



PlantTalk:ContainerTrack

Your solution to Returnable Container Tracking

Datanational's returnable container tracking solution includes scanning/reading and capturing the unique Container ID with every shipment and scanning/reading them again as they are received back from the customer or another facility. Reporting and inquiries are available over the pre-selected timeframes to identify any containers that are still out in circulation past their usual return timeframe. This gives your company the ability to proactively contact your customer or your transportation company and check on the status of the container(s) in question.



Software Features

- Enter/update options for maintaining returnable container data
- Reporting for containers present in the system by container ID
- Printing of uniquely identified barcode labels for containers
- Reporting for containers not received back after a user-defined number of days
- Outbound and inbound scanning of barcoded container labels
- Supports a traditional scanning implementation or an RFID implementation (see back page)

Software Built Around You

Datanational specializes in design, development, implementation and support of complete solutions for your automotive shop floor. Solutions of this type require the skills to integrate the machines, tools and production report and alert systems with the communications equipment and ERP/MRP systems to inform and guide your shop floor staff. We have many years of experience and the know-how to successfully complete these projects on time and budget.

In an RFID implementation, the entire solution consists of several required and some optional solution areas. Besides the application software, there are several hardware components and professional installation services that enable a successful implementation. We have used both Intermec and Motorola hardware with success. We are listing Motorola hardware for illustrative purposes.

RFID (Radio Frequency Identification) Tags

We offer an array of tag options that range in size and durability. Confidex Steelwave Micro Tag is a miniature UHF on-metal tag often used for asset-tracking applications. Confidex Ironside Micro Tag is a micro UHF on-metal tag often used for returnable transit items and industrial assets that face varying weather conditions and rough handling. Confidex Carrier Pro is a special label for various plastic container types from crates to plastic dollies. The structure of the tag is designed to resist typical washing processes which returnable plastic containers will be facing during their lifecycle. Confidex Carrier Tough is an encapsulated, thin tag solution for tracking various plastic containers and plastic returnable transit items.



Fixed RFID Reader

The FX9500 RFID reader is an industrial-class, fixed RFID reader designed for business-critical, dense-reader deployments. With both mono-static and bi-static antenna operation capability, it has the flexibility to meet a wide range of application and environment needs. This fixed reader provides ease of integration and rich application support while reading tags reliably and efficiently. Each reader can support up to 8 antennas.



RFID Antenna & Cables

Motorola AN480 is a single port, wide-band RFID antenna with a low axial ratio to deliver a more uniform gain for superior performance. This antenna has an IP rating of IP54 to be installed inside or outside. There are 20 ft. and 30 ft. antenna cables available.



Barcode Printer

Barcode printers are used to print unique serialized barcoded rack (container) labels. In RFID applications, smart labels can be printed, containing an imbedded RFID tag for both visual and RFID detection. The images bellow show the front and back side of a smart label with a visible embedded RFID tag.

