

VERTICAL STORAGE SYSTEM FROM WSA USA

IS A TOTALLY RELIABLE AND PROVEN SOLUTION

The WSA-USA & Warak Vertical Storage System is a groundbreaking solution for corrugated Work in Progress (WIP) handling, designed to enhance storage capacity and plant efficiency while minimizing the overall footprint.

This fully automated system builds loads off the corrugator in two directions, optimizing cell utilization and allowing multiple orders to be stored and retrieved from any given cell. This flexibility means that orders no longer need to be processed in FIFO (First In, First Out) mode, significantly improving corrugator performance.

One of the standout features of the WSA-USA & Warak Vertical Storage System is its energy efficiency. The system is engineered with fewer motors, drives, and moving parts,

which not only reduces energy consumption but also results in a lower cost of ownership compared to traditional WIP conveyor systems. This design choice reflects a commitment to sustainability and cost-effectiveness, making it an attractive option for modern manufacturing facilities.

The automation capabilities of the system are another key advantage. Every load is tracked in real-time, with its location and movements continuously monitored. This level of automation ensures that the system operates smoothly and efficiently, reducing the need for manual intervention and minimizing the risk of errors.

The Vertical Rack AS/RS System is versatile, serving both Primary WIP storage and

Secondary WIP storage for orders that require reprocessing on another machine. This added functionality enhances the system's utility, making it a comprehensive solution for various storage needs. Additionally, WSA-USA & Warak offer Vertical Rack AS/RS systems for Finished Goods products and Roll Stock, further expanding the range of applications for this innovative technology.

Cost Savings

Implementing the WSA-USA & Warak AS/RS Vertical Storage System can lead to significant cost savings for manufacturing operations. The reduction in energy consumption due to fewer motors, drives, and moving parts translates directly into lower energy bills. Additionally, the system's low maintenance requirements and reduced need for manual labor contribute to further cost reductions. The real-time tracking and automation capabilities minimize the risk of errors and inefficiencies, ensuring that resources are used optimally. Over time, these savings can add up, making the WSA-USA & Warak AS/RS Vertical Storage System a cost-effective investment for any facility.

www.wsa-usa.com



READY TO REVOLUTIONIZE

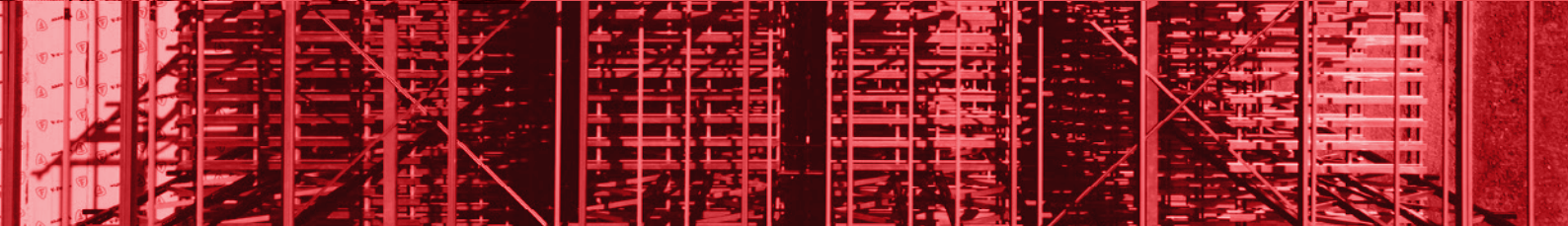
YOUR MATERIAL HANDLING
& AUTOMATION PROCESS?

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solutions for your
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SUCCESS AT ACME CORRUGATED BOX WITH VERTICAL WIP

CUSTOMERS HAVE PRAISED THE WSA-USA & WARAK AS/RS VERTICAL STORAGE SYSTEM FOR ITS EFFICIENCY AND RELIABILITY.

Jeremy Cohen, Vice President and General Manager for ACME Corrugated Box in Hatboro PA, shared his positive experience, stating, “The WSA/Warak Vertical WIP system has allowed us to utilize building

space much more efficiently than conventional means. When we planned our building expansion in 2018, we knew that horizontal space was not available to accommodate our envisioned growth. For a few years, WSA USA

President Jim McLaughlin and I had discussed the possibility of ‘going up’ for WIP storage. After reviewing systems overseas, it was clear to me that vertical storage was the proper solution for our plant. Although the systems have a

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significant IT infrastructure in the background communicating with one another, from a machinery standpoint, what we like most about the system is that the rack itself has no moving parts. The only moving parts in the vertical storage area are the two stacker cranes that are relatively simple to maintain. The Korber WMS communicates with our ERP/ plant scheduling software, so when orders are needed at the converting machine centers, the communication and instructions are seamless. The rack has allowed us to eliminate 100% of forklifts from the WIP area and had reduced our controllable waste considerably since installation. These are wins with respect to safety, staffing challenges and reduced costs in operating the plant.”

In summary, the WSA-USA & Warak Vertical Storage System represents a significant advancement in automated storage solutions. Its ability to maximize storage capacity, improve plant efficiency, and reduce energy requirements makes it a valuable asset for any manufacturing operation. With its real-time tracking, versatile storage capabilities, cost-saving benefits, and positive customer testimonials, this system is poised to set new standards in the industry.

