

North America Automated Storage and Retrieval System (ASRS) Market Forecast to 2030 - COVID-19 Impact and Regional Analysis by Type (Unit Load ASRS, Mini Load ASRS, Vertical Lift Module, Vertical Carousels, Horizontal Carousels, AutoStore, and Others) and End use Industry (Automotive, Food & Beverages, Electronic & Semiconductors, E-Commerce, Chemicals, Aerospace, Retail, Pharmaceuticals, and Others)

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Abstracts

The North America Automated Storage and Retrieval System (ASRS) market is expected to grow from US\$ 688.51 million in 2022 to US\$ 1,159.30 million by 2030. It is estimated to grow at a CAGR of 6.7% from 2022 to 2030.

Need for Efficient Supply Chain is Fueling North America Automated Storage and Retrieval System (ASRS) Market

Rapid digitization across the North America, along with a significantly high production rate, is pressurizing organizations to rely more on machines for enhanced productivity and accuracy. In this era of automation, these automated and programmed machinery play a vital role in reducing the associated cost and time and providing additional features of control, monitoring, and security.

A supply chain is one of the key sources of competitive advantage for companies that drives their businesses. Supply chain systems have gained importance in the last few years due to high competition in the product-based market. A strong supply chain

ensures a proper balance between the supply and demand of the product in the market. Thus, many industry verticals are engaged to build strong supply chain for customers. ASRS supports the operational flow of the supply chain at the initial stage. ASRS is applied in slow and medium-moving order fulfillment and inventory management applications, ensuring increased efficiency. Thus, the rising demand for efficient supply chain implementations is driving the need for ASRS.

North America Automated Storage and Retrieval System (ASRS) Market Overview

The US, Canada, and Mexico are among the key countries in North America, which is a hub of technological development. As a result, the continuously evolving manufacturing industry in the region remains the principal factor driving prosperity, jobs, and innovation. With the increasing popularity of IoT, companies in the US are finding ways to implement IoT with automated storage solutions, which would further result in time and cost savings for them. IoT-integrated automated storage solutions enable remote monitoring, timely report status generation, quicker recovery in case of any errors, and more efficiency in work. North America has a well-established and huge retail industry, with the vast presence of omnichannel suppliers. These suppliers are the largest consumers of material handling solutions such as ASR. A few of the retailers that have installed ASRS are Wegmans Food Markets, Inc.; Associated Food Stores; and The Stop & Shop Supermarket Company.

Having a strong hold on technologies, North America has a strong potential for the growth of the automated storage and retrieval systems (ASRS) market. Automotive, e-commerce, retail, pharmaceutical, and logistics industries generate high demand for ASRS in North America. Further, the rise in e-commerce activities contributes to a surge in the implementation of ASRS, which helps e-commerce companies to meet customers' demands on time. According to Digital Commerce 360, the US witnessed the highest ever Q4 e-commerce sales in the Q4 of 2022. The sales increased from US\$ 281.58 billion in Q4 2021 to US\$ 299.12 billion in Q4 2022, at a rate of 6.2%. Thus, rising e-commerce sales in North America indicate opportunities for the growth of the automated storage and retrieval systems (ASRS) market.

Westfalia Technologies, Inc. provides automated solutions with components such as storage/retrieval machine (S/RM), telescopic fork load extraction devices, warehouse management software and its control software, and triple rail support AS/RS rack structure. Various other vendors from North America, such as Bastian Solutions, Inc., Mecalux S.A, and SSI Shaefer Systems, are offering ASRS for the logistics, food & beverages, electronics, aerospace, automotive, and retail industries.

North America Automated Storage and Retrieval System (ASRS) Market Revenue and Forecast to 2030 (US\$ Million)

North America Automated Storage and Retrieval System (ASRS) Market Segmentation

The North America Automated Storage and Retrieval System (ASRS) market is segmented into type, end use industry, and country. Based on type, the market is categorized into unit load ASRS, mini load ASRS, vertical lift module, vertical carousels, horizontal carousels, autoStore, and others. The vertical lift module segment registered the largest market share in 2022.

Based on end use industry, the market is segmented into automotive, food & beverage, e-commerce, chemicals, aerospace, retail, pharmaceuticals, and others. The e-commerce held the largest market share in 2022.

Based on country, the market is segmented into the US, Canada, Mexico. The US dominated the market share in 2022.

SSI Schafer; Swisslog Holding AG; System Logistics SpA; Bastian Solutions LLC; Daifuku Co Ltd; Kardex Holding AG; KNAPP AG; Mecalux SA; Vanderlande Industries BV; and Autocrib Inc are the leading companies operating in the Automated Storage and Retrieval System (ASRS) in the region.

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