



Warehouse and stock management functionality that includes intakes, stock-on-hand, dispatches, protocol management, label printing, invoicing and reporting. Customers with high throughput can activate advanced functionality that includes order based stock reservation and directed forklift movements for increased efficiency and accuracy. Batch-, wireless- and 2D barcode scanning are some of the enabling technologies available with the solution. General and bulk cargo is also catered for.

## BENEFITS

- Ease of use and flexibility that ensures completion of day-to-day tasks
- It forms part of the PALTRACK™ solution: built on one database and one operating system which eases information exchange
- Scanning can provide real-time information of stock positioning and on floor activities, whilst assisting in reducing data capture errors
- Optional electronic data interchange (EDI) to clients, logistical service providers and industry bodies in Paltrack (Pty) Ltd. published or proprietary formats. The Paltrack (Pty) Ltd. ICDS service is used to facilitate this information exchange
- Verification at intake against received EDI data expedites the intake process
- Functionality is optimized to provide high load-out rates
- Comprehensive operational and management reporting with full audit trails of system activity
- The functionality supports multiple remote storage locations off one server installation
- Runs on a number of platforms including industry standard Linux SUSE, resulting in lower total cost of ownership
- Scalable solution that caters for low and high volume facilities
- Integrates with third party financial systems.

## KEY FEATURES

### INTAKES

The functionality caters for first-intakes from grower level, transfers from other logistical service providers and automatic packhouse document generation, whilst “intakes in progress” functionality provides visibility of goods in transit for planning purposes. Railings and document capture screens allow for the capture of the intake documents along with inspection information. 2D Barcoding technology can be used to populate the intake information.

Different intake strategies that cater for single (one scanner user) or double (team of two scanner users) pallet scanning, along with a verification of the intake against the transmission files provides operational flexibility and accuracy.

Specialized phyto-sanitary inspection functionality caters for the requirements of the various target markets. Packhouse specific functionality allows for shifts and management of on-floor stock.

### STOCK MANAGEMENT

Different physical storage methods including block stow and fixed racking are catered for. Different physical facility layouts, with differentiation between ambient and cold stores allows for full stock management. Different methods of stock takes provide stock accuracy with regard to full product positioning, including store, bay, row, height and depth.

Pallet temperature readings can be manually recorded or read from third party temperature monitoring solutions.

Product ownership can be managed and transferred, and necessary fruit specification amendments can be done with full auditing. Management of age protocols, including cold date protocols and re-inspections, is provided. Add-layers and changing the identity of pallets with full audit capability is available.

Comprehensive stock enquiries and reports, along with extensive search functionality provide all necessary product information, covering intake, stock and dispatch history.

## INSTRUCTIONS AND STOCK RESERVATION

The reservation engine's complex algorithms ensure that the correct product is reserved against the clients load out instructions. The client is able to provide these load out instructions electronically, which reduces the tedious task of capturing instructions and eliminates data capture errors. Full revision histories of load out instructions are kept, and roll backs and roll forwards of instruction changes are easily managed. The reservation engine caters for different age protocols and ensures that the oldest product is allocated, whilst still allowing for specific load out based on the product ID. The functionality includes the capability of accepting negative instructions for finer stock management.

## WAREHOUSE MANAGEMENT FUNCTIONALITY

Warehouse management functionality provides additional stock accuracy through the use of directed forklift movements, whilst at the same time providing greater forklift productivity and reducing resource requirements. Unnecessary forklift movements are reduced. Forklifts can be restricted to only operate within specific areas, and the powerful Space and Traffic Control (STC) interface allows full control over the forklift movements. Warehouse management functionality coupled with stock reservation provides accurate load out of product against the client's instructions. Stowage or retrieval of pallets from specific locations can be disallowed based on temperature or other operational constraints.

## DISPATCHES

Product that matches the client load out instructions can be dispatched by either road transport or container. Multiple collections can be done against an order, and the running journals provide visibility of productivity and progress. Product can be selected and relocated to a staging area to facilitate faster load out or for additional preparation such as removal of pallet irons or high cube buildups.

Warehouse management functionality allows for multiple containers or trucks to be loaded simultaneously using a common pool of forklifts, thereby reducing congestion at the loading point and reducing unnecessary delays.

## LABEL PRINTING

Pallet, carton, punnet and thrift bag labels can be generated conforming to the fruit industry and GSI standards.

## ADMINISTRATION

Standard master files are used across the PALTRACK™ solution. The user has the option to insert, amend or remove any of these codes. A standard code-set ensures seamless information exchange between the various parties.

Access to functionality within the system is controlled through strict security settings which can be set at group or individual user level, and can be applied to specific programs or individual components.

Different work flow scenarios within the solution can be configured via soft settings which a system administrator can use to match the solution to the business processes.

A number of utility programs are provided which assist with managing different tasks such as server maintenance, automated extracts and import of data and monitoring system message logs.

## TAG / TARIFF / INVOICING FUNCTIONALITY

Extensive invoicing functionality which covers the setting up of the tariff structures and culminating in the generation of pro-forma invoices is available. Various costs such as packing materials, transport, inspection, handling and storage are fully catered for. Storage costs can be calculated based on a number of different algorithms. In addition, provision has been made for the capture of ad-hoc charges such as pallet base replacement, labeling or strapping. These charges can be recorded through the use of scanner at the point of activity, or where possible automatically via the standard system transactions. The financial transactions can also be integrated with third party accounting solutions.

## GENERAL CARGO

Specific functionality for handling general and bulk cargo has been developed. Inbound and outbound product logistical flows, along with related bill of landing information is captured. General cargo items can either be managed in bulk, or through the use of an individual identification number.

