

Why do you need an automated storage and retrieval system?

Consumers worldwide shop around the clock while expecting timely delivery. An automated storage and retrieval system can help you streamline your warehouse operations by retrieving ordered goods and holding them in buffer storage, when orders are waiting to be shipped.

What is a Mini-load automated storage and retrieval system?

You can use a mini-load automated storage and retrieval system to store and retrieve cartons, trays, or totes in small-space facilities with many stock keeping units (SKUs). They are also a great solution if you need to buffer and release products to picking and packing stations.

What is automated storage & retrieval?

An automated storage and retrieval system eliminates the need for physical movement and reduces the risk of human error. A shuttle, carousel or crane retrieves the goods you need and delivers them to an assigned workstation. In addition, ASRS can arrange the items based on size and weight and take the floor plan and shipping zones into account.

How many types of automated storage and retrieval systems are there?

There are nine main types of automated storage and retrieval systems that you can utilize within your warehouse: Unit-Load ASRS store and retrieve bulky and heavy loads, including pallets and cases. The weight they can handle ranges from 1,100 to 5,500 pounds (500 to 2,500 kg), while they have the ability to reach up to 100 feet.

What is robotic cube-based storage?

Robotic cube-based storage is an automated storage and retrieval system that utilizes a three-dimensional grid of cubes to store and retrieve items. Inventory is stored in bins that are stacked on top of each other inside a cube. Smart robots are then placed on top of the cubes to retrieve bins and transport them to a workstation.

Why do warehouse logistics companies use automated guided vehicles?

The AGVs transport goods with zero waste and zero errors, achieving a just-in-time workflow with significantly lower costs. AGVs also reduce damage, as they are more accurate than manual equipment when handling the load. Warehouse logistics companies trust Rocla Automated Guided Vehicles globally to optimise their flow and cut costs.

Automated warehouse solutions, like automated storage and retrieval systems and automated warehouse pickers, can eliminate manual tasks, such as transporting heavy inventory and manual picking. On the other hand, ...

Automated storage solution Equatorial Guinea

An ASRS based storage automation solution increases efficiency of Material Tracking, handling and overall throughput. Inventory is maintained on FIFO or on call basis and is managed ...

Where goods and merchandise need to be stored in a limited space, we recommend a custom-made high-bay storage system with fully automated stock storage and removal, from goods receipt to dispatch readiness.

An automated storage and retrieval systems (also known as ASRS or AS/RS) is a robot or computer-controlled technology that can retrieve or store inventory in defined warehouse locations. ASRS can help you save ...

Our Automated Solutions Transform your materials handling Boost productivity and accuracy, increase storage capacity, and enhance worker safetyDiscover our products; Modula WMS System A complete end-to-end WMS solution for your ...

Rocla Automated Guided Vehicles (AGV) solutions allow your storage facilities and logistics providers to cut costs, boost capacity, improve traceability and eliminate transport and product damage entirely.

