Radley
Material Traceability
A CAI SOLUTION

Manufacturing Perfection
Streamlining Processes for Optimum Production

Industry
Materials and additives manufacturer including steel, abrasives, refractory, brick, glass, cement and masonry, oil and gas

Challenge
Material and product labelling is a manual process; lack of visibility in process; no data validation

Solution
Implementation of Radley solutions with the focus on containerization/kitting, traceability, license plate technology, and automated barcode data collection

Results
Increased automation, deeper reporting, vast improvement in efficiency

The featured customer is a world class manufacturer of raw materials and producer of engineered additives; specializing in the sourcing, processing, and distribution of products in over 20 different markets.

Challenge

Reduce the extensive manual labor involved for material and product labeling, improve processes and provide process automation and data validations. Simplify manufacturing steps and obtain real-time visibility into inventory, manufacturing and shipping.

- Manual, handwritten labels to identify products.

- Raw material inventory is purchased and displayed in ERP as one unit of measure but inventoried and sold in another.

- No visibility to production, inventory putaway and verification of what shipped.

- Multiple steps required for building up pallets and collecting data for traceability.

- Processes delayed by new part-numbering system which eliminated old, familiar numbers.

- Unreliable inventory counts and status's due to delay updating ERP system by hand.

Solution

The customer had a variety of challenges to address within their manufacturing and inventory processes, making them a great candidate for Radley's platform of solutions. Shipping, Receiving, Inventory, and Manufacturing were streamlined with the implementation of containerization/kitting and traceability, both utilizing our license plate technology along with automated barcode data collection.

- Decreased confusion and delays with customer's part numbers for new ERP:

  - Radley displayed the old part numbers to the users on their devices, but processed the new numbers in the background, updating the ERP system

- Kitting of raw material components by batch which supports production of intermediate parts and addresses volume limitations of production machinery.

- Automated label printing was implemented giving the user options to reprint or select different label type, from their mobile device.

- Inquiry transactions from their handheld device/ scanner gave users the ability to identify item locations for moving, issuing, or picking as well as viewing kitting data from the IntelliLabel database, all from anywhere within the warehouse.

- Automated the print BOL and delivery note from mobile device at time of shipment confirmation.

- Displayed multiple units of measure within transactions to simplify the receipt, movement and shipping of raw materials.

- Eliminated multiple steps for building up pallets by consolidating transactions and using IntelliLabel License Plating.

- Data collection transactions were implemented to automate and streamline Receipts, Stock Movements, Material Issues, Cycle Counting as well as Physical Inventory.

- Notifications generated when out of tolerance counts occur; Radley automatically sends emails to supervisors.

- Automation of pick package shipping and bulk shipping:

  - Radley converts customer order lines into picklists which are displayed on the mobile devices

  - Radley calculates and manages overages by type and location for shipments that are prevented by the ERP due to product reservations.

Results

Over 19 unique processes were automated for the customer, nearly all of their manual data entry was eliminated and real-time visibility was gained into their entire process. The combination of Radley's solutions, which easily integrated to their ERP system helped to minimize transaction processing time and free up resources to focus on other valuable tasks.

Configurations made based on their unique business needs such as allowing their users to see the old, familiar product part numbers while Radley processed the new part numbers behind the scenes, made a huge impact on the user's productivity. So much so, that as the customer continues to acquire companies from all over the world, they roll out their Radley solution as well.