

Stationary Industrial Scanning Success

Diamond Technologies met with a company in New Jersey that provides shipping services to Eastern Europe. The company was looking for help in upgrading their current parcel scanning equipment.

The company wanted a new automated package scanning system to improve their throughput, reduce operator intervention, and help them identify what items may be causing slowdowns in their operations.

They also needed a system that would be able to scan barcodes at a distance as they have a broad range in package sizes coming from a wide range of vendors. This resulted in having many types of barcodes on their parcels some with questionable quality. Their current system often required their operators to sort parcels with damaged or poor codes.

Diamond Technologies first analyzed their current operations, including conveyor speeds, throughput requirements, parcel sizes, and analyzed the many package barcodes which needed to be sorted on a typical day. Diamond then created a total system to accomplish their goals. The new system replaced their current laser-based barcode scanner with a more modern image-based barcode system.



The Datalogic AV900 was chosen as the main image-based reader. The AV900 imager is a high-end linear camera that allows for image capture and the ability to scan larger packages. The AV900 imager also supports a broader range of barcodes due to its high resolution. This allows the reader to read the codes on smaller packages as well.

Diamond Technologies also helped integrate the AV900 into their current data collection software to allow it to record and send pictures of each package where a code may have been damaged or obscured causing a read failure. The customer can then identify trends and take actions to improve operations.



Diamond's full solution including analyzing the customer's goals, understanding the current system requirements, specifying the proper technology, installing the solution, and then integrating with the customer's current infrastructure provided the customer with what they needed to improve their operations and continue to expand their operations.



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