



INCREFF

Benefits of **Inventory —** **Serialization**



1. Itemized inventory reduces the number of scans in the warehousing process

___ The only addition to the process is printing and pasting of serial barcodes which now can be done in bulk, via handheld printer, and can also be done at the manufacturing level allowing end-to-end supply chain visibility. That's how most big brands like **Wrogn** and The **Indian Garage Company** are currently doing.

Number of Scan

1 scan added during Inwards

1 scan less in picking

1 scan less during packing

Explanation

Mapping SKU Id to item Id

Don't need to scan bin id while picking

The packing personnel does not have to select-channel, picklist and order to do packing. All the data is available in a single item id scan (single click packing).

2. Inventory Accuracy

___ Very high accuracy of inventory at bin level

Scenario - Multiple scanning of same SKU at GRN, Put away, or Picking time.

When SKU is the barcode

Scanning one item twice, i.e. 5 times instead of 4 (actual count) will lead to an increase in the actual inventory by 1.

With Serialization

The system detects duplicate scanning of 1 barcode and prevents rescanning of the same.

Item-wise scanning guarantees 100% accuracy and reduces the need for buffers

Scenario - An item is marked 'Not found' by one picker and another picker marks it as 'Found' in the same location

When SKU is the barcode

This discrepancy cannot be resolved or tracked in the system

With Serialization

Item tracking in the warehouse is accurate hence the system will notify that the first picker did not scan correctly.

3. Traceability

— Securing item level details and improving traceability

— Every human action and status of every piece becomes traceable

Item traceability - Scenario - One piece is found lying on the floor.

When SKU is the barcode

Scanning the SKU does not give details on whether this piece was dropped at the time of order picking, Put away, or has not been GRN-ed and dropped in transit? Was it supposed to go to the forward pick area? or returned from the customer and not stocked in?

With Serialization

Each barcode stores the complete history of the item within the warehouse? On scanning the barcode, the system will prompt whether this piece was:

- Supposed to be out against an order, where it was last scanned
- Returned to the warehouse by a customer

Serialization increases chances of fulfillment from the ideal warehouse by ~99.98%. The inventory accuracy is so high that if a picker is directed to a bin for order pickup, by the system, there is only a 1 in 1000 chance that the item will not be there.

Order traceability - Scenario - Between picking and packing, an item is dropped.

When SKU is the barcode

The item is lost from the order and the picker will not know which order this barcode was picked against.

With Serialization

Every item in an order is traceable.