



Automated Storage and Retrieval System Increases Storage Density 40%

Features and Benefits

40% increase in storage density from Multiple Deep AS/RS

30% reduction in energy costs

WMS manages all product movements resulting in less waste & product loss

Meeting increasing demand & higher throughput now and in the future

Industry Group: Automated Storage/Retrieval Systems (ASRS)



In a few short months, a marked improvement in safety has already been noticed due to significantly fewer forklifts being used for warehousing. An updated accurate full inventory can be obtained with a push of a button!

A leader in the private label bottled water industry has installed an Automated Storage and Retrieval System (AS/RS) and Warehouse Management System (WMS) for their Douglas, Georgia plant. They chose an AS/RS for its technological efficiency and cost benefits, after initially considering a pallet flow system.

The company bottles water for commercial, residential and retail clients in multiple sizes ranging from single servings to five gallon bottles. They bottle both public and private label brands.

To meet the demand for high throughput, the AS/RS includes two Storage/Retrieval Machines (S/RMs) operating in one aisle, each capable of handling two pallets at a time. Rack entry vehicles quickly and smoothly store and retrieve pallets from the racks. The four-level rack system holds over 6,500 pallet positions in 10 pallet deep storage lanes.

To handle the peak production and order selection times, Air Chain Accumulation Conveyors are at both the in-feed and discharge of the AS/RS. These low-energy use conveyors provide a buffer for smoothing peak operations, and cut the average S/RM travel distance, especially when compared to end of aisle in-feed systems.

The modular WMS accurately manages the inventory and FIFO (first in, first out) product shipments. It can be adapted to existing or new systems. It centers around a core of basic functions, which can be added onto as needed.



Westfalia Technologies, Inc.

3655 Sandhurst Drive

York, PA 17406-7927

717-764-1115

lworker@westfaliausa.com

www.westfaliausa.com