Mobile Labeling in
the Warehouse or
Manufacturing Facility

Industry Need
Bar coding is a critical component in maintaining accuracy and efficiency in a
warehouse environment. Shipping, receiving, and cross docking, picking and
packing, shelf labeling, and tote labeling applications are integral to successful
operations. Increasingly, companies are leveraging mobile labeling solutions in
these applications. By enabling workers to print labels at the point of activity,
mobile solutions enable a more flexible workflow, increased productivity
and fewer errors. Intermec’s integrated mobile printer and Duratherm media
products deliver a comprehensive array of choices to meet these needs.

Shipping, Receiving, & Cross Docking
Mobile printing solutions enable workers to quickly generate barcode labels and apply
them directly to items as they are unpacked or staged for shipment. Workers wearing belt-
mounted mobile printers can re-label pallets and individual cases on the spot, reducing
transit time between pallets and a central label printing location to optimize efficiency.

Picking & Packing
The picker’s belt-mounted printer, responding to print commands from the
wireless network, generates a pick ticket to guide order fulfillment. After
collecting all items needed to close an order, this receipt material serves double
duty as the customer’s packing slip. Once the order is scanned complete, a
new pick ticket is automatically printed for the worker’s next task.

Shelf Labeling
Mobile shelf label printing easily facilitates flexible rack configurations
that change to accommodate items and full pallets of varying sizes and
heights. Durable on-demand printed labels maintain the critical link
between physical inventory locations and WMS or ERP systems.

Tote Labeling
For pick and pack applications in high-mix manufacturing or order fulfillment
environments, portable totes allow workers to stage all items together near a final
assembly station or final pack location. With mobile printers, workers can identify the
tote and its contents in progress, reducing errors and streamlining workflow. Label
media may be permanent, to identify the tote through multiple pick cycles (“license
plates”), or removable, to carry data about a specific order (such as a bill of materials).

Intermec Solution
Intermec identification products address the industry’s requirements for abrasion
durability when traveling on conveyors, moisture resistance for incidental exposure to
the elements, or basic performance for controlled warehouse conditions. Many common
configurations are in stock for quick shipment, ensuring that options are readily available
when new demands arise. Custom products can be tailored to more unusual needs. With a
comprehensive product set ranging from durable film labels to economical paper options,
the right products are available to optimize performance and price across the enterprise.
Printer Recommendation

PB22/32/50 Rugged Mobile Label Printers [Profile]
- Industry's fastest label throughput
- Rugged design for the harshest mobile environments
- Easy to use and support
- Powerful smart-printing capabilities eliminate the PC – the industry’s only “smart” mobile printers

Computer Recommendation

CK3R Rugged Mobile Computer [Profile]
- **Rugged** – Withstands multiple 1.2m (4ft) drops to concrete across all operating temperature ranges and an IP54 seal rating against rain and dust
- **Scanning** – Integrated high motion tolerance 2D area imager supports high-performance, omnidirectional scanning
- **Radio** – Supports industry standard 802.11 b/g/n and Bluetooth radio for adaptable communications
- **Battery** – Industry-leading battery performance will last a full shift and beyond
- **Processor** – Equipped with a power-efficient 1GHz multi-engine Texas Instruments processor, 256MB RAM and 512MB Flash

The Intermec Advantage

To capitalize on auto-ID efficiency in the rugged warehouse environment, it is essential that labeling products and hardware deliver flawless operation and reliability. Intermec printers and media are optimized for superior performance when used together. Our rigorous testing and co-engineering ensures maximum print head service life, consistently high print quality, and proven label and tag performance in demanding real-world environments. Intermec printers and media are complemented by our complete line of integrated solutions and services, including rugged mobile computers, RFID systems and advanced scanning technology. Intermec products and services are used by customers worldwide to improve the productivity, quality and responsiveness of their business operations.

For more information

Contact Intermec for more information about increased workflow flexibility, error reduction and enhanced efficiency through mobile printing.

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### Media Solutions for Mobile Warehouse and Manufacturing Labeling

<table>
<thead>
<tr>
<th>Material</th>
<th>Durability</th>
<th>Temp. Range</th>
<th>Application</th>
<th>Leading Stock Label Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duratherm II Labels</td>
<td>Good; ideal for applications where moisture is not expected</td>
<td>25F minimum application, -75 to 120F service</td>
<td>X</td>
<td>4x6” (E21016); 4x2” (E21079); 3x5” (E21013); 2x4” (E24612)</td>
</tr>
<tr>
<td>Duratherm III Labels</td>
<td>Better; enhanced durability for environments where moisture and/or surface abrasion are encountered</td>
<td>32F minimum application, -4 to 120F service</td>
<td>X</td>
<td>2x4” (E24615); 3x5” (E24627)</td>
</tr>
<tr>
<td>Duratherm III Linerless Labels</td>
<td>Better; excellent durability and print quality. Continuous rolls can generate tear-off labels of varying length.</td>
<td>35F minimum application, -5 to 120F service</td>
<td>X</td>
<td>2.25x860” (E25760); 3.25x1260” (E25761)</td>
</tr>
<tr>
<td>Duratherm S Labels</td>
<td>Best; synthetic construction endures water exposure and offers excellent long-term stability.</td>
<td>25F minimum application, -75 to 120F service</td>
<td>X X</td>
<td>2x1” (E25764)</td>
</tr>
<tr>
<td>Duratherm II Receipt</td>
<td>Good; ideal for applications where moisture is not expected. Simple on-demand pick tickets and packing slips of varying length.</td>
<td>-40 to 120F service</td>
<td>X</td>
<td>2.25x1300” (E24619); 3.25x1920” (E24631)</td>
</tr>
<tr>
<td>Duratherm III Receipt</td>
<td>Better; enhanced durability for improved longevity. Simple on-demand pick tickets and packing slips of varying length.</td>
<td>-75 to 120F service</td>
<td>X</td>
<td>2.25x960” (E24620); 3.25x960” (E24632)</td>
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