

Application Brief

Mobile Labeling in the Warehouse or Manufacturing Facility



Industry:

Industrial Goods
Consumer Goods

Products:

Duratherm II Paper Labels
Duratherm III Paper Labels
Duratherm II Synthetic Film Labels

Printer Recommendations:

PB22, PB32, PB50

Regions:

North America
Europe
Latin America

Typical Applications:

Receiving/Cross Docking
Putaway
Order Picking and staging
Finished Goods Labeling
Shelf Labeling
Tote Labeling

Customer Benefits:

- Increased efficiency and productivity
- Increased accuracy in shipping, receiving, inventory control
- Reduced overprint costs
- Increased flexibility – print where and when needed
- Optimized performance – using integrated Intermec solution (printer, media, computer)

Application Description

Barcoding is a critical component in maintaining accuracy and efficiency in a warehouse environment. Shelf labeling, tote labeling, cross docking, picking, packing and shipping are just a few of the applications present in the warehouse that are involved in a successful workflow. Intermec mobile printers and Duratherm label products allow operators to print labels at the point of work throughout the warehouse, enabling a more flexible workflow and increasing productivity.

Industry Needs

After shipments are received at tiered distribution centers, pallets are often broken down to individual packages for further distribution and processing. A mobile printing solution allows workers to quickly generate barcode labels that can be applied directly to the cases as they are being unpacked.

For pick and pack applications in a high mix manufacturing or order fulfillment environments, a recent trend is to use portable totes that serve as temporary containers. These allow workers to stage all items together, near a final assembly station or final pack location. A mobile printing and labeling solution enables workers to identify and confirm the tote and its contents on the spot, reducing errors and streamlining workflow.

Intermec Solutions

Cross Docking/Receiving – As inbound shipments are received and re-distributed, workers can use belt-attached Intermec mobile printers and Duratherm labels to re-label pallets and individual cases on the spot, increasing accuracy, and minimizing search and sort staging. This eliminates the need to batch-print labels for incoming goods, and also reduces worker transit time spent walking back and forth between pallets and a central label printing location. Labels printed at the point of work also reduce the likelihood of applying the wrong label to an item.

Shelf labeling – Mobile printers can be used to generate durable synthetic Duratherm labels for location labeling throughout the warehouse. As goods are picked and move through various steps in the warehouse or DC, shelf labels are scanned to associate the items with the location from which they originated.

Tote labeling – In some distribution centers totes are the basic unit for tracking goods. Totes may be used to consolidate items destined for staging, rework or shipping. The association of the bar coded items to the tote label insures that all components are accounted for. Mobile printers can be used to generate either durable synthetic Duratherm labels as license plates for tote activity and movement, or removable labels – such as Bills of Materials – that are designed for a single use on the totes. With the use of mobile label printers, workers can apply labels to the totes whenever and wherever needed, optimizing the benefits of the tote system.

Picking/Packing/Shipping – Using Intermec mobile printers and Duratherm labels, items can be identified and labeled with order information as they are being picked for final assembly and placed in the tote or cart that is routed to a staging area. In the packing area, each label can then be scanned to ensure the order is complete and the final shipping label can be generated. In some instances, all of the items on the order are printed in a continuous label format and attached to the carton or pallet as a bill of lading.

Material Descriptions

Duratherm II – Direct thermal non top-coated paper that offers high quality and cost effective printing. This material is recommended for general use applications where moisture is not anticipated.

Duratherm III – Direct thermal top-coated paper that provides enhanced durability for applications where some humidity and surface abrasion may be a concern.

Duratherm III Synthetic – Direct thermal top-coated film labels that offer excellent humidity, moisture, and tear resistance as well as some chemical resistance.



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