

A BUSY YEAR FOR WSA USA!

MATERIALS HANDLING SOLUTIONS PROVIDER CONTINUES TO SHOWCASE ITS DIVERSE RANGE OF AUTOMATION AND HANDLING SYSTEMS WITH CUSTOMERS THROUGHOUT NORTH AMERICA AND BEYOND.

The last 12 months have been busy for the team at WSA-USA LLC, with several high-profile installations of materials handling systems and high rack storage units at privately owned and integrated companies across North America.

“We are extremely proud to have partnered with one leading group for the design and installation of our WSA automated material handling system for a new greenfield plant in the southern US. Our partnership with the group extends many years and this was

the third consecutive greenfield site we built with them after successful projects for them in 2018 and then again in 2020,” states Jim McLaughlin, President, WSA-USA. “It’s a very special partnership for us and this was a very special project which started in early 2022 with a blank canvas. Our teams once again worked very closely together to craft the final layout and formulate the installation plans for this new site.”

The latest project was designed as a hybrid plant both as a high-performance sheet feeder with the latest generation Fosber 110” triplewall corrugator with triple stacker as well as a large format





box producer with a BGM 25.55 Caseline jumbo printer folder gluer with inline stitching capabilities.

“We combined design elements from high performance sheet feeders and large format converting plants to create a layout that optimized automation, WIP storage capacities, performance and efficiencies into one for this particular customer,” adds McLaughlin.

The sheet feeder portion incorporated automatic load building, bottom dunnage insertion, accumulation and traffic controls from the Fosber triple stackers, dual tandem unitizer lines from Mosca and a finished goods area into one. The converting section features an automated WIP Storage system, automatic transfer car, dual bottom dunnage insertion area on the converting discharge and a finished goods line also with a Mosca unitizer.

The entire WSA material handling system at this latest installation operates under the

iFAS Automatic Order Tracking and Conveyor Control System from corrugator to shipping. Orders are tracked throughout the system in real time without load tags, all conveyor decisions and functions are fully automated, and the system is closely interfaced with all the plants ERP system along with other OEM equipment from corrugator, converting machine, unitizers and more to provide the plant with the highest level of automation currently possible in our industry.

“This was a very collaborative effort by our design, manufacturing,

installation, controls and project management teams along with the customer’s team in what has been a really successful startup,” adds McLaughlin.

What sets WSA-USA apart is their full-service approach from designing their customers solution to fit their needs, through implementation by their experienced team members. They take a concept and idea through a design process to produce optimized layouts that can be simulated to show future production performance.





Using state-of-the-art technologies and controls solutions, their systems enable their customers to achieve improvements in productivity and efficiencies across their production systems to enable cost efficiencies and waste reduction targets. WSA-USA also provides complete lifecycle support for their customers from post installation service and parts support for to ensure optimal performance from startup through many years of equipment utilization.

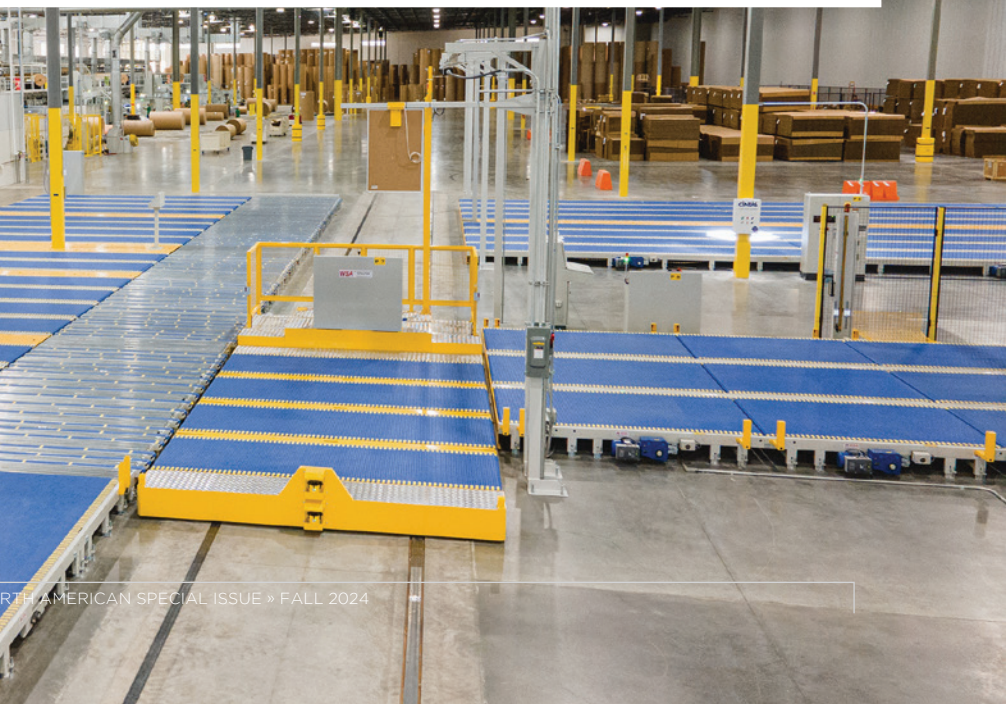
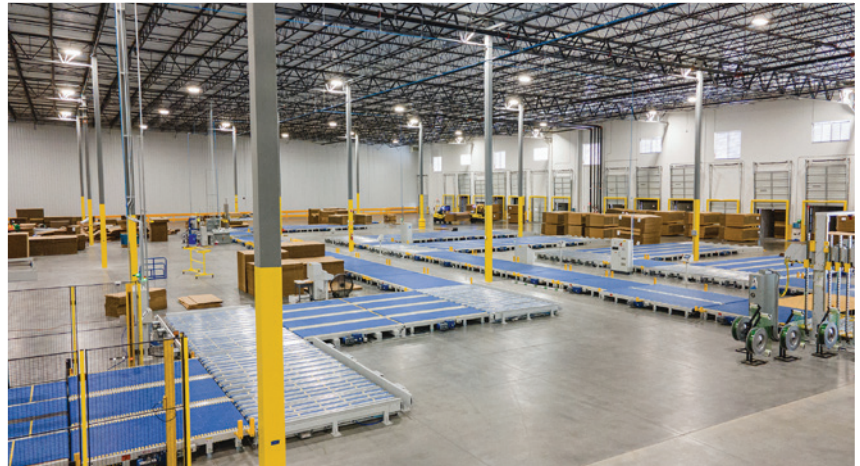
“We are prepared with our experienced team to partner with our customers, not just for a new project and installation but for the long run. Our customers are investing in capital investments to

support their business, we are here to ensure they have what they need for many years to come,” says Kim Harper-Gage, COO, WSA USA.

Some of the other major new WSA projects included sites in the US Midwest, East Coast, New Mexico and Canada to name a few.

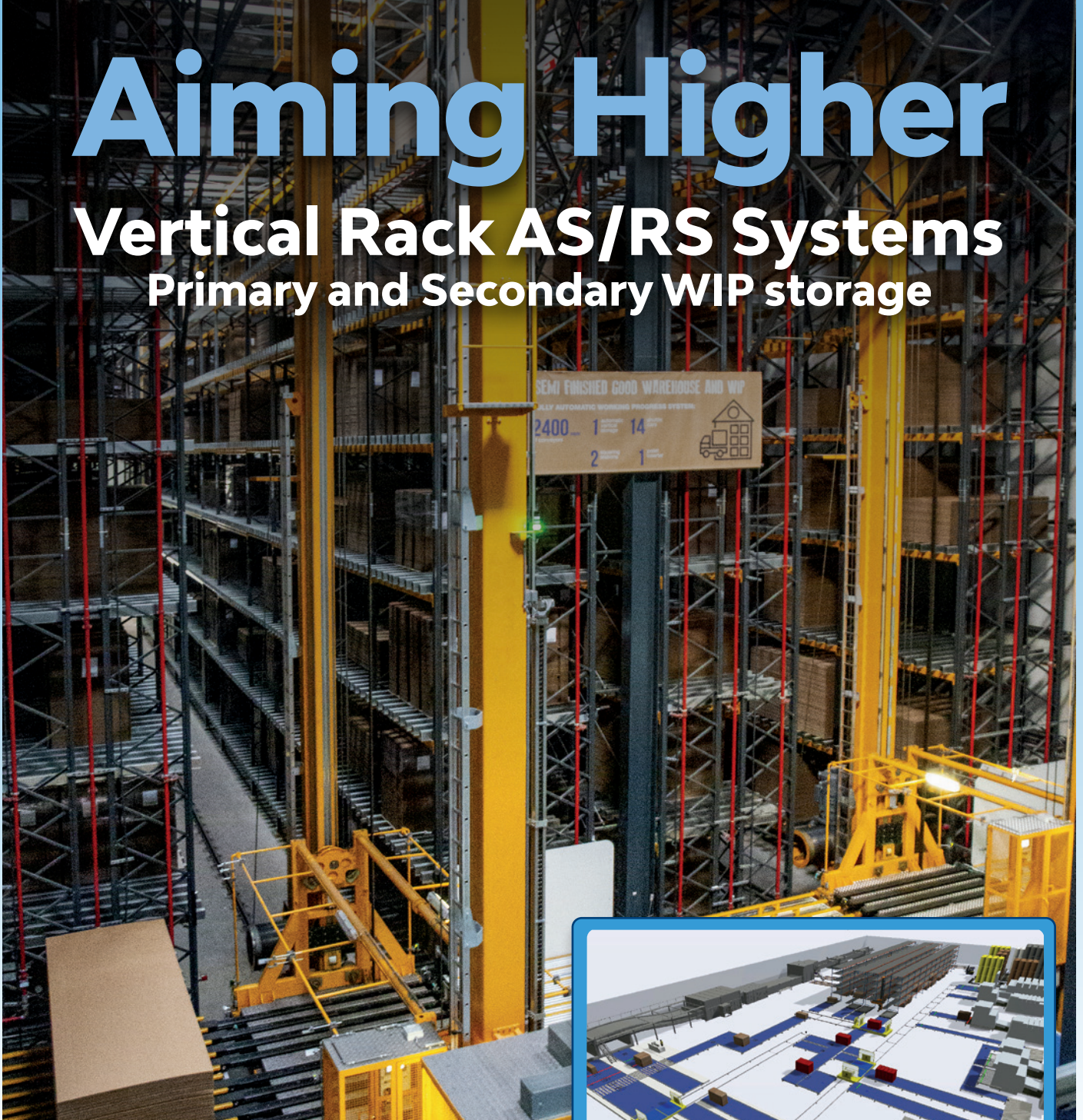
“With SuperCorrExpo right around the corner, please do make sure you stop by to visit with us,” concludes McLaughlin. “We will have plenty of information and case studies on recent installations, so be sure to come to booth 2341 to meet up with us.”

www.wsa-usa.com



Aiming Higher

Vertical Rack AS/RS Systems Primary and Secondary WIP storage



The **WSA-USA & Warak AS/RS Vertical Storage System** is a fully automated corrugated WIP handling system designed to maximize storage capacity and plant efficiency while reducing the overall footprint. The system load builds off the corrugator in two directions for optimum cell utilization and multiple orders can be stored and retrieved in any given cell. Corrugator performance is also improved as orders no longer must be processed in FIFO mode. It is also designed to minimize energy requirements with far fewer motors, drives and moving parts which results in a very low cost of ownership compared to a traditional WIP conveyor system. The system is fully automated which tracks every load and shows its location and movements in real-time.

The Vertical Rack AS/RS System can be used for both Primary WIP storage and Secondary WIP storage for orders requiring reprocessing on another machine which adds tremendous added functionality to the system. WSA-USA & Warak also offer Vertical Rack AS/RS systems for Finished Goods products and Roll Stock.



To help you evaluate and test the proposed solution, we create a customized simulation (2D and 3D modules) based on your real-time production data.



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