DataServer



Warehouse Management System (WMS)



Operational Specifications

Characteristic	Description
RFID	
Frequency	902-928MHz
Protocols Supported	Class0/0+, Class 1 and GEN2
Antennas	Support for up to four (4)
Performance	
Conveyor Speeds:	up to 600 fpm
Anti-Collision	Yes
Singulate	As required
Dynamic Polling	Yes
6 Sides of Box Visibility	Yes
Network Interfaces	Local/Remote, Serial, SNMP, Ethernet10/100, Wireless
Conveyor Tunnel	
Humidity	5-95% R.H.
Operating Temperature	0-50 deg C
Storage Temperature	-20 to +85 deg C

Accu-Sort reserves the right to change specifications without notice.



Look for the "RFID ENABLED" logo on Accu-Sort's bar code laser scanners and CCD cameras. It's our assurance that all ACCU-SORT® RFID products will be compatible with your existing bar code scanner infrastructure—capable of working together to solve your expanding business needs.

For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

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