

## **Automated Storage and Retrieval Systems in Laboratories - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

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### **Report description:**

The Automated Storage and Retrieval Systems in Laboratories Market is expected to register a CAGR of 12.6% during the forecast period.

#### Key Highlights

- Technology is crucial to managing a warehouse efficiently. It requires analytics, tracking, and intelligent bin systems. It also helps with efficient hospital delivery and reduces long-term costs by avoiding overstocking supplies and reducing expired supplies. Various healthcare centers are collaborating with hospitals to consolidate the medical supply warehouses.
- Hospitals are now using these methods to create "patient-centric" automated storage and retrieval systems that reduce inventory while preserving accurate and timely medication administration. Given how successful this way of cost-cutting has been, it is anticipated that the use of AS/RS in hospitals will increase significantly during the study.
- Due to inadequate supply chain management, stocking, and supplying, the COVID-19 pandemic has also increased supply waste. It is observed \$935 billion of medical supplies are wasted annually. By automating the low-value and easily repeated inventory storage and retrieval task, AS/RS proves advantageous to the operations that utilize it. The conveyor buffering systems may be replaced or reduced by AS/RS, enabling a business to keep buffer products efficiently and retrieve them as needed.
- Even if deploying these automated storage systems is very beneficial, it poses some challenges. A huge cost is involved in installing and implementing automated storage and retrieval systems. AS/RS solutions may need to be more practical for companies needing a faster return on their investment. The large initial capital investment is often cost-prohibitive for smaller organizations.

Automated Storage And Retrieval Systems In Laboratories Market Trends

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## Increased Emphasis on Value of Development

- Businesses are under tremendous pressure to supply a large number of products in a short amount of time as a result of eCommerce sales. ASRS can automatically bring the product to the operator, eliminating picker travel time to retrieve items to fill orders. This way, warehouses, and distribution centers can maximize their available labor productivity.
- Storage systems are more adaptable than ever with the increase in SKUs thanks to increased software and machine control capabilities, and they can incorporate a variety of instruments like picking robotics.
- With technological advancement, ASRS provides inventory optimization by consolidating date codes and stage pre-picked orders, allowing the operator to run 24/7 without much-added support.
- Robotics has been widely adopted to facilitate automation in the lab. Renatus launched an automated robot warehouse system with 'One-Stop Pick & Pack' technology. Renatus enables a single worker to fulfill an order by picking, consolidating, and packing in one stop.

## Asia Pacific to Dominate Automated Storage and Retrieval Market

- In Asia-Pacific, most warehouses rely on human labor to move ordered products for delivery, even as human assistance brings along errors and chances of delay. Warehouse automation improved the operational efficiency of the online pharmaceutical industry of India and boosted its growth in e-commerce by facilitating the smooth drug delivery and manufacturing process.
- Online buyers in India are expected to reach 220 million by 2025. Due to the increasing demand for same-day delivery, e-commerce businesses must establish warehouses in several cities and go for the automated workflow to meet customers' requirements and needs in time.
- November 2022 - Addverb, the warehouse automation solutions, collaborate with Element Logic, a warehouse optimization provider Storage and retrieval, unit fulfillment systems, and creating and implementing custom solutions that improve clients' workflow are Element Logic's areas of expertise. The partnership will develop use cases around AutoStore projects.

## Automated Storage And Retrieval Systems In Laboratories Industry Overview

There is moderate competition in Automated Storage and Retrieval Systems in the Laboratories Market. Still, the service is expected to grow as vendors in this sector plan new product launches, partnerships, and acquisitions. The automation solutions provider design and integrate automated storage solutions across various industries and product handling needs. Some of the market leaders of this market are Thermo Fisher Scientific, Danaher Corp, Siemens Healthineers, and Roche Holding AG.

- August 2022 - Addverb Technologies, the warehouse automation solutions provider, launched an automated and highly dynamic shuttle system called Medius. The system is specifically designed for organizations wanting to expand their storage capacity or set up a scalable, flexible automation operation that can supply products quickly.
- July 2022 - At the 74th American Association for Clinical Chemistry Annual Scientific Conference and Clinical Laboratory Exposition (AACC 2022) held in Chicago, Thermofisher Scientific Inc. displayed its innovative clinical and research lab solutions. Clinical laboratories and researchers will benefit from more flexibility and certainty due to the new solution as they respond to new and ongoing diagnostic issues.
- October 2022 - Thermofisher Scientific Inc unveiled the Glacios 2 Cryo-Transmission Electron Microscope (Cryo-TEM). This powerful microscope has new automation and high-resolution imaging features intended to help cryo-electron microscopy

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(cryo-EM) researchers of various experience levels speed up structure-based drug discovery. Customers can quicken the pace of research for cancer and gene mutations and crippling conditions, including Alzheimer's, Parkinson's, and Huntington's illnesses.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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