



Success Story | Nonin Medical



Nonin Medical Improves Productivity With DSI® ScanWorkX®

Nonin Medical, inventor of finger pulse oximetry, develops and distributes noninvasive medical monitoring solutions. As a global leader in noninvasive medical devices, Nonin Medical must fully comply with strict regulatory requirements in manufacturing. That means Nonin must have complete inventory visibility and traceability across the supply chain.

To support their growing enterprise and maintain the highest level of customer service and regulatory compliance, Nonin Medical selected Microsoft Dynamics AX 2012 to replace Exact MAX (MRP) and Dynamics GP.

The Challenge

As a make-to-order manufacturer, Nonin sought to improve production operations by implementing lean inventory processes with Microsoft Dynamics AX. A complete solution would have to automate data collection to deliver improvements in production, distribution and overall customer service levels.

Given the complexity and volume of orders processed and shipped, Nonin elected to implement AX 2012 R3 Advanced Warehouse Module—WHS. A perceived benefit was the built-in barcode scanning. However, after installing the software system and customizing it to fit Nonin’s business processes, the company discovered an opportunity for improvement. Nonin wanted to speed up the response times of data collection transactions to further optimize warehouse efficiency.

“WHS has some really attractive features. We wanted to further leverage those capabilities with a next-level mobile data collection solution to add flexibility to our business, especially in distribution,” said Ben Newberg, Warehouse Manager at Nonin Medical.

The Solution

Nonin conducted a comprehensive search for and evaluation of certified third party solutions. Only DSI ScanWorkX worked seamlessly with WHS.

To get the most out of its WHS investment, Nonin sought a mobile data collection solution with proven Microsoft Dynamics AX 2012 compatibility. “DSI

Highlights

- Certified integration to Microsoft Dynamics AX 2012
- Improved inventory visibility and accuracy
- Enhanced performance of WHS investment

“With DSI ScanWorkX, we found a solution that allows us to leverage the strength of advanced warehouse management in AX.”

— RICK TRASK, DIRECTOR OF IT, NONIN



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ScanWorkX's certified integration with Microsoft Dynamics AX and the team's in-depth knowledge of the software were crucial factors in our decision," said Rick Trask, Nonin Medical's Director of Information Technology. "The pre-built integration, quick deployment times, ease of use and configurability also stood out in our evaluation."

Nonin implemented DSI® ScanWorkX® to automate warehouse processes through 15 transactions executed on mobile devices. ScanWorkX extends and enhances WHS performance with asynchronous processing that ensures crisp system response times for each transaction. Below are some of the ways Nonin is now able to improve productivity, speed and accuracy on the shop floor:

- Input serial number ranges instantly (previously took minutes)
- Configure label printers from anywhere
- Automatically end production orders
- "Unpick" from the mobile device

The Results

The DSI ScanWorkX architecture brings added flexibility to Nonin's WHS transactions by offering a hybrid approach. Standard DSI ScanWorkX transactions work within WHS without requiring time consuming customizations. With the DSI solution in place, mobile data collection response times have gone from minutes to less than a second.

Additionally, because ScanWorkX streamlines data entry, Nonin employees are able to get more done, faster. Overall, Nonin has reduced the labor cost of performing physical inventories while improving inventory visibility and accuracy.

"We've been able to keep workers moving with the added functionality and speed mobile data collection brings to our warehouse operations," Trask said. "With DSI ScanWorkX, we found a solution that allows us to leverage the strength of advanced warehouse management in AX."

Challenges

- Data collection response times took upwards of 10 minutes
- Prior barcoding solution was complex and limited in capabilities
- Regulatory compliance for medical device manufacturers

Results

- Reduced response times from minutes to < 1 sec
- Increased speed and accuracy of data capture
- Reduced shipping errors
- Reduced labor costs to perform physical inventory



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