

NEWSLETTER

MODEX 2024: NAVIGATING THE FUTURE OF SUPPLY CHAIN

MODEX 2024, a four-day material handling, logistics, and supply chain show and conference held from March 11–14, 2024, in Atlanta, Georgia, was a remarkable gathering that **DATASCOPE** was honored to attend. With five keynotes, 150 educational sessions, and over 1,000 leading solution providers, MODEX 2024 aimed to address the dynamic needs of an industry witnessing accelerated change.

The event showcased a comprehensive exploration of supply chain operations, from traditional equipment to cutting-edge technologies like automation and robotics. Its sheer scale, spanning the majority of America's fourth-largest convention center, underscored the industry's rapid advancements in automation.

Exhibitors demonstrated a plethora of solutions aimed at streamlining processes and enhancing efficiency, including autonomous mobile robots (AMRs), automated storage and retrieval systems (AS/RS), and robotic container de-stuffers and trailer loaders. Live demonstrations offered attendees a firsthand look at these innovations.

The first theater presentation we attended was by **Zebra** – a well-known manufacturer of printers and RF scanners, among other things. They did a survey to capture



industry sentiment around topics like automation, technology, and industry challenges.

The survey findings shed light on crucial industry sentiments, highlighting the growing emphasis on increasing deployment speed in 2024. This aligns with our experiences, as we've seen a surge in prospects lined up for the year ahead. Additionally, the importance of technology in attracting and retaining workers was underscored, emphasizing the need for user-friendly solutions like our mobile Android app.

Yard Management Solutions offered promising strategies for optimizing yard management processes. These strategies address challenges such as reducing search times, the time it takes to find items in the yard, and improving communication with drivers. They claim their software can reduce the time it takes to find items in the yard by 40 minutes per trailer.

One standout company was **Six-15 Technologies**, which showcased an innovative **heads-up display and glove** combination with the potential to revolutionize picking processes. With a focus on efficiency and ease of use, this technology presents an exciting opportunity for integration with **DATASCOPE WMS**.

Integration, however, emerged as a recurring theme in discussions with vendors, with many expressing willingness to integrate via API. This offers larger clients tailored solutions, such as integrating AS/RS systems like Savanna, as Ken's Foods, Inc demonstrated.

However, amidst the excitement, a critical question lingered: How well do these solutions translate into real-world production environments? This concern echoed throughout the event, prompting further exploration and discussions.

We look forward to leveraging these insights and technologies to drive success for **DATASCOPE WMS**.



UNLEASHING THE POTENTIAL OF PREDICTIVE PICKING

In today's rapidly evolving landscape of warehouse operations, maximizing efficiency and accuracy is paramount to staying competitive. Embracing the power of **predictive picking** represents a groundbreaking approach with immense potential for revolutionizing traditional warehouse practices. By harnessing **predictive analytics capabilities** within warehouse management systems, warehouse managers can optimize their operations like never before. Predictive picking integrates seamlessly with warehouse automation, enabling proactive decision-making based on data-driven insights rather than reactive responses to demand fluctuations. This innovative approach empowers warehouse managers to anticipate order volumes, optimize picking routes, and allocate resources efficiently, ultimately driving unparalleled warehouse efficiency and customer satisfaction.

What exactly is Predictive Picking?

Predictive picking in a warehouse is a cutting-edge approach that leverages advanced analytics and technology to forecast future demand and optimize order fulfillment processes. By **analyzing historical data**, market trends, and other relevant factors, predictive picking systems can anticipate the expected quantity and types of orders, allowing warehouse managers to plan and allocate resources proactively. This includes optimizing picking routes, prioritizing orders, and adjusting inventory levels to meet anticipated demand accurately. By predicting future requirements with precision, predictive picking helps warehouses streamline operations, reduce costs, minimize errors, and enhance overall efficiency, ultimately improving customer satisfaction and driving competitive advantage in modern logistics.

The Benefits of Implementing Predictive Picking Systems in Your Warehouse

The advantages of predictive picking extend far beyond mere operational efficiency, encompassing every aspect of warehouse optimization. One of the key areas where predictive picking shines is in **inventory management**.



By analyzing historical data and market trends, predictive analytics algorithms can accurately forecast future demand, allowing warehouse managers to adjust inventory levels accordingly. This proactive approach minimizes stockouts and overstock situations, optimizing inventory turnover and preserving valuable warehouse space. Predictive picking significantly enhances order fulfillment speed by optimizing picking routes and reducing unnecessary travel time. With streamlined operations and improved resource allocation, warehouses can fulfill orders faster than ever, meeting customer expectations for timely delivery. Moreover, integrating predictive analytics into warehouse operations substantially reduces errors throughout picking. By identifying potential issues before they arise and implementing preventive measures, warehouse managers can minimize picking errors and ensure order accuracy, enhancing customer satisfaction and loyalty.

How Predictive Picking Technology is Transforming the Future of Warehousing

Predictive picking solutions represent a pivotal advancement in the evolution of warehousing, poised to transform the industry's future in profound ways. With the integration of AI in logistics, **predictive picking technologies** have the potential to propel warehouses into the era of smart warehouses. These warehouses operate on real-time data and predictive analytics, enabling proactive decision-making and seamless automation across all facets of operations. One such transformative technology is the **Automated Order Picking System (AOPS)**.

LEADING SYSPRO COMPANIES RUN DATASCOPE® WMS. DO YOU?

AOPS leverages predictive algorithms to anticipate order volumes and dynamically adjust picking routes and priorities in real-time. By orchestrating the movement of goods with unparalleled precision, AOPS maximizes efficiency while minimizing labor requirements, ushering in a new era of streamlined and adaptive warehouse operations. With predictive picking solutions like AOPS leading the charge, the future of warehousing promises unprecedented efficiency, accuracy, and agility, setting the stage for continued innovation and growth in the logistics industry.

Key Considerations When Choosing a Predictive Picking System for Your Warehouse

When selecting a predictive picking system, several key considerations should guide the decision-making process to ensure optimal outcomes in warehouse operations.

- Evaluate the predictive analytics software's capabilities thoroughly.

- Compatibility with existing warehouse optimization tools and systems is crucial for seamless integration.
- Scalability of the predictive picking technology
- The user interface and ease of use are essential factors.

By leveraging advanced predictive picking technologies, warehouses can revolutionize their operations, achieving unparalleled optimization and customer satisfaction. With predictive analytics and automation, warehouse managers can anticipate demand, optimize picking routes, and minimize errors, driving productivity and profitability to new heights. As the logistics industry continues to evolve, embracing predictive picking is not just a choice but a necessity for staying ahead of the curve and thriving in modern warehousing's dynamic landscape.

Unlock predictive picking's potential and embark on a journey towards a smarter, more efficient warehouse future today!

DATASCOPE PREMIUM WMS ACCREDITATION COURSE PROGRESS

One of our key service areas is providing the best knowledge and training to our DSPs and customers. We launched **FASTTRACK WMS**, our mid-tier WMS solution for SYSPRO customers, early last year and introduced our new **DATASCOPE University** and **FASTTRACK WMS Accreditation course**. We encourage anyone with SYSPRO consulting experience to enroll and complete the course. We proudly confirm that all our DSPs (DATASCOPE Solution Providers) and internal staff have achieved this accreditation, underscoring our commitment to excellence.

We are working hard on phase 2 of the DSU rollout, which entails the development of the **DATASCOPE PREMIUM WMS Accreditation course**. This course will focus on the complete **DATASCOPE PREMIUM WMS** solution with courses on the best Project Methodology for implementing large-scale WMS projects, insights into our DSP Model, and guidance on optimizing your A-Class Warehouse. It also includes various software functionality-focused modules that provide in-depth knowledge of advanced features within our premium software suite. Among the advanced modules featured in the course are E.Net Business Objects, Plugins, VBScripting, Task Management, Load Planning, and Quality Controls, to mention a few. These advanced modules are designed



to equip participants with the skills and knowledge needed to navigate and harness the full potential of our premium WMS solution.

While the course is currently only accessible to our DSPs, the official launch date is later this year. We eagerly anticipate welcoming participants to embark on this educational journey, where they will acquire the expertise necessary to excel in warehouse management.

24R1 ENHANCEMENTS FOR DATASCOPE WMS PREMIUM

DATASCOPE announces the new release R1 of 2024 for the **DATASCOPE PREMIUM WMS** software suite. This version focuses heavily on Customer Enhancement Requests that will improve the software's functionality with new features. We have also focused on our base-line and roundoff testing within the product to improve its stability. The 24R1 release has 11 new Feature Requests and over 81 Minor Updates and Improvements.

Here are a few highlights from the 24R1 WMS Release:

- A new online F1 Help Interface was built into all screens in the HTML5 application. This will allow the user to access the user guides within the application.
- 24R1 comes with a Crystal Runtime Upgrade to the most stable version (SP35) of the CR runtime engine for the .NET framework. The System Manager will auto-install this upgrade.



- A new **DATASCOPE WMS** Plugin for the core printing process.
- Sales Order Release and Wave Release have new UOM columns for Stocking and Order UOM.
- Stock Taking & Cycle Count has additional checks for lot expiration date.
- Improvements made to Cycle Count Scheduler Advanced.
- Pack Station Checkout grid will focus on the next line to be weighed.
- Put Away Consolidate has a new checkbox feature to retain the TrackID after a post.
- Changes to SORTRR process in response to SYSPROs BO change in 2023 Hotfix.
- Lot And Expiry Control Report allows updating expiry date.

STAFF ANNOUNCEMENTS

I am thrilled to introduce our newest team member, Serendon Naicker, who joins us as a Senior Automation Test Engineer. He brings a wealth of experience and expertise to our team, and I am confident that he will significantly contribute to our team, the software, and our product's overall trajectory.



The significance of automated testing: Automation testing plays a crucial role in modern software development by accelerating software development cycles, particularly with adopting Agile and DevOps methodologies. It enables teams to validate code modifications quickly, operate within tight timeframes, and ensure continuous integration and deployment. Automation testing offers several advantages over traditional manual testing methods:

- **Speed and Efficiency:** Automated tests can be executed much faster than manual tests, providing quick feedback to developers.

- **Repeatability:** Automated tests ensure consistent execution without the variability associated with human testers.
- **Regression Testing:** Automation excels at repetitive regression testing, ensuring that new code changes do not reintroduce previously fixed bugs.
- **Continuous Integration/Continuous Delivery (CI/CD):** Automation seamlessly integrates with CI/CD pipelines, enabling frequent and automated testing as part of the development workflow.

In conclusion, automation testing is a cornerstone of modern software development practices. It enhances the testing process's speed, reliability, and efficiency, ultimately leading to higher software quality and faster time-to-market. While challenges exist, organizations like **DATASCOPE** that embrace automation testing stand to benefit significantly from improved software quality and streamlined development processes. We can't wait to show you the difference it makes to our product set. Welcome again, Serendon; we wish you well in your career with **DATASCOPE**.