

FROM HOUSEWARES TO HIGH EFFICIENCY: A JOURNEY TO WAREHOUSE EXCELLENCE

How one manufacturer organizes operations modern-tech style

Spectrum Diversified Designs, LLC (Spectrum) has been a leading design and manufacturing firm in the housewares industry for nearly 40 years. Spectrum operates out of a 400,000 square-foot warehouse in Solon, OH, and designs all their goods in the USA. They take great pride in crafting products that meet the needs of their customers and have built an impressive portfolio of over 400 patents for many of their unique, trendy, and functional items for the home.

Matt Pagni, Director of Business Systems at Spectrum, explains, “Before my tenure here, the warehouse struggled with systems that couldn’t keep up with growing demands. We needed a solution that would modernize our operations and improve efficiency.”

A PLACE FOR EVERYTHING AND EVERYTHING IN ITS PLACE

With their warehouse processing hundreds of orders per day for major retail outlets, they needed a more adaptable, user-friendly solution to manage their diverse product range with precision. That’s why they decided to transition from Dynamics NAV, an on-premise solution, to Microsoft Dynamics 365 Business Central, an ERP solution hosted in the cloud. They chose a cloud-based solution for the security and flexibility to enhance their infrastructure, and to control administration and maintenance costs.

This migration to newer tech included Lanham Associates’ E-Ship and ACE Warehousing software, creating a comprehensive, wireless warehouse solution with data validation and processing. It also included arming their warehouse employees with handheld barcode scanning devices for picking, packing and shipping applications. “Automating our processes, including the use of Honeywell handheld computers for our workforce, was essential to supporting our evolving needs,” said Pagni.

GETTING ORGANIZED

With plans to consolidate three existing locations into one centralized facility in Ohio, it seemed like the right time to streamline processes and make technology improvements that would optimize efficiency. This included updating aging servers and automating some of their warehouse processes to improve KPI’s and enable a better customer experience. They started with tasks that would bring greater inventory accuracy and enable faster order processing with fewer errors. This included:



Cycle Counting



Picking/Packing



Receiving/Putaway



Track & Trace

HONEYWELL CK65 MOBILE COMPUTERS: A PERFECT FIT

Barcom recommended Honeywell's CK65 Mobile Computers, equipped with near-far range capabilities, for their warehouse applications. These devices, integrated with Velocity TE for Lanham ACE Warehousing, significantly improved their picking and packing processes. The large, easy-to-read screens and customizable interfaces provided users with a richer experience, enhancing flexibility and throughput. "The devices are reliable, user-friendly, and have significantly improved our efficiency and accuracy," said Pagni. Tasks like bin counts, and general picking of bulk products for larger customers have been simplified with use of the mobile computers.

"Honeywell's CK65 Mobile Computers have revolutionized our warehouse operations," said Matt Pagni, Director of Business Systems. "Wave picking for everyday sellers with the CK65 has significantly improved fulfillment speed and accuracy, allowing us to handle large volumes of orders more efficiently."



HOME SWEET HOME

Since implementing the Honeywell CK65 Mobile Computers, Spectrum has seen remarkable improvements in their warehouse operations. Before migrating to this new system, shipments could be delayed, sent to the wrong location, or mislabeled, which negatively impacted their margins. The combination of the right processing software and purpose-built hardware helped make improvements in a big way.

"The upgrade from NAV to BC and the adoption of the Honeywell devices have transformed our processes," Pagni explains. "We're now achieving greater accuracy and productivity, resulting in higher customer satisfaction."



Are you ready to get started?





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TECH TIDY-UP: SEAMLESS DEVICE CONTROL

Mobile device management (MDM) is another solution Spectrum implemented as part of their technology upgrade. Barcom suggested streamlining the management, maintenance and updates of the mobile computing devices by integrating SOTI MobiControl into their system for MDM. This allowed Spectrum to update and control their devices seamlessly. "SOTI has been a game-changer for us, enabling us to manage our devices efficiently and ensure they are always up to date," Pagni notes.

MAKING ROOM AT THE TABLE FOR PARTNERSHIP

The partnership between Spectrum Diversified Designs and Barcom, along with the implementation of Honeywell CK65 Mobile Computers, has led to a significant transformation in Spectrum's warehouse operations. Modernization efforts have resulted in:

-  Increased Efficiency
-  Streamlined Workflows
-  Improved Order Accuracy
-  Greater Customer Satisfaction

"Barcom has been an invaluable partner," says Pagni. "Their team has been responsive and supportive, helping us navigate the challenges and maximize the benefits of our new solution. Their expertise and support have been instrumental in our success. We look forward to continuing our partnership."

For more information about Spectrum and its line of storage and organization solutions, please visit spectrumdiversified.com

