

**When every second counts,  
AB&R® and Honeywell  
deliver.**



## You Face Mounting Pressure. We Can Help.

Your distribution center operations are complex – from picking, packing and shipping, to receiving, putaway and replenishment. Slim margins and fierce competition leave no room for error – and the race to improve never ends. So what separates the best-in-class from the rest? AB&R® and Honeywell partner together to offer a complete portfolio of integrated workflow solutions to deliver what your business needs: Total DC optimization – and the results to prove it.



## Deliver Unmatched Worker Productivity and Accuracy

AB&R® and Honeywell's passion for productivity improvements drives our deep knowledge of distribution centers, and ensures that we're focused on the issues that make a real difference to your business: Discovering new ways to achieve operational efficiency and productivity, while also driving down labor costs. We enable you to achieve these gains through comprehensive solutions that integrate purpose-built data-collection devices, Vocollect Voice® solutions, and end-to-end data management.

To discover the ways that any operation can achieve best-in-class performance, Honeywell researched how real distribution centers operate – including a global survey of 250 senior supply chain and distribution center managers. Based on this study, a few of the many challenges DCs commonly face are presented at right.

As customers can attest, we help businesses throughout the world address these challenges by optimizing the workflows that are key to their operations. First, we design each solution from our comprehensive portfolio of integrated products, applications, and services. Then we tailor your solution to meet your specific business needs, refining your workflows to deliver unbeatable user preference and cutting-edge bottom-line results.

## Distribution Center Managers Say: New Technology Improves Profitability

Survey results show that DC managers look to mobile solutions to boost productivity and reduce costs.



### On average...

managers have been tasked with finding nearly 20% in cost savings across their organizations.



# 60%

of managers agreed large time and cost savings can be found by gaining back mere seconds in operation's workflows.



Nearly ...

# 3,000

hours per year are lost at distribution centers on inefficient processes.

# 16%

of managers said they will not review their workflow processes until a customer complaint has been received.



"Unlocking Hidden Costs in the Distribution Center" Research Paper conducted in 2012 by Intermecc by Honeywell and Vanson Bourne



## The Distribution Center

Welcome to your Distribution Center – redefined. Only AB&R® and Honeywell, thanks to its innovative, rugged products, integrated Vocollect Voice solutions, and proven solution expertise can deliver the unmatched workflow accuracy and productivity that your operations depend on.

### Receiving

The receiving process is arguably the most important process in the DC: All downstream workflows depend upon the accuracies and efficiencies achieved during receiving. Accurate data entry at this phase is critical for preventing costly cascading errors. AB&R® and Honeywell helps make receiving both rapid and extremely accurate with scanning that ensures first-time bar code reads, even for codes that are damaged or difficult to read. Likewise, mobile printing enables workers to correctly label products and pallets without wasting time walking to and from printer stations. These types of optimizations ensure immediate action and accurate data from the start, safeguarding your downstream workflows as well as driving quality control and vendor compliance.

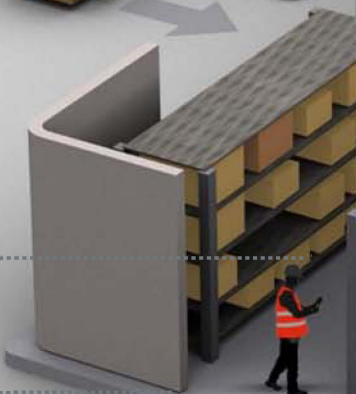


### Picking

Picking is by far the most labor-intensive process in the DC and also the most error prone – which makes it an ideal workflow for operational improvements. As e-commerce becomes the norm and enterprises adopt multi-channel fulfillment practices, picking operations need the flexibility to both ship pallets to a retail store and ship individual items directly to a consumer's doorstep. For fast-moving pallet picking, our industry-leading vehicle-mounted computers eliminate the root causes of inefficiency with large screens, powerful processors, and numerous industry-first innovations devised specifically for the DC. Likewise, for rapid case picking and/or piece picking, Our technologies seamlessly incorporate Vocollect Voice solutions, which is proven to dramatically improve productivity with unbeatable hands-free, eyes-free speed and accuracy.

### Putaway & Replenishment

A warehouse pallet's initial location influences all the processes that follow. A Warehouse Management System's (WMS) algorithms for putaway and replenishment can only ensure location accuracy if the operator has the tools to accurately confirm the transaction by rapidly scanning a location label or speaking a check digit for the rack or floor location. AB&R® and Honeywell technology is specifically designed to drive speed and accuracy in this process with features such as aggressive scanning performance at virtually any DC distance and fully mappable device keypads. Even when a transaction requires an operator to change forklifts, Honeywell vehicle-mount computers can be hot-swapped alongside the worker, ensuring that every second counts. Likewise, Vocollect Bluestreak® and SoundSense™ technologies accelerate performance with unmatched speech-recognition accuracy in noisy environments.



A 3D perspective rendering of a distribution center. On the left, there are several rows of tall metal shelving units filled with yellow boxes. A worker in a red safety vest is standing near one of the shelves. In the center, a yellow forklift is moving a pallet of brown cardboard boxes. Another worker is standing near a stack of boxes. On the right, a white semi-truck is parked, and a large grey arrow points from the truck towards the left, indicating the flow of goods. A black metal barrier is positioned near the truck. The floor is a light grey color.

## Inventory Control

Inventory-control practices throughout the distribution center are vital to the accuracy of overall inventory, which is monitored closely by auditors. By using mobile computers and/or Vocollect Voice solutions to access inventory systems and perform counts, workers can conduct inventory in real-time, eliminating the notoriously costly efforts and errors of periodic manual counts that are conducted via time-consuming paper and data-entry processes.


## Packing & Shipping .....

Packing stations and pallet-build areas require speed and precision to complete and ship orders. Desk space must be optimized, and scanning technology must be responsive, accurate, and ergonomic so that workers see these tools as essential, and not a hindrance to the process. Thanks to many years of experience in DC deployments, Honeywell scanning solutions for the DC are proven to meet and exceed all these requirements, driving superb user acceptance and performance. Furthermore, Vocollect Voice solutions enable workers to operate both hands-free and eyes-free, ensuring that associated tasks such as relabeling, repacking, and taping are completed more quickly and intuitively than with any other technology option.












## Honeywell Distribution Center Solutions

Ever-increasing pressure to contain costs and meet evolving customer expectations requires DCs to adapt with greater accuracy and productivity. AB&R® and Honeywell helps you overcome these challenges with innovative products, software and services, which we develop based on direct customer feedback to deliver unbeatable user preference and bottom-line results.

	Mobile Computers				Vocollect Voice® Solutions			
	CK3X 	CK71 	Tecton 	CK3R 	A730 	A720 	A710 	SRX2 Headset 
Receiving	•	•	•	•	•	•	•	•
Putaway & Replenishment	•	•	•	•	•	•	•	•
Picking	•	•	•	•	•	•	•	•
Packing & Shipping	•	•	•	•	•	•	•	•
Inventory Control	•	•	•	•	•	•	•	•

	Handheld RFID Readers			Vehicle Mount Solutions			
	70 Series RFID 	IP30 	IP2L 	Thor VM1 	CV41 	Thor VM2 	CV61 
Receiving	•	•	•				
Putaway & Replenishment				•	•	•	•
Picking	•	•	•	•	•	•	•
Packing & Shipping	•	•	•	•	•	•	•
Inventory Control	•	•	•	•	•	•	•

	Light Industrial Scanners				Heavy-Duty Industrial Scanners			Mobile or Wearable Scanners	
	Hyperion 1300g 	3820 	Xenon 190X 	SR31T 	38X0i 	SR61 	Granit 	SF61B 	BTRS 86xx 
Receiving							•	•	•
Putaway & Replenishment					•	•	•	•	•
Picking							•	•	•
Packing & Shipping	•	•	•	•				•	•
Inventory Control									

	Desktop Printers		Industrial Printers					Mobile Printers			
	PC43d 	PC43t 	PD41/42 	PM23c 	PM43c 	PM43 	PX4i 	PX6i 	PB22 	PB32 	PB50 
Receiving	•	•	•	•	•	•	•	•			•
Putaway & Replenishment											•
Picking									•	•	•
Packing & Shipping	•	•	•		•	•	•	•			
Inventory Control	•	•	•		•	•					•



## Only Honeywell.

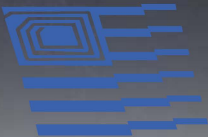
AB&R® and Honeywell partner together to offer a complete portfolio of integrated workflow solutions to deliver what your DC needs: Results.

Contact us today to find out what your business can achieve with AB&R® and Honeywell:

Call 800.281.3056 or visit [www.abr.com](http://www.abr.com)



**Honeywell**



**AB&R®**

Identify. track. manage.

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