

How Mobile RFID Systems Improves Operations And ROI

Many current supply chain RFID (Radio Frequency Identification) operations involve tracking pallets, containers and cases. Much of these activities are driven by compliance with customer initiative. It is difficult to manufacturers and their distribution wings to get a positive financial return on their RFID investments. RFID has been proven time and again to provide strong ROI when it is combined with improved business processes that reduce labor and prevent errors. A combination of mobile and fixed-position RFID readers support these operations and helps deliver these benefits.

Four Ways To Improve Operations And ROI Using Mobile RFID

The integrated mobile RFID system can improve the ROI in four primary ways. They are:

- **Reduced Capital Expenditures:** Though RFID is used either for basic compliances or for extensive applications it can save huge execution costs than that of traditional configuration. The organizations that receive the RFID tagged cases and pallets will install fixed position RFID readers at dock doors to record tagged shipments. The second option is to install readers at a position of dock doors and schedule adequate time and efforts on them, so that tagged shipments are processed at RFID-enabled locations.
- **Increased Asset Utilization:** When RFID applications are moved from dock, there will be a better asset utilization and ROI. RFID can process tagged cartons and pallets wherever goods are handled. A mobile reader uses them in multiple ways throughout the facility, which provides superior asset utilization. The RFID system has an optimal real time location service (RTLS) features to further improve asset utilization, productivity and trend reporting. This includes, asset location and management, security, dynamic routing, productivity reporting and more. These features improve the picking and putaway operations and reduce the losses caused by automatically recording items in unmarked locations.
- **Scalability:** As the mobile RFID systems are used throughout the facility, new RFID readers may not buy new updated or expanded applications. It processes for picking, replenishment, shipment verification and inventory transfers can be completed with the same mobile equipment used at the dock doors. The inherent scalability of mobile systems takes much of the incremental cost out of expanded RFID operations. It introduces additional labor-saving applications that leverage the initial investment and improve overall ROI.
- **Labor Savings and Process Improvement:** The RFID system is proven to reduce the costly inventory handling and shipping errors and reduces associated costs. The process improves the productivity and makes it possible to track the goods in locations and environments. RFID increases tracking and improves visibility, where as bar code scanning is labor intensive. It helps in preventing shortages, over stocking, shipping errors and provides several other benefits.

The above information makes you know how the mobile RFID systems improve the operations and ROI of your business.

About the Author

For over 20 years, System ID has provided automation solutions and barcoding equipment to a wide range of large and small companies in virtually every industry sector. System ID offers more than 10,000 brand name products and services such as [barcode printers](#) and [barcode scanners](#).

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