Warehouse Management Capabilities in Ovotrack

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Inbound from grading floor

At the entrance of the warehouse, pallets are either scanned in by a wireless scanner or a fixed scanner. If no label exists, a new pallet label has to be printed by scanning the UPC barcode or the Ovotrack case label to select the item and then confirming or adjusting the default quantity. It is possible to adjust the sell-by date at this position. It's also possible to receive nest-run pallets.

Receive products from other locations

Through SQL Replication, all locations are connected and all pallet labels created at other locations can be scanned in at Receive. At the original location, the pallets are scanned to in-transit or to the transporting truck. At the receiving location, the pallets can be scanned out of in-transit into the finished good inventory.

Receive products from other vendors

When a PO is created in the ERP system, this PO can be selected and the pallets can be received against this PO. If not, a new Receive Graded PO can be created in Ovotrack. For each pallet a pallet label will be printed with the correct item code, sell-by date and quantity on pallet and added into finished good inventory. It is possible to scan an existing barcode with the lot-code of your vendor, which is important for a trace-back. After completing the receiving process, the PO can be updated in the ERP system with the actual quantity received.

Besides the pallet label, individual case labels can be printed as well, if needed.

Bin locations within warehouse

In Ovotrack one can build bin locations to mirror the reality. It is possible to add an endless number of layers; multiple buildings, multiple coolers within the buildings, multiple departments or areas within the coolers, multiple rows, multiple levels per row. One location can be as detailed as that, while another can have no division at all.

Live inventory dashboard

The inventory at each bin location is visible in the live inventory dashboard. But it is also possible to see the inventory aggregated. This means that you can look up inventory per level, per row, per department or area, per cooler, per building, per location or per company.

Creating picklists or pick tickets

Picklists can be automatically created for each customer order that is synchronized from the ERP system. However, it is also possible to create picklists that consist of a part of an order or more than one order. Creating picklists can be done by the warehouse manager or by the order pickers themselves, depending on the user rights assigned to them.

Picklists can be printed or viewed on a tablet (iPad or larger) or PC. On a tablet or PC the progress of the picklist or pick ticket is automatically updated. Furthermore, it is possible to view the bin location for the item that needs to be picked.

Order picking

Order picking is done with wireless Datalogic Powerscan scanners, which offer the highest scanning performance in industry and bi-directional communication. They communicate over radio frequency (not Wifi) with dedicated sender/receiving devices and do not interfere with other devices.
Order picking starts with scanning the picklist to pair scanner and picklist. Then the order picker scans the barcode for the order line he/she wants to pick Finally, the order picker scans the case label or pallet label to be picked.

After each scan, the display on the scanner shows the result of the scan action and the progress of the order picking. The picklist on the tablet is also updated in real-time.

Order picking by route

It is possible to pick orders by route, which is a group of orders that are on the same route. By route an order of picking or priority can be set, to make sure that the last items to be unloaded are picked first.

Mixed pallet picking

For picking mixed pallets, pick tickets per pallet can be created prior to picking by selecting the orders and dividing the items and quantities over the mixed pallets. It is also possible to leave that to the order picker who can decide how many of each item to put on each pallet. After picking a mixed pallet a pallet label can be printed with the details of the different items.

FIFO check

At each scan, Ovotrack checks whether the picked item is the oldest in inventory. If not, the scanner alerts the order picker to confirm or scan another item with an older Sell-by Date, Production Date or Julian Date.

Item check

With each scan, Ovotrack checks whether the item is correct. In some cases, an item can be replaced by another item.

Order check – quantity

Per order line, Ovotrack checks whether the Quantity to Pick > 0. When an order is completely picked, Ovotrack also checks the completion of the order.

Repack

It is possible to repack items into other items. This is necessary when loose eggs on a pallet are manually packed into cases. The original pallet label must be scanned and then a number of new labels (e.g. 30 labels for a full pallet into 30 dozen cases) are generated, carrying over the traceability of the original pallet.

Repack can also be used for Returns and for partial pallets that are grouped into one pallet.

SSCC Pallet Labels

When a pallet is picked for an order, an SSCC Pallet Label can be created and printed automatically, if the retailer or the item requires an SSCC Pallet Label. This is maintained in the customer and items base data. If the customer or the item requires an SSCC Pallet Label, Ovotrack will look up the specific layout of the SSCC pallet label, as each customer can have a unique pallet label layout.
The SSCC Pallet Labels can be printed on multiple printers – using the wireless scanner the order picker can select the printer that is closest/most convenient.

The SSCC Pallet Label information can be submitted to the retailer in an Advanced Shipping Notice (ASN) message over EDI.

Creating BOL

Ovotrack can automatically create a BOL after an order is picked completely. This BOL can include various customer specific information such as license plate or seal number. As different customers may have different layout requirements for the BOL, the layout of the BOL can be customer specific.

Truck loading

When loading a truck, an operator or shipping manager can decide in which order the pallets should be loaded. This load plan can be created prior to loading and can be printed or exported after loading. The number of pallet positions per truck can be adjusted.

Loading and verifying

When loading a truck, the pallets that are being loaded can be verified by scanning them. Ovotrack can check if this pallet belongs to the shipment and it can check if the loading complies with the truck loading plan.

Integration with Reusables

Ovotrack Warehousing is integrated with Ovotrack Reusables. In case orders are picked or shipped on pallets that are traced with Ovotrack Reusables, this can be registered during in-bound receiving or during mixed pallet building. Inventory of this reusable item will be updated and the pallet type can be printed on the pallet label and can be part of the Advanced Shipping Note (ASN).

Supporting cycle counts and inventory corrections

Ovotrack offers a cycle count functionality for recounting stock by physically scanning all items in inventory and adjusting any discrepancies found. On top of that Ovotrack, comes with a stock adjustment tool, which offers authorized users the option to adjust inventory for nest run eggs, packaging and finished good stock. These changes can also be made historically, which means that if an operator forgot to scan a pallet of nest run eggs at the loader, this can be corrected with the correct date and time.

Reporting functionalities

Ovotrack comes with an integrated report designer to create custom reports. The reporting service also comes with a number of default reports. With Ovotrack Task Scheduler, these reports can run at fixed times, and reports can be automatically emailed.
For insight into actual inventory, Ovotrack comes with a real-time dashboard, showing the actual inventory of nest-run eggs, packaging and finished goods from all connected locations.

If required, a subset of reporting data can be synchronized with third party reporting tools or Business Intelligence Software such as MS Power-BI.