





Barcoding vs True WMS












Generally, barcoding tells a system **what a user did**, WMS tells the **user what to do**.

BARCODING

-  Electronic entry of data transactions from the shop floor
-  Provides limited feedback- validations of items scanned, inventory inquiry, etc.
-  Can provide user with tips- i.e. the primary put-away location
-  Generally integrates to the host ERP
-  **Upside**
Usually no integration issues as barcodes read/write directly from the database
-  **Downsides**
Lack mobility to move to another ERP

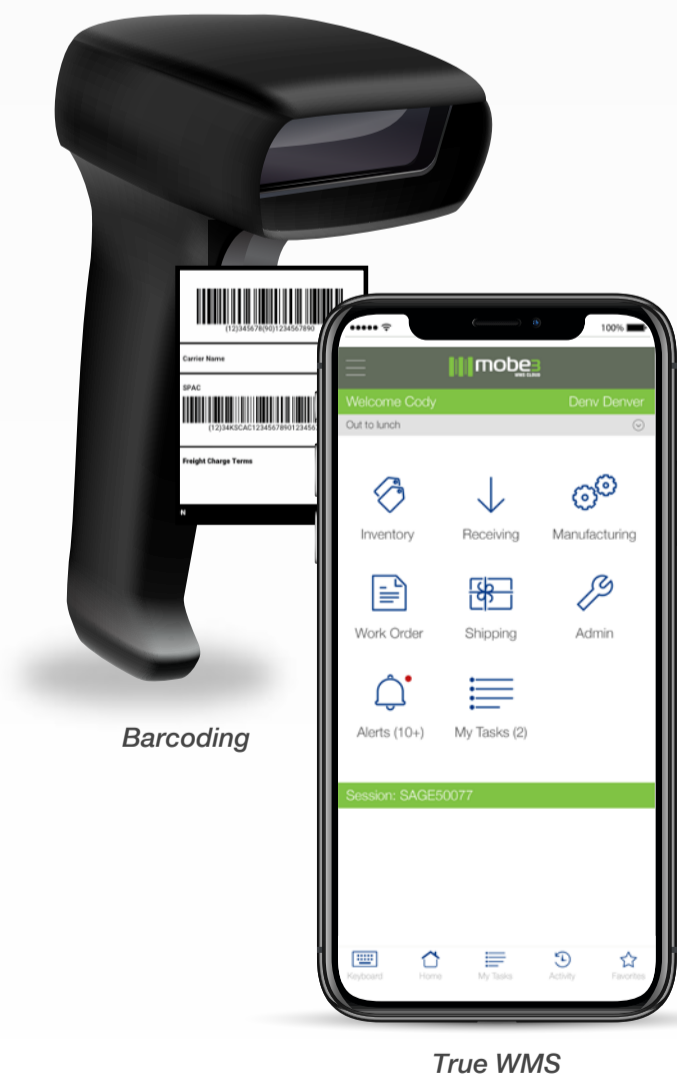
Usually limited by the functionality of the ERP and their distribution capabilities

WMS

-  Intelligent warehouse management- users are directed to do activities based on advanced algorithms defined in the system- put-aways on rules, capacity, dynamic slotting, etc.
-  Uses advanced picking routines to maximize user efficiency- such as batch pick, cluster pick, and drop zone replenishment
-  Tracks warehouse flow and when bin replenishments need to occur to keep pickers at max efficiency
-  Uses rules to aggregate sales orders for omni-channel order fulfillment efficiently, with different work flows for each distribution channel
-  Generally have advanced Business Intelligence dashboards
-  Modern versions are made to integrate with outside systems like YMS, TMS, LMS, shipping apps, weigh scales, etc.
-  System is generally stand-alone (i.e. integrates with multiple ERP solutions)
-  **Downside**
ERP integration can be challenging
-  **Upsides**
Takes much of the transaction volume out of the ERP, resulting in faster processing, and unburdens ERP

Isn't limited by ERP distribution functionality, has best warehouse practices built-in

Can move to new ERP systems without interrupting operational work flow



MODERN WAREHOUSE SOLUTIONS

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